

# CONSENT MONITORING REPORT



Your Community Partner

Consent Name	Ngaruawahia Wastewater Treatment System
Consent	100972 and 119642
Year	1 July 2011 – 30 June 2012
File No.	55 06 26M / USV03
Date	25 September 2012

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**Area Offices**  
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## Ngaruawahia Wastewater Treatment Discharge 1 July 2011 – 30 June 2012

The Waikato District Council holds the above resource consents associated with the treatment and discharge of wastewater from the Ngaruawahia sewage treatment plant located on the outskirts of the settlement. The resource consents issued by Environment Waikato include the following:

- |        |  |
|--------|--|
| 100972 | Active prior to April 2012<br>To discharge up to 5000 cubic metres per day of treated wastewater from the plant after treatment subject to a number of conditions. |
| 119642 | Active after April 2012<br>To discharge up to 11200 cubic metres per day of treated wastewater from the plant after treatment subject to a number of conditions.   |

A renewal of the expired consent came into force on 13 April 2012. A subsequent request for a review of some of the conditions of the consent resulted in a slightly amended consent approved on 21 August 2012.

The Ngaruawahia wastewater treatment system generally showed some good performance, however difficulty continued in meeting some of the treatment discharge consent conditions, particularly cBOD5, suspended solids and *E.coli*.

Measurements indicate that the effluent quality would not meet the new standards required from 1 December 2012. Of particular concern are the same parameters noted above

Discharge quantity allowances were not exceeded on any occasion during the 2011-2012 consent reporting year.

Decommissioning of the wetland and gravel filter and construction of a rock lined channel will be completed this financial year.

The combined discharge quality of the Huntly and Ngaruawahia treatment plants will be significantly improved this year with the installation and commissioning of new treatment steps at both plants. At Ngaruawahia, an 'Actiflo' treatment system will be installed to remove most of the suspended solids material from the effluent. This process will also

significantly improve most other consent parameters. Ultraviolet disinfection will also be installed.

At Huntly ultraviolet disinfection will be installed.

### **Operational Comments**

#### *Main Stepping Screen:*

This works well and there have been no major problems.

#### *Aerators:*

The existing aerators provide good dissolved oxygen levels.

#### *Staff Maintenance Visits:*

A dedicated staff member visits the site at least twice a week.

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**P Seward**  
**TREATMENT PLANTS ENGINEER**

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**R Bax**  
**GENERAL MANAGER**  
**WATER & FACILITIES**