

100972 Ngaruawahia Wastewater Sewage Treatment Discharge | July 2010 – 30 June 2011

This consent authorises the Consent Holder to: discharge up to 5000 cubic metres per day of treated domestic wastewater from oxidation ponds and newly constructed wetland and gravel bed filter treatment system into the Waikato River, in the vicinity of the Waikato River and Old Taupiri Road, Ngaruawahia, at or about map reference S14:002-935

	Conditions	Comply Yes/No	Comments
1	The discharge shall be in general accordance with the application for this resource consent and the document entitled "Assessment of Environmental Effects – Ngaruawahia Oxidation Ponds" prepared by Beca Steven, dated April 1998, and as identified in the resource consent conditions below.	Yes	The discharge is in general accordance with the details submitted with the consent application.
2	The consent holder shall be responsible for all sub-contracted operations and must ensure sub-contractors are made aware of the relevant conditions of this resource consent and ensure compliance with those conditions.	Yes	It is normal procedure that any contracted organisations be advised of the relevant conditions of the resource consent if it is deemed their work may potentially negatively affect the capacity of the plant to meet conditions of the consent.
3	The treatment plant shall be managed and operated by an appropriately trained operator.	Yes	The treatment plant is managed and operated by appropriately trained and experienced engineers and operators.
4	The maximum discharge rate shall not exceed 5000 cubic metres per day.	Yes	Data supplied indicates compliance with this condition. Maximum recorded daily total out flow was 3756 m ³ /day in Jan 2011. The 90 th Percentile Maximum was 3646 m ³ /day The 90 th Percentile Average Daily flow was 2612 m ³ /day The Median maximum daily flow was 3033m ³ /day The Median Average daily flow was 1575 m ³ /day over the reporting period.
5	The consent holder shall provide easy access for the measurement of flow and quality of the discharge to the constructed wetland and from the constructed wetland.	Yes	Good access is provided to enable measurements and samples to be collected.
6	The consent holder shall ensure that the wetlands do not support populations of plant or animal pests (including insects) at levels that may cause nuisance or annoyance to neighbouring property owners.	Yes	Checks are made at least fortnightly of the treatment system and any potential problems noted. There have been no potential issues identified during the 2010-11 year relating to this condition. No concerns have been raised from adjacent property owners about plant or animal pests.

	Conditions	Comply Yes/No	Comments																																				
7	Any erosion control works that become necessary as a result of the exercise of this consent shall be undertaken as directed at the expense of the consent holder to the satisfaction of the Waikato Regional Council.	Yes	Minor erosion control works are undertaken as and when necessary.																																				
8	The wetland system shall be designed, operated and maintained to the satisfaction of the Waikato Regional Council. The design and operation shall be in accordance with accepted wastewater engineering practise and shall be capable of treating 5000 cubic metres of sewage per day during a one in five year storm event.	Yes	See the summary letter.																																				
