

## 107031 Meremere Wastewater Sewage Treatment Discharge. 2007-08

**This consent authorises the Consent Holder to:** discharge up to 480 cubic metres per day of treated domestic wastewater from oxidation ponds and constructed subsurface wetland (planted rock filter), into the Waikato River, in the vicinity of State Highway 1, Meremere.

	Conditions	Comply Yes/No	Comments
1	The wastewater treatment system shall be operated and maintained in accordance with (a) the application for this consent; and (b) the document titled "Meremere wastewater treatment ,application for Resource consent renewal" 25 March 2001; and (c) the document titled "Meremere wastewater treatment, assessment of environmental effects 25 March 2001.	Yes	The operation of the wastewater system is generally in accordance with the documentation supplied in the consent.
2	The treatment plant shall be managed and operated by an appropriately trained operator.	Yes	An appropriately trained person operates the wastewater treatment system.
3	The consent holder shall provide easy access to the treatment plant and disposal facilities for the measurement of flow and quality of the discharge to the Waikato river	Yes	Easy access is provided to the facility and to the disposal facilities for the measurement of flow and water quality measurement.
4	The consent holder shall ensure that contractors are made aware of the 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.
5	The consent holder shall pay any required administrative charge to Environment Waikato.	Yes	The Waikato District Council pays a fee to Environment Waikato for the reasonable costs of auditing the resource consent.
6	The tertiary treatment constructed subsurface flow wetland (planted rock filter) shall be constructed and maintained to the following standards: (a) A minimum area of 0.2 hectares including embankments; (b) An average depth of 0.3 metres; (c) Contain a filter medium with demonstrated ability to	Yes Yes	The tertiary treatment subsurface flow wetland was constructed according to the design submitted with the application.

	Conditions	Comply Yes/No	Comments
	<p>provide tertiary treatment to secondary treated wastewater;</p> <p>(d) Planted with suitable native wetland species; and</p> <p>(e) Maintained to high vegetative cover.</p>	<p>Yes Partial</p>	<p>Plantings of native wetland species occurred in September 2005 and repeated in spring 2007. The establishment was not completely successful. A timber weir installed to hold water in the rock filter at a depth of 100 mm is only partially successful in dry weather.</p>
7	<p>I. The consent holder shall provide the Waikato Regional Council the final detailed design of the constructed subsurface flow wetland (planted rock filter) system in writing prior to its construction.</p>	<p>Yes</p>	<p>Final detailed design of the constructed subsurface wetland was submitted to Environment Waikato.</p>
8	<p>The consent holder shall ensure that the oxidation pond banks are maintained to a good working standard. To this end the consent holder shall:</p> <p>(a) Repair the oxidation pond banks within six months of the commencement of this consent at locations where the banks have slumped and the geotextile fabric is damaged, repair shall include rock armouring to stabilise the embankments;</p> <p>(b) Carry out six monthly visual structural inspection of the oxidation pond banks and liner and undertake maintenance where necessary to comply with this condition; and</p> <p>©Keep a record of maintenance that is undertaken on the pond banks and liner and make this record available to the Waikato Regional Council at all reasonable times and upon request.</p>	<p>Yes</p>	<p>Maintenance work to the oxidation pond banks is carried out in as and where necessary.</p> <p>Routine maintenance checks are carried out on the wastewater system and any problems noted.</p>
9	<p>The consent holder shall initiate consultation with Genesis Power Limited before undertaking any construction works associated with the wastewater treatment system and pipeline in the vicinity of the Genesis Power Limited rehabilitation works (associated with the Meremere Power Station site) with regard to the location of those works where the rehabilitation works within the Genesis Power Limited lease may be affected.</p>	<p>Yes</p>	<p>Consultation has taken place with Genesis Power and the works undertaken by the Waikato District Council do not conflict with any rehabilitation works that have been carried out by Genesis Power.</p>

