

Site Compliance Report

Site No: REG602801
Site Owner: Waikato District Council
Site Name: Huntly WWTP: McVie Rd, Huntly
Date: 26 February 2020

1 INTRODUCTION

The following resource consents are held for the site:

Resource Consent	Status	Description	Commenced	Expiry
AUTH119647.01.02	Current	Discharge up to 11,500 cubic metres per day of treated wastewater from the Huntly WWTP into the Waikato River	13/04/2011	31/03/2029
AUTH119648.01.01	Current	Discharge contaminants to air from activities associated with the Huntly WWTP	13/04/2011	31/03/2029
AUTH119649.01.01	Current	Use, upgrade and maintenance of an outflow pipeline structure including an outflow diffuser on the bed of the Waikato River for the discharge of treated wastewater from the Huntly WWTP	13/04/2011	31/03/2029
AUTH119650.01.01	Current	Discharge treated wastewater (via seepage) to land and groundwater from activities associated with the Huntly WWTP	13/04/2011	31/03/2029
AUTH119651.01.01	Current	Discharge treated wastewater (via flooding of wetlands during storm events) to a tributary of the Kimihia Stream from activities associated with the Huntly WWTP	13/04/2011	31/03/2029
AUTH130140.01.01	Current	To place a pipe bridge over an unnamed tributary of Lake Hakanoa in Huntly	19/09/2013	10/09/2048

This report examines the level of compliance of Waikato District Council with the selected conditions of the resource consents.

2 BACKGROUND

The Huntly wastewater treatment plant (WWTP) is operated on behalf of the community of the Huntly township and its surrounds. Waikato District Council in conjunction with Watercare Services Limited operates the facility under the resource consents issued by Waikato Regional Council and listed in the table above.

The consent holder submitted their annual report for the 2018-2019 compliance period and this report contained the following summary:

Discharge volumes from the Huntly WWTP were compliant with resource consent limits.

For the complete reporting period (Jul-Jun), Huntly WWTP achieved the consented discharge quality limits for pH, Total Phosphorous (TP), Total Nitrogen (TN), cBOD5 and E-coli.

As agreed in the 2012 resource consent review, WDC are collecting data and also investigating treatment options to meet the suspended solids consent conditions at the post-UV sampling point. CH2MBeca, along with sub-consultant The Wastewater Specialists, have undertaken a review of the

operation and maintenance of Waikato District Council's Wastewater Treatment Plants (WWTPs). This report discusses the current operational roles, how data is collected and monitored, and summarises the works completed over this reporting period (if any).

Waikato District Council (WDC) have entered into a commercial agreement where Watercare Services Ltd (WSL) this will see WSL providing all Councils waters management services to WDC under the guidance of a Waters Governance Board (WGB). This contract will be effective from 1 October 2019.

WSL will begin the process to review and get an understanding of the wastewater plants but will continue planned or reactive works as identified in the current Council Long Term Plan 2018-2028 any new initiatives or changes will be limited to budgets and works already identified for the next 21 months.

OPERATIONAL COMMENTS

Staff Maintenance Visits: An operations staff member visits the site at least twice a week.

Please see Appendix Three – Upgrades and wetlands renewal per CH2MBeca compliance investigations

FUTURE WORKS

Under WSL levels of service will be maintained as agreed but it may offer an opportunity to raise levels of service in the future.