9	The consent holder shall operate and maintain the two-stage oxidation pond to the satisfaction of the Waikato Regional Council (refer Note 1).	No	<p>The water quality discharge parameters are not being achieved and these are being addressed in the oxidation pond upgrade project. The civil works of the oxidation pond upgrade were largely complete by June 2009. Pond outlet ammonia has reduced to very low levels showing the new curtains are preventing short circuiting. Total nitrogen removal has improved by better than 40% as a consequence. Generally the trend is improvement. Further upgrades should result in continued improvement.</p> <table border="1"> <thead> <tr> <th>Pond Outlet</th> <th>2008-09 Median</th> <th>2009-10 Median</th> <th>2010-11 Median</th> </tr> </thead> <tbody> <tr> <td>cBOD5</td> <td>22.5</td> <td>21</td> <td>22</td> </tr> <tr> <td>SS</td> <td>81.5</td> <td>100</td> <td>73.5</td> </tr> <tr> <td>DRP</td> <td>4.65</td> <td>4.6</td> <td>4.1</td> </tr> <tr> <td>TP</td> <td>5.95</td> <td>5.9</td> <td>4.6</td> </tr> <tr> <td>Total Ammonia</td> <td>15</td> <td>0.088</td> <td>2.15</td> </tr> <tr> <td>TKN</td> <td>24</td> <td>13</td> <td>14.55</td> </tr> <tr> <td>Nitrate NO3-N</td> <td>0.099</td> <td>1.2</td> <td>0.57</td> </tr> <tr> <td>Faecal Coli</td> <td>34000</td> <td>18000</td> <td>12000</td> </tr> </tbody> </table>	Pond Outlet	2008-09 Median	2009-10 Median	2010-11 Median	cBOD5	22.5	21	22	SS	81.5	100	73.5	DRP	4.65	4.6	4.1	TP	5.95	5.9	4.6	Total Ammonia	15	0.088	2.15	TKN	24	13	14.55	Nitrate NO3-N	0.099	1.2	0.57	Faecal Coli	34000	18000	12000
Pond Outlet	2008-09 Median	2009-10 Median	2010-11 Median																																				
cBOD5	22.5	21	22																																				
SS	81.5	100	73.5																																				
DRP	4.65	4.6	4.1																																				
TP	5.95	5.9	4.6																																				
Total Ammonia	15	0.088	2.15																																				
TKN	24	13	14.55																																				
Nitrate NO3-N	0.099	1.2	0.57																																				
Faecal Coli	34000	18000	12000																																				
10	The consent holder shall implement landscape and screen planting as designed by Bernard Brown and as shown in the diagram entitled "Waikato District Council Ngaruawahia Waste Water Treatment Visual Analysis – Appendix 3", with such plantings as described to be completed by 30 September 1999.	Yes	Landscaping and screen planting was carried out at the site in accordance with the specified plan. Screen plantings are well established. Additional roadside planting screen enhancement was completed in May 2009 to fill in gaps where die off had occurred in earlier plantings. These plants will establish with time.																																				
11	The consent holder shall construct and place a sign in the vicinity of the discharge to the Waikato River, in such a way that it is conspicuous to river users, advertising of the presence of the wastewater discharge and warning	Yes	A sign is located in the vicinity of the discharge that alerts and warns people of the presence of the wastewater discharge.																																				

	Conditions	Comply Yes/No	Comments
	against the use of the location for swimming.		
12	<p>The following limits shall apply to the discharge to the Waikato River prior to, and including, 30 April 2001 (refer Note 2)</p> <p>a) The five day biochemical oxygen demand of the discharge shall not exceed 75 kilograms per day.</p> <p>b) The five day biochemical oxygen demand shall not exceed 50 grams per cubic metre for 90 percent of samples taken over a year.</p> <p>c) The suspended solid load of the discharge shall not exceed 225 kilograms per day.</p> <p>d) The median suspended solid load of the discharge shall not exceed 150 grams per cubic metre for 90 percent of samples taken over a year.</p> <p>e) The median faecal coliform bacteria density shall not exceed 5×10^4 per 100 ml based on not fewer than five samples taken over not more than a 30 day period.</p> <p>Notwithstanding the stated limits, the consent holder shall make all reasonable and practical efforts to ensure that final effluent quality is maximised within the capabilities of the current treatment system.</p>	Yes	Condition is now superseded by condition 13 and no longer applicable.