	Conditions	Comply Yes/No	Comments
10	Any construction works carried out in association with any new wastewater treatment system and pipeline excavations or other construction works undertaken by or for the consent holder shall be carried out in such a way that they do not expose areas of ash, municipal waste or asbestos within the boundary of the Genesis Power Limited lease for the Meremere Power Station site. Should any areas of ash, municipal waste or asbestos be exposed, the consent holder shall notify Genesis Power Limited and shall ensure that these areas are restored by an appropriately qualified and experienced party to their original design standard within 14 days.	Yes	The discharge pipeline is located clear of Ash deposits and contaminated soils.
11	The discharge of treated wastewater via the Meremere Power Station stormwater reticulation system shall cease within six months of the commencement of resource consent 105033 or any other relevant resource consent that authorises an alternative discharge method for the Meremere wastewater discharge, whichever is the sooner.	Yes	The discharge of treated wastewater via the Meremere Power Station reticulation system ceased early in 2004. The Waikato District Council discharges wastewater via its own pipeline.
12	The maximum volume of treated wastewater discharged shall not exceed 480 cubic metres in any 24-hour period and the average dry weather flow shall be maintained at a level not exceeding 160 cubic metres per day.	No	Discharge records show that this is regularly exceeded in Winter rainy periods. Infiltration of the reticulation is suspected and a survey and remediation plan is currently underway and being developed.
13	<p>The time of discharge shall be limited to the period between 10pm and 5am the following day, provided always that if:</p> <ol style="list-style-type: none"> <li>1. there is an accidental power failure during that period, or</li> <li>2. the daily rainfall exceeds a 5% AEP event (Annual Exceedence Probability event),</li> </ol> <p>such that discharging is reasonably necessary outside those hours, the consent holder may discharge for such longer or other period as may be required. If at all possible, the consent holder shall notify and consult with Waikato Regional Council and the Mercer</p>	Partial	<p>The time of the discharge of wastewater is programmed to occur only between 10pm and 5am the next morning. This is generally being achieved.</p> <p>There have been some instances of system control failure. There have been occasions where excessive inflow due to heavy rainfall has necessitated pumping outside the stipulated hours. Where possible Environment Waikato has been notified of our intention to do so.</p>

	<b>Conditions</b>	<b>Comply Yes/No</b>	<b>Comments</b>																								
	Rowing Club (as per condition 23) prior to the evens described above, or if this is not possible, as soon as practicable after the event, as to an appropriate discharge regime.																										
14	<p>The consent holder shall meet condition 15 of this consent following the installation and commissioning of the wetland and the baffling of the oxidation pond at the treatment plant, or six months after the commencement of this consent, which ever occurs first. Prior to this time condition 15 of this consent shall not apply and the consent holder shall ensure that the quality of the discharge prior to entering the Waikato River is equal to or less than the concentrations outlined in the table below as follows:</p> <table border="1" data-bbox="170 667 1010 1385"> <thead> <tr> <th data-bbox="170 667 445 815">Parameter</th> <th data-bbox="445 667 728 815"><b>Median Discharge Quality (g/m<sup>3</sup>)</b></th> <th data-bbox="728 667 1010 815"><b>Ninety Percentile Discharge Quality (g/m<sup>3</sup>)</b></th> </tr> </thead> <tbody> <tr> <td data-bbox="170 815 445 890">Total Kjeldahl Nitrogen</td> <td data-bbox="445 815 728 890">15</td> <td data-bbox="728 815 1010 890">30</td> </tr> <tr> <td data-bbox="170 890 445 965">Ammoniacal Nitrogen</td> <td data-bbox="445 890 728 965">10</td> <td data-bbox="728 890 1010 965">20</td> </tr> <tr> <td data-bbox="170 965 445 1007">Total Phosphorus</td> <td data-bbox="445 965 728 1007">6</td> <td data-bbox="728 965 1010 1007">8</td> </tr> <tr> <td data-bbox="170 1007 445 1118">Biochemical Oxygen Demand</td> <td data-bbox="445 1007 728 1118">18</td> <td data-bbox="728 1007 1010 1118">36</td> </tr> <tr> <td data-bbox="170 1118 445 1160">Suspended Solids</td> <td data-bbox="445 1118 728 1160">50</td> <td data-bbox="728 1118 1010 1160">100</td> </tr> <tr> <th data-bbox="170 1160 445 1347">Parameter</th> <th data-bbox="445 1160 728 1347"><b>Median Discharge Quality (MPN/100ml)</b></th> <th data-bbox="728 1160 1010 1347"><b>Ninety Percentile Discharge Quality (MPN/100ml)</b></th> </tr> <tr> <td data-bbox="170 1347 445 1385">Escherichia coli</td> <td data-bbox="445 1347 728 1385">10,000</td> <td data-bbox="728 1347 1010 1385">45,000</td> </tr> </tbody> </table>	Parameter	<b>Median Discharge Quality (g/m<sup>3</sup>)</b>	<b>Ninety Percentile Discharge Quality (g/m<sup>3</sup>)</b>	Total Kjeldahl Nitrogen	15	30	Ammoniacal Nitrogen	10	20	Total Phosphorus	6	8	Biochemical Oxygen Demand	18	36	Suspended Solids	50	100	Parameter	<b>Median Discharge Quality (MPN/100ml)</b>	<b>Ninety Percentile Discharge Quality (MPN/100ml)</b>	Escherichia coli	10,000	45,000	Yes	<p>The Waikato District Council installed suitable curtains to use as baffles for the oxidation pond.</p> <p>This condition was replaced by condition 15 and is no longer operative.</p>
Parameter	<b>Median Discharge Quality (g/m<sup>3</sup>)</b>	<b>Ninety Percentile Discharge Quality (g/m<sup>3</sup>)</b>																									
Total Kjeldahl Nitrogen	15	30																									
Ammoniacal Nitrogen	10	20																									
Total Phosphorus	6	8																									
Biochemical Oxygen Demand	18	36																									
Suspended Solids	50	100																									
Parameter	<b>Median Discharge Quality (MPN/100ml)</b>	<b>Ninety Percentile Discharge Quality (MPN/100ml)</b>																									
Escherichia coli	10,000	45,000																									