Upgrade Proposals – Huntly

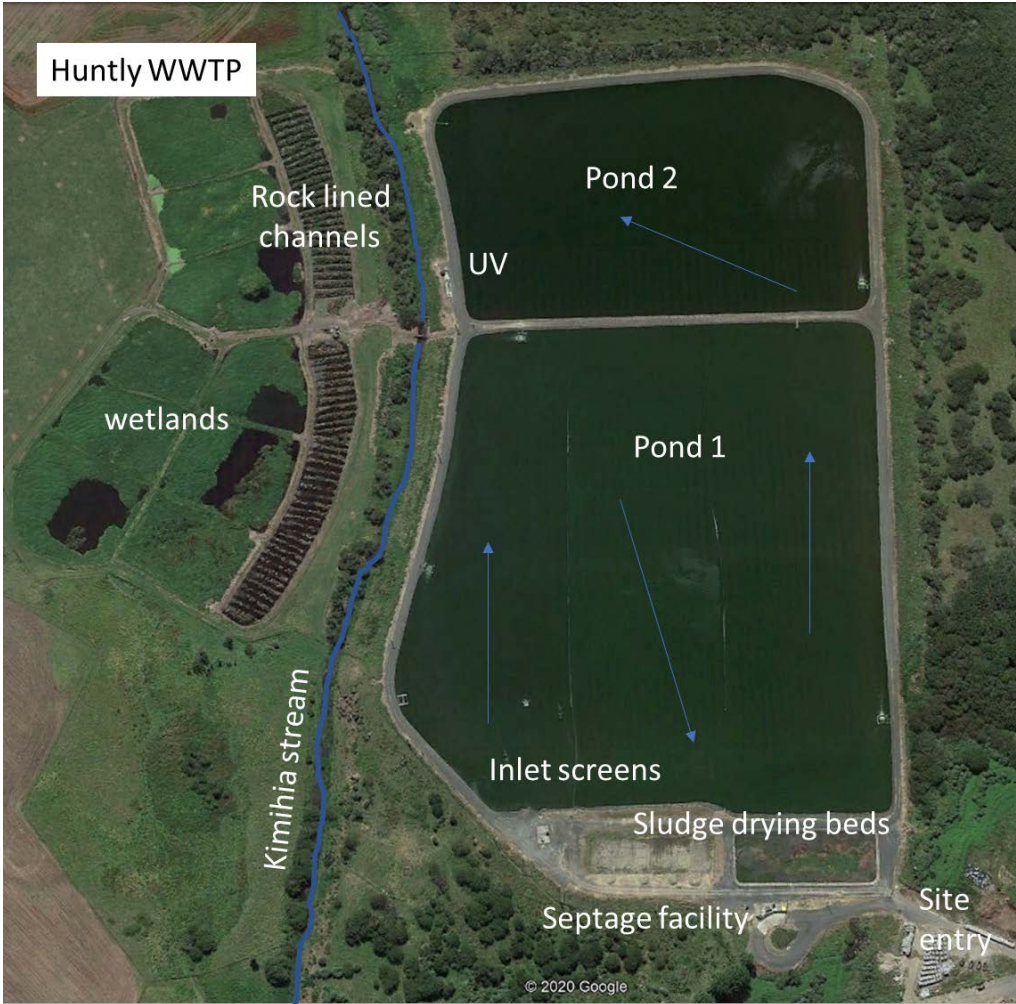
- 2009/10 Carry out maintenance on the surface-flow wetlands and decommission the gravel-bed cells.
Construct rock-lined stream after wetlands.
Modify pipeline from secondary oxidation pond to divert wastewater to pumping station in the event of severe flooding.
- 2011/12 Install curtains in secondary (maturation) pond to prevent short-circuiting.
- 2016/17 Install bottom-deployed aeration and biological growth media in the inlet zone
Install bottom-deployed aeration and biological growth media near the end of the facultative zone (primary pond).
- 2027/28 Install additional bottom-deployed aeration and biological growth media in the inlet zone.
Install additional bottom-deployed aeration and biological growth media near the end of the facultative zone.
Provide for chemical dosing for P removal.
Install filtration and UV disinfection.
- 2032/33 Install additional bottom-deployed aeration and biological growth media in the inlet zone.
Install additional bottom-deployed aeration and biological growth media near the end of the facultative zone.
Provide for additional chemical dosing for P removal.
Install additional filtration and additional UV disinfection.

“The latest revision of the “Future Proof” population predictions shows slightly higher population growth at Ngaruawahia but **significantly faster growth at Huntly**. The trigger levels and trigger points as discussed under question 4 below will take care of any change of timing resulting from the actual population (and therefore loading to the ponds) growth that occurs.

While the upgrades have proposed specific treatment processes, the actual process that is adopted and installed will be selected at the time, taking account of the most appropriate technology at that time. As an example the Bio Filtro process is one option that will probably be considered, either as a form of tertiary treatment or as a parallel treatment pathway”



Aerial photos of the Huntly WWTP and surrounds



3 COMPLIANCE ASSESSMENT

Unless otherwise specified in this document this assessment covers the period from **1 July 2018 to 30 June 2019**.

This compliance assessment has been undertaken based on the submitted annual report by the consent holder, monitoring data supplied throughout the compliance period and any site inspections undertaken. Some administration, duplicate or irrelevant conditions have been omitted for brevity.

Please note that a description of the classification system used to describe compliance status is given in Appendix 1 of this report.

AUTH119647.01.02 - Water - sewage

Activity Authorised: Discharge up to 11,500 cubic metres per day of treated wastewater from the Huntly WWTP into the Waikato River	
Condition No.	Description
1	The wastewater treatment and disposal system shall be designed, operated and maintained in general accordance with: i) The application for this resource consent; ii) The document titled "Waikato District Council Ngaruawahia and Huntly Wastewater Resource Consents Project, Resource Consents Application: Assessment of Effects on the Environment" dated March 2009 and recorded on Waikato Regional Council's document system numbered 1458402; and iii) The document titled "Waikato District Council Ngaruawahia and Huntly Wastewater Resource Consents Project, Resource Consents Application: Response to RMA Section 92(1) Requests for Further Information" dated August 2009 and recorded on Waikato Regional Council's document system numbered 1531323; subject to the resource consent conditions below, which shall prevail should any inconsistency occur between the conditions and the application documents.
Evidence	
Action Required	Full compliance
3	Notwithstanding the stated limits in conditions 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 at all times.
Evidence	
Action Required	Full compliance
4	The maximum volume of treated wastewater discharged shall not exceed 11,500 cubic metres per day.
Evidence	Maximum daily outflow reported as 3684m ³ /day
Action Required	Full compliance
6.	The consent holder shall ensure that, no later than 1 December 2012, the quality of the discharge immediately after all controlled treatment processes and before any wetlands shall comply with the following limits: i) The pH of the discharge shall not be less than 6 or greater than 9 pH units; ii) The median five day carbonaceous biochemical oxygen demand concentration shall not exceed 30 grams per cubic metre and the 90th percentile shall not exceed 60 grams per cubic metre; iii) The median suspended solids concentration shall not exceed 40 grams per cubic metre and the 90th percentile shall not exceed 100 grams per cubic metre; The monitoring point for suspended solids shall be at the outlet from the gravel beds until 30 November 2016. From 1 December 2016 the median suspended solids concentration shall not exceed 30 grams per cubic metre. iv) The median ammoniacal-nitrogen concentration shall not exceed 10 grams per cubic metre and the 90th percentile shall not exceed 20 grams per cubic metre; v) The median total nitrogen (TN) concentration shall not exceed 25 grams per cubic metre; vi) The median summer (December to May inclusive) total nitrogen (TNsummer) concentration shall not exceed 20 grams per cubic metre; vii) The median summer (December to May inclusive) total nitrogen load (TNload) for Ngaruawahia Wastewater Treatment Plant and Huntly Wastewater Treatment Plant combined shall not exceed 57 kilograms per day; viii) The median total phosphorus (TP) concentration shall not exceed 8 grams per cubic