13	<p>The following limits shall apply to the discharge to the Waikato River after 30 April 2001 (refer Note 2):</p> <p>a) Not more than one sample in each preceding ten samples shall exceed 20 grams per cubic metre Biochemical Oxygen Demand, with a maximum in any one sample being 50 grams per cubic metre.</p>	Yes	<p>Compliant cBOD5.</p> <p>Maximum was 22 g/m³ in Dec 2010, down from 27 g/m³ in 2009-10.</p> <p>The 90th Percentile value was 18.8 g/m³ down from 20.8 g/m³ in 2009-10.</p> <p>Median value was 13 g/m³ same as 2008-09.</p> <p>Average was 13.6 g/m³ down from 15 in 2009-10.</p>
	<p>b) Not more than one sample in each preceding 10 samples shall exceed 30 grams per cubic metre Suspended Solids, with a maximum in any one sample being 50 grams per cubic metre.</p>	No	<p>Non-Compliant SS.</p> <p>The 90th Percentile value was 48.2 g/m³, up from 46 g/m³ in 2009-2010.</p> <p>Maximum recorded value was 62 g/m³ in Jan 2011 down from 79 g/m³ in 2009-10.</p> <p>Median value for the 2010-11 year was 33 g/m³ up from 29 g/m³ 2009-10.</p> <p>The high Suspended Solids are originating in the oxidation pond and the wetlands are reducing the final discharge level. This continues with the reduction due to algae reaction in the rock filter.</p>
	c) The concentration of faecal coliforms in the discharge shall not exceed a	No	Non-compliant FC.

	Conditions	Comply Yes/No	Comments
	<p>daily median of 3000 MPN (Most Probable Number) per 100 ml.</p> <p>The median shall be determined from 5 samples collected during 30 consecutive days, or from any other 5 consecutive samples taken as per condition 15 and 16 of this consent.</p>		<p>Improvement due to curtains that have stopped the short circuiting.</p> <p>The Median for five consecutive samples through the period 3 Feb – 15 Mar 2011 was 9200 MPN per 100mL.</p> <p>The Median for the entire reporting period was 7450 MPN per 100mL.</p> <p>The 90th Percentile value was 13,700, down from 22,600 MPN/100mL in 2009-10 and 46000 in 2008-09.</p> <p>Minimum was 260 MPN per 100mL.</p> <p>Average was 9083 MPN per 100mL.</p> <p>Maximum recorded value was 35,000 MPN per 100mL, down from 37,000 MPN per 100mL on the previous period 2009-2010.</p>
	<p>d) No more than one sample in each preceding 10 samples shall exceed 5 grams per cubic metre Dissolved Reactive Phosphorous,</p> <p>with a maximum in any one sample being 10 grams per cubic metre.</p>	<p>No</p> <p>Yes</p>	<p>Partially-compliant DRP. Ongoing improvement.</p> <p>The 90th Percentile value was 6.1 g/m3 up from 5.7 g/m3 in 2009-10.</p> <p>Maximum recorded value was 6.60 g/m3, up from 6.1 g/m3 in 2009-10.</p> <p>Average 4.8 g/m3 same as 2009-10.</p> <p>Median value for the 2010-11 year was 4.9 g/m3, same as for 2009-10.</p>
	<p>e) Not more than one sample in each preceding ten samples shall exceed 5 grams per cubic metre Nitrate Nitrogen (NO₃),</p> <p>with a maximum in any one sample being 8 grams per cubic metre.</p>	<p>Yes</p>	<p>Compliant NO₃-N</p> <p>Results indicate that good denitrification is generally occurring.</p> <p>The 90th Percentile value was 0.7 g/m3.</p>
	<p>f) Not more than one sample in each preceding ten samples shall exceed 10 grams per cubic metre Total Ammoniacal Nitrogen</p> <p>with a maximum in any one sample being 15 grams per cubic metre.</p>	<p>No</p> <p>Yes</p>	<p>Partial compliance</p> <p>The 90th Percentile value was 12 g/m3, down from 18 g/m3 in 2009-10.</p> <p>Maximum recorded value was 14.9 g/m3, in Dec 2010.</p> <p>Average 7.6 g/m3.</p> <p>Median value for the 2010-2011 year was 8 g/m3, up from 5.4 g/m3 in 2009-2010.</p>
	<p>g) The pH of the discharge shall not be less than 6 and no greater than 9 pH units.</p> <p>Not withstanding the stated limits, the consent holder shall make all reasonable and practical efforts to ensure that final effluent quality is maximised within the capabilities of the current treatment system.</p>	<p>Yes</p>	<p>Compliant.</p>

	Conditions	Comply Yes/No	Comments												
14	The consent holder shall notify the Waikato Regional Council as soon as practicable and as a minimum requirement - within 24 hours of the consent holder becoming aware of the limits specified in conditions 12 and 13 of this resource consent being exceeded - of any accidental discharge, plant breakdown, or other circumstances which are likely to result in the limits of this resource consent being exceeded.	Yes	No raw wastewater has been released in the reporting period.												