	Conditions	Comply Yes/No	Comments																					
	<p>The median of each parameter shall be calculated from the preceding 10 samples taken. Compliance with the ninety percentile discharge quality standard shall be determined by not more than one sample result in the preceding ten sample results being above the stated limit. The median and ninety percentile measures shall be based on every sample taken in accordance with monitoring conditions of this consent, any other samples taken of the discharge by the consent holder, and any samples taken by the Waikato Regional Council staff of the discharge where the results have been provided to the consent holder.</p>																							
15	<p>The consent holder shall ensure that the quality of the discharge prior to entering the Waikato River is equal to or less than the concentrations outlined in the table below following the installation and commissioning of the wetland and the baffling of the oxidation pond at the treatment plant, or until six months after the commencement of this consent, which ever occurs first, as follows:</p> <table border="1" data-bbox="188 895 1032 1425"> <thead> <tr> <th data-bbox="188 895 465 1046">Parameter</th> <th data-bbox="465 895 748 1046">Median Discharge Quality (g/m<sup>3</sup>)</th> <th data-bbox="748 895 1032 1046">Ninety Percentile Discharge Quality (g/m<sup>3</sup>)</th> </tr> </thead> <tbody> <tr> <td data-bbox="188 1046 465 1121">Total Kjeldahl Nitrogen</td> <td data-bbox="465 1046 748 1121">12</td> <td data-bbox="748 1046 1032 1121">15</td> </tr> <tr> <td data-bbox="188 1121 465 1197">Ammoniacal Nitrogen</td> <td data-bbox="465 1121 748 1197">8</td> <td data-bbox="748 1121 1032 1197">10</td> </tr> <tr> <td data-bbox="188 1197 465 1235">Total Phosphorus</td> <td data-bbox="465 1197 748 1235">5</td> <td data-bbox="748 1197 1032 1235">7</td> </tr> <tr> <td data-bbox="188 1235 465 1310">Biochemical Oxygen Demand</td> <td data-bbox="465 1235 748 1310">15</td> <td data-bbox="748 1235 1032 1310">20</td> </tr> <tr> <td data-bbox="188 1310 465 1348">Suspended Solids</td> <td data-bbox="465 1310 748 1348">20</td> <td data-bbox="748 1310 1032 1348">30</td> </tr> <tr> <th data-bbox="188 1348 465 1425">Parameter</th> <th data-bbox="465 1348 748 1425">Median Discharge</th> <th data-bbox="748 1348 1032 1425">Ninety Percentile</th> </tr> </tbody> </table>	Parameter	Median Discharge Quality (g/m <sup>3</sup> )	Ninety Percentile Discharge Quality (g/m <sup>3</sup> )	Total Kjeldahl Nitrogen	12	15	Ammoniacal Nitrogen	8	10	Total Phosphorus	5	7	Biochemical Oxygen Demand	15	20	Suspended Solids	20	30	Parameter	Median Discharge	Ninety Percentile	<p>Partial</p> <p>Partial</p> <p>Partial</p> <p>No</p>	<p>Partially-compliant TKN. The median value was 12 g/m<sup>3</sup> The 90<sup>th</sup> Percentile value was 15.8 g/m<sup>3</sup> Minimum 5.6 g/m<sup>3</sup>, Mean 12.5 g/m<sup>3</sup> Maximum recorded value was 20 g/m<sup>3</sup> Mar 08.</p> <p>Partially-compliant NH<sub>4</sub>-N. The median value was 0.365 g/m<sup>3</sup> The 90<sup>th</sup> Percentile value was 13.6 g/m<sup>3</sup> Minimum 0.01 g/m<sup>3</sup>, Mean 3.9 g/m<sup>3</sup> Maximum recorded value was 14 g/m<sup>3</sup> Jul 07.</p> <p>Partially-compliant TP. The median value was 3.8 g/m<sup>3</sup> The 90<sup>th</sup> Percentile value was 7.3 g/m<sup>3</sup> Minimum 1.67 g/m<sup>3</sup>, Mean 4.4 g/m<sup>3</sup> Maximum recorded value was 7.9 g/m<sup>3</sup> Feb 08</p> <p>Non-compliant BOD. The median value was 16 g/m<sup>3</sup> The 90<sup>th</sup> Percentile value was 26 g/m<sup>3</sup> Minimum 5 g/m<sup>3</sup>, Mean 19.1 g/m<sup>3</sup></p>
Parameter	Median Discharge Quality (g/m <sup>3</sup> )	Ninety Percentile Discharge Quality (g/m <sup>3</sup> )																						
Total Kjeldahl Nitrogen	12	15																						
Ammoniacal Nitrogen	8	10																						
Total Phosphorus	5	7																						
Biochemical Oxygen Demand	15	20																						
Suspended Solids	20	30																						
Parameter	Median Discharge	Ninety Percentile																						