15	<p>Prior to and including 30 April 2001, and subject to condition 23, the consent holder shall characterise the quality, quantity and variability of the discharge to the satisfaction of the Waikato Regional Council. To this end, the consent holder shall, unless otherwise required to do so by the Waikato Regional Council in writing following consultation with the consent holder, characterise, and report to the Waikato Regional Council at least in 3 monthly intervals, on the discharge as follows:</p> <table border="1" data-bbox="161 671 1072 1190"> <thead> <tr> <th data-bbox="161 671 353 738">Frequency</th> <th data-bbox="353 671 714 738">Sample Type</th> <th data-bbox="714 671 1072 738">Parameter</th> </tr> </thead> <tbody> <tr> <td data-bbox="161 738 353 805">Daily</td> <td data-bbox="353 738 714 805">Daily total outflow from oxidation ponds</td> <td data-bbox="714 738 1072 805">Volume</td> </tr> <tr> <td data-bbox="161 805 353 873">Weekly</td> <td data-bbox="353 805 714 873">Single sample/test in oxidation ponds</td> <td data-bbox="714 805 1072 873">Dissolved oxygen</td> </tr> <tr> <td data-bbox="161 873 353 1190">Monthly</td> <td data-bbox="353 873 714 1190">Single sample/test in outlet from oxidation ponds</td> <td data-bbox="714 873 1072 1190">Biochemical Oxygen Demand, Suspended solids, Dissolved reactive phosphorous, Total phosphorous, Total Ammoniacal Nitrogen, Total Kjeldahl Nitrogen, Nitrate Nitrogen, pH, Temperature, Faecal Colliform, E-coli.</td> </tr> </tbody> </table>	Frequency	Sample Type	Parameter	Daily	Daily total outflow from oxidation ponds	Volume	Weekly	Single sample/test in oxidation ponds	Dissolved oxygen	Monthly	Single sample/test in outlet from oxidation ponds	Biochemical Oxygen Demand, Suspended solids, Dissolved reactive phosphorous, Total phosphorous, Total Ammoniacal Nitrogen, Total Kjeldahl Nitrogen, Nitrate Nitrogen, pH, Temperature, Faecal Colliform, E-coli.		Condition now superseded by Condition 16 and no longer applicable.
Frequency	Sample Type	Parameter													
Daily	Daily total outflow from oxidation ponds	Volume													
Weekly	Single sample/test in oxidation ponds	Dissolved oxygen													
Monthly	Single sample/test in outlet from oxidation ponds	Biochemical Oxygen Demand, Suspended solids, Dissolved reactive phosphorous, Total phosphorous, Total Ammoniacal Nitrogen, Total Kjeldahl Nitrogen, Nitrate Nitrogen, pH, Temperature, Faecal Colliform, E-coli.													

	Conditions	Comply Yes/No	Comments																		
16	<p>After 30 April 2001 and subject to condition 23, the consent holder shall characterise the quality, quantity and variability of the discharge to the satisfaction of the Waikato Regional Council. To this end, the consent holder shall, unless otherwise required to do so by the Waikato Regional Council in writing following consultation with the consent holder, characterise, and report to the WRC at least in 3 monthly intervals, on the discharge as follows:</p> <table border="1" data-bbox="161 395 1077 1385"> <thead> <tr> <th data-bbox="161 395 374 464">Frequency</th> <th data-bbox="374 395 674 464">Sample Type</th> <th data-bbox="674 395 1077 464">Parameter</th> </tr> </thead> <tbody> <tr> <td data-bbox="161 464 374 533">Daily</td> <td data-bbox="374 464 674 533">Daily total outflow from oxidation ponds</td> <td data-bbox="674 464 1077 533">Volume</td> </tr> <tr> <td data-bbox="161 533 374 601">Weekly</td> <td data-bbox="374 533 674 601">Single sample/test in oxidation ponds</td> <td data-bbox="674 533 1077 601">Dissolved oxygen</td> </tr> <tr> <td data-bbox="161 601 374 863">Monthly</td> <td data-bbox="374 601 674 863">Single sample/test in outlet from rock filter wetland</td> <td data-bbox="674 601 1077 863">Biochemical Oxygen Demand, Suspended solids, Dissolved reactive phosphorous, Total phosphorous, Total Ammoniacal Nitrogen, Total Kjeldahl Nitrogen, Nitrate Nitrogen, pH, Temperature, Faecal Colliform, E-coli.</td> </tr> <tr> <td data-bbox="161 863 374 1125">Quarterly</td> <td data-bbox="374 863 674 1125">Single sample/test in outlet from oxidation ponds</td> <td data-bbox="674 863 1077 1125">Biochemical Oxygen Demand, Suspended solids, Dissolved reactive phosphorous, Total phosphorous, Total Ammoniacal Nitrogen, Total Kjeldahl Nitrogen, Nitrate Nitrogen, pH, Temperature, Faecal Colliform, E-coli.</td> </tr> <tr> <td data-bbox="161 1125 374 1385">Annual</td> <td data-bbox="374 1125 674 1385">5 tests over 30 day continuous period during Feb-March in discharge from rock filter/wetland</td> <td data-bbox="674 1125 1077 1385">Biochemical Oxygen Demand, Suspended solids, Dissolved reactive phosphorous, Total phosphorous, Total Ammoniacal Nitrogen, Total Kjeldahl Nitrogen, Nitrate Nitrogen, pH, Temperature, Faecal Colliform, E-coli.</td> </tr> </tbody> </table>	Frequency	Sample Type	Parameter	Daily	Daily total outflow from oxidation ponds	Volume	Weekly	Single sample/test in oxidation ponds	Dissolved oxygen	Monthly	Single sample/test in outlet from rock filter wetland	Biochemical Oxygen Demand, Suspended solids, Dissolved reactive phosphorous, Total phosphorous, Total Ammoniacal Nitrogen, Total Kjeldahl Nitrogen, Nitrate Nitrogen, pH, Temperature, Faecal Colliform, E-coli.	Quarterly	Single sample/test in outlet from oxidation ponds	Biochemical Oxygen Demand, Suspended solids, Dissolved reactive phosphorous, Total phosphorous, Total Ammoniacal Nitrogen, Total Kjeldahl Nitrogen, Nitrate Nitrogen, pH, Temperature, Faecal Colliform, E-coli.	Annual	5 tests over 30 day continuous period during Feb-March in discharge from rock filter/wetland	Biochemical Oxygen Demand, Suspended solids, Dissolved reactive phosphorous, Total phosphorous, Total Ammoniacal Nitrogen, Total Kjeldahl Nitrogen, Nitrate Nitrogen, pH, Temperature, Faecal Colliform, E-coli.	Yes	<p>Data is recorded and supplied to Environment Waikato. All the recorded data is supplied with this annual report in complete form.</p> <p>Oxidation pond sampling taken at monthly intervals throughout the year results in significantly more sample collection and analysis of the treatment plant performance than would be available otherwise.</p> <p>Where temporary failure of the SCADA telemetry has prevented daily totalisation of the discharge volumes, daily estimates have been provided from the manual site visit record.</p> <p>The 5 tests over 30 days were completed.</p> <p>The summer period is clearly the more difficult period to achieve compliance with the performance conditions for cBOD5 and SS. These are associated with high algae levels during summer.</p>
Frequency	Sample Type	Parameter																			
Daily	Daily total outflow from oxidation ponds	Volume																			
Weekly	Single sample/test in oxidation ponds	Dissolved oxygen																			
Monthly	Single sample/test in outlet from rock filter wetland	Biochemical Oxygen Demand, Suspended solids, Dissolved reactive phosphorous, Total phosphorous, Total Ammoniacal Nitrogen, Total Kjeldahl Nitrogen, Nitrate Nitrogen, pH, Temperature, Faecal Colliform, E-coli.																			