Conditions			Comply Yes/No	Comments
		<b>Quality (MPN/100ml)</b>	<b>Discharge Quality (MPN/100ml)</b>	
	Escherichia coli	630	3500	
	Faecal coliform	900	5000	
<p>Note: Intent is that discharge bacteriological quality is not worse than the current river quality, and target is to progress to bathing water standard.</p> <p>The median of each parameter shall be calculated from the preceding 10 samples taken at the relevant river flow. Compliance with the ninety percentile discharge quality standard shall be determined by not more than one sample result in the preceding ten sample results at the relevant river flow being above the stated limit. The median and ninety percentile measures shall be based on every sample taken in accordance with monitoring conditions of this consent, any other samples taken of the discharge by the consent holder, and any samples taken by the Waikato Regional Council staff of the discharge where the results have been provided to the consent holder.</p>				<p>Maximum recorded value was 46 g/m<sup>3</sup> Oct 07 No value was recorded Aug 07.</p> <p>No</p> <p>Non-compliant SS. The median value was 93 g/m<sup>3</sup> The 90<sup>th</sup> Percentile value was 248 g/m<sup>3</sup> Minimum 7 g/m<sup>3</sup>, Mean 120 g/m<sup>3</sup> Maximum recorded value was 280 g/m<sup>3</sup> Mar 08. High suspended solids were associated with extensive cover of the WWTP ponds by algal bloom.</p> <p>Partially-compliant E Coli. The median value was 405 MPN/100mL The 90<sup>th</sup> Percentile value was 120000 MPN/100mL Minimum &lt;1 MPN/100mL, Mean 50000 MPN/100mL Maximum recorded value was 360000 MPN/100mL Mar 08. High E Coli were associated with extensive cover of the WWTP ponds by algal bloom reducing UV effectiveness</p> <p>Partially-compliant Faecal Coli. The median value was 405 MPN/100mL The 90<sup>th</sup> Percentile value was 73500 MPN/100mL Minimum &lt;1 MPN/100mL, Mean 50000 MPN/100mL Maximum recorded value was 420000 MPN/100mL Mar 08. High E Coli were associated with extensive cover of the WWTP ponds by algal bloom reducing UV effectiveness</p> <p>The majority of the water quality parameters did not fully comply with the consent requirements. The Waikato District Council is has engaged a consultant to develop an upgrade plan to work towards meeting the treatment requirements and compliance with the conditions of consent.</p>