Quarterly	Single sample/test in outlet from oxidation ponds	Biochemical Oxygen Demand, Suspended solids, Dissolved reactive phosphorous, Total phosphorous, Total Ammoniacal Nitrogen, Total Kjeldahl Nitrogen, Nitrate Nitrogen, pH, Temperature, Faecal Colliform, E-coli.																			
Annual	5 tests over 30 day continuous period during Feb-March in discharge from rock filter/wetland	Biochemical Oxygen Demand, Suspended solids, Dissolved reactive phosphorous, Total phosphorous, Total Ammoniacal Nitrogen, Total Kjeldahl Nitrogen, Nitrate Nitrogen, pH, Temperature, Faecal Colliform, E-coli.																			

	Conditions	Comply Yes/No	Comments
19	<p>The consent holder shall provide to the Waikato Regional Council, the Waikato Raupatu Lands Trust, and submitters to the consent application, E Finlay and P & A O'Sullivan, a written monitoring report by 31 March 2000, and 31 March each year thereafter while this consent is current. As a minimum this report shall include the following:</p> <ul style="list-style-type: none"> a) A summary of the monitoring results required by conditions 15 and 16 of this resource consent and a critical analysis of the information in terms of compliance and environmental effects. b) A comparison of data with previously collected data identifying any emerging trends. c) Comment on compliance with the conditions of this resource consent. d) Any reasons for non-compliance or difficulties in achieving compliance with the conditions of this resource consent. e) Any works that have been undertaken to improve the environmental performance of the treatment system or that are proposed to be undertaken in the upcoming year to improve the environmental performance of the treatment system. f) Recommendations on alterations to the monitoring required by conditions 15 and 16 of this resource consent. g) Any other issues considered important by the consent holder. 	Yes	<p>Report for period July 2010 to June 2011 attached. Copies to be sent to the parties specified in the condition.</p> <p>A change of reporting date to 30 September, after end of financial year was granted under s127 of the Resource Management Act 1991.</p> <p>This report compares current period data with the previous period.</p> <p>This report and the attached data tables clearly describes compliance results.</p> <p>The application for a new consent has been under discussion with EW and Iwi representatives and is ongoing</p>
20	<p>In conjunction with consent number 100972 (authorising discharge of treated domestic wastewater from the Ngaruawahia Wastewater Treatment Plant) the consent holder shall provide to the Waikato Regional Council and the Waikato Raupatu Lands Trust, and submitters to the consent application, E Finlay and P & A O'Sullivan, two Nutrient Reports, the first to be completed by 30 September 2003, and the second by 30 September 2008, detailing the following:</p> <ul style="list-style-type: none"> a) A detailed analysis of nutrient loads (nitrogen and phosphorous) discharged to the Waikato River from the Huntly and Ngaruawahia Wastewater Treatment Plants, over the time of the respective discharge consents. b) An analysis of trends detailed in a) in relation to the Waikato Regional Council target for a 30% reduction in nutrients in the Waikato River in 	N/A	<p>A nutrient report was submitted during the consent application process</p> <p>The data table annual summary shows the nutrient load discharge average monthly values for Total Nitrogen and Total Phosphorous released to the Waikato River from the Ngaruawahia WWTP during the reporting period.</p> <p>Total Nitrogen;</p> <ul style="list-style-type: none"> ▪ Median value for the 2010-11 year was 22.9 kg/day. ▪ Median summer value Dec-May for the 2010-2011 year was 22 kg/day ▪ The Maximum for the December to May period was 26.43 kg/day. ▪ The 90th Percentile value was 31.13 kg/day.

	Conditions	Comply Yes/No	Comments
	<p>the growing season (Jan-May), together with an assessment of progress made towards reducing nutrients in the Huntly and Ngaruawahia wastewater discharges by 30% during the growing season.</p> <p>c) An assessment of the need for further nutrient reduction in the Huntly and Ngaruawahia wastewater discharges based on a) and b) above.</p> <p>d) A review of current developments in nutrient reduction technology that could be appropriate for the Huntly and Ngaruawahia Wastewater Treatment Plants.</p> <p>e) A review of potential for reduction of nutrient discharge to the Waikato River from the Huntly and Ngaruawahia Wastewater Treatment Plants, including, but not limited to an assessment of the land disposal option, which shall include identification of possible sites for land disposal and environmental and economic cost/benefit analyses of the land disposal option.</p> <p>f) Recommendations for action in the light of a) to e) above.</p>		<p>Total Phosphorous;</p> <ul style="list-style-type: none"> ▪ Median value for the 2010-11 year was 8.30 kg/day. ▪ Median summer value Dec-May for the 2010-2011 year was 9.75 kg/day. ▪ The Maximum for the December to May period was 11.7 kg/day. ▪ The 90th Percentile value was 10.62 kg/day.
21	<p>The consent holder shall retain suitably qualified person(s) to investigate and report on feasibility, technology and economics of alternative collection, treatment and disposal systems for sewage and wastewater, including land based options. The consent holder shall forward to the Waikato Regional Council and the Waikato Raupatu Lands Trust, and submitters to the consent application, E Finlay and P & A O'Sullivan, a report on a yearly basis covering the period to the 31 December of each year that details the investigations of such alternatives undertaken and the involvement of tangata whenua in those investigations in the previous year. This report shall be provided by the 31 March 2000, and 31 March each year thereafter while this consent is current. The reports shall be to a standard acceptable to the Waikato Regional Council.</p>	Yes	<p>A report was submitted on 30 June 2006 that suitably addressed the requirements of the Ngaruawahia site.</p>
22	<p>In conjunction with consent number 100973, the consent holder shall maintain and keep current a complaints register for complaints regarding all aspects of operations at the wastewater treatment plant site, and the discharge of treated wastewater to the Waikato River, received by the consent holder. The register shall record:</p> <p>a) The date, time and duration of the incident that has resulted in a complaint.</p>	Yes	<p>Complaints register maintained by Stakeholder Relationship Customer Delivery Team. No formally recorded complaints relating to the treatment system have been received during the reporting period.</p>

	Conditions	Comply Yes/No	Comments
	<p>b) The location of the complainant when the incident was detected.</p> <p>c) The possible cause of the incident.</p> <p>d) The weather conditions and wind direction at the site when the incident allegedly occurred, if significant to the complaint (for example if an odour incident occurs).</p> <p>e) Any corrective action undertaken by the consent holder in response to the complaint.</p> <p>The register shall be available to the Waikato Regional Council at all reasonable times. Complaints which may indicate non-compliance with the conditions of this resource consent shall be forwarded to the Waikato Regional Council within 5 days of the complaint being received.</p>		
23	<p>The Waikato Regional Council may in the period of six months ending 1 December, 2002 and 1 December every two years thereafter, while this consent is current, serve notice on the consent holder under section 128 (i) of the Resource Management Act 1991, of its intention to review the conditions of this resource consent for the following purposes:</p> <p>a To review the effectiveness of the conditions of this resource consent in avoiding or mitigating any adverse effects on the environment from the exercise of this resource consent and if necessary to avoid, remedy or mitigate such effects by way of further or amended conditions.</p> <p>b If necessary and appropriate, to require the holder of this resource consent to adopt the best practicable option to remove or reduce adverse effects on the surrounding environment due to the discharge.</p> <p>c To review the adequacy of and the necessity for monitoring undertaken by the consent holder.</p>	N/A	
24	<p>The consent holder shall pay to the Waikato Regional Council any administrative charge fixed in accordance with section 36 of the Resource Management Act 1991, or any charge prescribed in accordance with regulations made under section 360 of the Resource Management Act.</p>	Yes	<p>A fee is paid to Environment Waikato for the administration and auditing of the resource consent.</p>