	Conditions	Comply Yes/No	Comments
16	Notwithstanding the stated limits in conditions 14 and 15, of this consent, the consent holder shall make all reasonable and practical efforts to ensure that the final effluent quality is maximised within the capabilities of the treatment system in operation.	Yes	<p>The majority of the water quality parameters did not fully comply with the consent requirements despite efforts to improve quality outcomes.</p> <p>The Waikato District Council is has engaged the consultant involved in the Te Kauwhata, Raglan, Huntly and Ngaruawahia WWTP upgrades to develop an upgrade plan to achieve treatment requirements and compliance with the conditions of consent.</p>
17	<p>The consent holder shall ensure that after reasonable mixing the discharge does not cause any of the following effects in the Waikato River:</p> <ul style="list-style-type: none"> <li>(a) The production of any conspicuous oil or grease films, scums, foams, or floatable or suspended materials</li> <li>(b) Any conspicuous change in the colour or visual clarity</li> <li>(c) Any emission of objectionable odour</li> <li>(d) The rendering of fresh water unsuitable for consumption by farm animals</li> <li>(e) Any significant adverse effects on aquatic life</li> </ul>	Yes	There have been no observations recorded on the regular inspection sheets of any instances that might indicate non-compliance with this condition.

	Conditions	Comply Yes/No	Comments									
18	<p>The consent holder shall undertake sampling and analysis of the inflow and treated effluent as outlined in the table below as follows:</p> <table border="1" data-bbox="219 550 1059 1109"> <thead> <tr> <th data-bbox="219 550 409 622">Frequency</th> <th data-bbox="409 550 728 622">Sample Location and Type</th> <th data-bbox="728 550 1059 622">Parameters to be monitored</th> </tr> </thead> <tbody> <tr> <td data-bbox="219 622 409 810">Daily</td> <td data-bbox="409 622 728 810">Discharge – prior to entering the Waikato River</td> <td data-bbox="728 622 1059 810">Flow, from Datran record of pump hours, UV operation and adequate dose from Datran record.</td> </tr> <tr> <td data-bbox="219 810 409 1109">Monthly</td> <td data-bbox="409 810 728 1109">Discharge – prior to entering the Waikato River</td> <td data-bbox="728 810 1059 1109">Total Phosphorus Total Kjeldahl Nitrogen Ammoniacal Nitrogen Biochemical Oxygen Demand Suspended solids Escherichia coli</td> </tr> </tbody> </table> <p>Note: Sampling point for monthly physical samples will normally be immediately downstream from the UV equipment location on the wastewater treatment site.</p>	Frequency	Sample Location and Type	Parameters to be monitored	Daily	Discharge – prior to entering the Waikato River	Flow, from Datran record of pump hours, UV operation and adequate dose from Datran record.	Monthly	Discharge – prior to entering the Waikato River	Total Phosphorus Total Kjeldahl Nitrogen Ammoniacal Nitrogen Biochemical Oxygen Demand Suspended solids Escherichia coli	<p>Yes</p> <p>No</p> <p>Yes</p>	<p>Data is recorded for Environment Waikato, however collation and supply of data on time has been erratic. All the recorded data is supplied with this annual report in complete form.</p> <p>Maintaining an adequate UV dose has not been possible with the high algal suspended solids</p> <p>Samples are collected monthly and analysed for a range of water quality parameters. Samples were collected from both the pond outlet and post UV.</p>
Frequency	Sample Location and Type	Parameters to be monitored										
Daily	Discharge – prior to entering the Waikato River	Flow, from Datran record of pump hours, UV operation and adequate dose from Datran record.										
Monthly	Discharge – prior to entering the Waikato River	Total Phosphorus Total Kjeldahl Nitrogen Ammoniacal Nitrogen Biochemical Oxygen Demand Suspended solids Escherichia coli										
19	<p>All sample methods of analysis shall be detailed as in the "Standard Methods For The Examination of Water and Waste Water, 1998" 20th edition by A.P.H.A and A.W.W.A and W.E.F or any subsequent</p>	Yes	Samples have been analysed in accordance with approved standards.									



	Conditions	Comply Yes/No	Comments
	update or by some other method approved in advance by Waikato Regional Council.		
20	<p>The consent holder shall provide to the Waikato Regional Council, Watercare Services Limited, Ngati Naho Co-operative Society and Mercer Rowing Club Incorporated a written monitoring report by 30 Sept each year that this consent is current. As a minimum this report shall include the following:</p> <ul style="list-style-type: none"> <li>(a) all data collected as required by condition 15 of this consent for 1 April to 31 March of the preceding year;</li> <li>(b) a summary of the monitoring results required by condition 15 of this consent for 1 April to 31 March of the preceding year and a critical analysis of the information in terms of compliance and environmental effects;</li> <li>(c) a comparison of data with previously collected data identifying any emerging trends;</li> <li>(d) comment on compliance, and any reasons for non-compliance or difficulties in achieving compliance, with conditions 11 of this consent;</li> <li>(e) comment on any works that have been undertaken, or that are proposed to be undertaken in the up-coming year, to improve the environmental performance of the treatment and/or disposal system;</li> <li>(f) report on and discuss any complaints received regarding the treatment and/or discharge of treated effluent; and</li> <li>(g) any other issues considered important by the consent holder.</li> </ul>	Yes	This report will be forwarded to Environment Waikato and the groups specified in this condition.
21	The consent holder shall notify the following parties as soon as practicable and as a minimum requirement within 48 hours, of the consent holder becoming aware of the limits specified in condition 11	No	The parties specified other than Environment Waikato have not been advised of all cases where discharge outside consented times has been required due to wet weather flows.

	Conditions	Comply Yes/No	Comments
	<p>and 12 of this consent being exceeded:</p> <ul style="list-style-type: none"> <li>(a) any Resource Officer, Monitoring Officer or Programme Manager within the Resource Use Group at the Hamilton Office of the Waikato Regional Council, or equivalent personnel should those positions be superseded;</li> <li>(b) the Superintendent at the Tuakau Treatment Plant and the 24 hour control room of Watercare Services Limited, or equivalent personnel should those positions be superseded;</li> </ul> <p><b>(a)</b> The Chairman and Secretary of Mercer Rowing Club Incorporated, or persons to be nominated by the Mercer Rowing Club Incorporated.</p> <ul style="list-style-type: none"> <li>(d) The Manager, Ngati Naho Co-operative Society.</li> </ul>		
22	<p>The consent holder shall notify the following parties as soon as practicable and as a minimum requirement within 24 hours, of any accidental discharge, plant breakdown, or other circumstances which are likely to result in the limits of this consent being exceeded:</p> <ul style="list-style-type: none"> <li>(a) any Resource Officer, Monitoring Officer or Programme Manager within the Resource Use Group at the Hamilton Office of the Waikato Regional Council, or equivalent personnel should those positions be superseded;</li> <li>(b) the Superintendent at the Tuakau Treatment Plant and the 24 hour control room of Watercare Services Limited, or equivalent personnel should those positions be superseded;</li> <li>(c) The Chairman and Secretary of Mercer Rowing Club Incorporated, or persons to be nominated by the Mercer Rowing Club Incorporated.</li> </ul>	Yes	There have been no reported instances of plant breakdown or accidental discharge during the reporting period.
23	The consent holder shall, within 7 days of any incident specified in conditions 21 and 22 occurring, provide a written report to the	No	Environment Waikato has generally been advised of instances of non-compliance, although these have at times been outside the 7 days

	Conditions	Comply Yes/No	Comments
	<p>Waikato Regional Council, Watercare Services Limited Ngati Naho Co-operative Society and Mercer Rowing Club Incorporated identifying the exceedance, possible causes, steps undertaken to remedy the effects of the incident and measures that will be undertaken to ensure future compliance.</p> <p>Note: The contact numbers for the parties specified in conditions 21,22 and 23 of this consent, at the time of writing the consent, are as follows:</p> <ul style="list-style-type: none"> <li>(a) Waikato Regional Council: telephone 07 856 7184, fax 07 856 0551, post PO Box 4010 Hamilton;</li> <li>(b) Watercare Services Limited, <ul style="list-style-type: none"> <li>(i) Tuakau Treatment Plant: telephone 09 237 8700, fax 09 237 8701</li> <li>(ii) 24 hour control room: telephone 09 634 4839, fax 09 622 1215</li> <li>(iii) postal Private Bag 92802, Penrose, Auckland</li> </ul> </li> <li>(c) Mercer Rowing Club Incorporated <ul style="list-style-type: none"> <li>(i) Trevor Simpson: telephone and fax 07 826 3329, or telephone 025 953 620</li> <li>(ii) postal: c/- Club Secretary, PO Box 690, Pukekohe</li> </ul> </li> <li>(b) Ngati Naho Co-operative Society: Telephone 09 233 6735 and fax 09 233 6714  Manager: Rima Herbert: Cellphone 0274 414 485  Postal Address: P O Box 59, Meremere</li> </ul> <p>The consent holder is responsible under this consent to determine a method of maintaining current contact numbers and addresses, should they change.</p>		timeframe of the consent conditions.
24	The consent holder shall provide the Waikato Regional Council with a management plan which details the procedures that will be implemented to operate in accordance with the conditions of this resource consent.	Partial	A draft management plan for the wastewater system was submitted to Environment Waikato for approval in September 2004. This was outside the specified timeframe as required by the consent.

	Conditions	Comply Yes/No	Comments
	<p>This plan shall be lodged with the Waikato Regional Council within 6 months of the commencement of this consent, and shall be reviewed and updated as a minimum every two years that this consent is operative. The plan shall address, but may not be limited to, the following:</p> <ul style="list-style-type: none"> <li>(a) a description of the entire treatment system facility, disposal system and discharge structure;</li> <li>(b) a description of routine maintenance procedures to be undertaken;</li> <li>(c) an outline of the methods to be utilised to monitor the treatment plant in an operational sense including: <ul style="list-style-type: none"> <li>- monitoring of influent waste water</li> <li>- monitoring of treatment performance</li> </ul> </li> <li>(d) specific management procedures for the efficient functioning of the treatment system; <ul style="list-style-type: none"> <li>procedures for recording routine maintenance and all repairs that are undertaken</li> </ul> </li> <li>(e) notification procedures and contacts in case of emergencies, accidental discharge, plant breakdown, or other circumstances which are likely to result in the limits of this consent being exceeded;</li> <li>(f) chain of command for management of the plant;</li> <li>(g) contingency measures in place to deal with unusual events;</li> <li>(h) methods to update the management plan in terms of contact names and numbers in accordance with conditions 18, 19 and 20;</li> <li>(l) other actions necessary to comply with the requirements of this resource consent; and;</li> <li>(i) procedures for improving and/or reviewing the management plan.</li> </ul> <p>The consent holder shall manage the wastewater treatment and</p>		

	Conditions	Comply Yes/No	Comments
	<p>discharge in accordance with the management plan outlined in this condition. Any changes to the plan shall be confirmed in writing by the consent holder following consultation with the Waikato Regional Council.</p>		
25	<p>The consent holder shall maintain and keep a complaints register for all complaints made about the treatment and disposal site received by the consent holder. The register shall record:</p> <ul style="list-style-type: none"> <li>(a) the date, time and duration of the event/incident that has resulted in a complaint;</li> <li>(b) any corrective action undertaken by the consent holder in response to the complaint including actions taken to prevent similar events in the future;</li> <li>(c) the location of the complainant when the event was detected;</li> <li>(d) the possible cause of the event;</li> <li>(e) the weather conditions and wind direction at the site when the odour event occurred.</li> </ul> <p>The register shall be available to the Waikato Regional Council at all reasonable times. Complaints received by the consent holder which may infer non-compliance with the conditions of this consent shall be forwarded to the Waikato Regional Council within 5 days of the complaint being received.</p>	Yes	<p>A complaints register is kept by the Waikato District Council Customer First team for the recording of complaints. There have been no complaints received during the reporting period in relation to this consent.</p>
26	<p>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.</p>	Yes	<p>A sign advises the presence of the discharge.</p>
27	<p>The Waikato Regional Council may in the month following the third, sixth, and tenth anniversary of the commencement of this consent,</p>		

	<b>Conditions</b>	<b>Comply Yes/No</b>	<b>Comments</b>
	<p>serve notice on the consent holder under section 128 (1) of the Resource Management Act 1991, of its intention to review the conditions of this resource consent for the following purposes:</p> <ul style="list-style-type: none"> <li>(a) to review the effectiveness of the conditions of this resource consent in avoiding or mitigating any adverse effects on the environment, in particular effects on the Waikato River water quality, from the exercise of this resource consent and if necessary to avoid, remedy or mitigate such effects by way of further or amended conditions; or</li> <li>(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 contaminants entering the Waikato River; or</li> <li>(c) to review the adequacy of and the necessity for monitoring undertaken by the consent holder.</li> </ul> <p>Costs associated with any review of the conditions of this resource consent will be recovered from the consent holder in accordance with the provisions of section 36 of the Resource Management Act 1991.</p>		