	<p>metre; ix) The median summer (December to May inclusive) total phosphorus (TPsummer) concentration shall not exceed 8 grams per cubic metre; x) The median summer (December to May inclusive) total phosphorus load (TPload) for Ngaruawahia Wastewater Treatment Plant and Huntly Wastewater Treatment Plant combined shall not exceed 17.3 kilograms per day; xi) The median Escherichia coli (E-coli) concentration in any 12 month period shall not exceed 126 cfu per100 millilitres. For the purposes of this condition, to determine compliance with the median limits (excluding E.coli) no more than six samples in any 12 consecutive monthly samples over the period 1 July to 30 June each year shall exceed the specified limit. To determine compliance with the summer median limits, no more than 3 of the 6 monthly samples in any given summer (December to May) shall exceed the specified limit. To determine compliance with the median E.coli limit, no more than 26 samples in any 52 consecutive weekly samples shall exceed the specified limit. To determine compliance with the 90th percentile limits, no more than one sample in any ten consecutive monthly sampling events shall exceed the specified limit. Note: The discharge of treated wastewater to the Waikato River from the Ngaruawahia Wastewater Treatment Plant is authorised by consent 119642.</p>
<p>Evidence</p>	<p>i) The pH of the discharge shall not be less than 6 or greater than 9 pH units; - NON compliant, some data missing.</p> <p>ii) The median five-day carbonaceous biochemical oxygen demand concentration shall not exceed 30 grams per cubic metre and the 90th percentile shall not exceed 60 grams per cubic metre; - compliant</p> <p>iii) The median suspended solids concentration shall not exceed 40 grams per cubic metre and the 90th percentile shall not exceed 100 grams per cubic metre; The monitoring point for suspended solids shall be at the outlet from the gravel beds until 30 November 2016. From 1 December 2016 the median suspended solids concentration shall not exceed 30 grams per cubic metre. - Non-compliant with new median of 30g/m³ - result 39.4g/m³. Compliant with the 90%ile limit - result 70.8g/mg</p> <p>iv) The median ammoniacal-nitrogen concentration shall not exceed 10 grams per cubic metre and the 90th percentile shall not exceed 20 grams per cubic metre; - Non-compliant with median and 90%ile limits.</p> <p>v) The median total nitrogen (TN) concentration shall not exceed 25 grams per cubic metre; - compliant - result 23g/m³</p> <p>vi) The median summer (December to May inclusive) total nitrogen (TNsummer) concentration shall not exceed 20 grams per cubic metre; - Compliant with result of 13.95g/m³</p> <p>vii) The median summer (December to May inclusive) total nitrogen load (TNload) for Ngaruawahia Wastewater Treatment Plant and Huntly Wastewater Treatment Plant combined shall not exceed 57 kilograms per day; - compliant combined amount is 31.75g/m³</p> <p>viii) The median total phosphorus (TP) concentration shall not exceed 8 grams per cubic metre; - compliant result 2.7g/m³</p> <p>ix) The median summer (December to May inclusive) total phosphorus (TPsummer) concentration shall not exceed 8 grams per cubic metre; - compliant - result of 2.2g/m³</p> <p>x) The median summer (December to May inclusive) total phosphorus load (TPload) for Ngaruawahia Wastewater Treatment Plant and Huntly Wastewater Treatment Plant combined shall not exceed 17.3 kilograms per day; - compliant result 2.3kg/day</p> <p>xi) The median Escherichia coli (E-coli) concentration in any 12 month period shall not exceed 126 cfu per100 millilitres. For the purposes of this condition, to determine compliance with the median limits (excluding E.coli) no more than six samples in any 12 consecutive monthly samples over the period 1 July to 30 June each year shall exceed the specified limit.</p> <p>To determine compliance with the summer median limits, no more than 3 of the 6 monthly samples in any given summer (December to May) shall exceed the specified limit.</p> <p>To determine compliance with the median E.coli limit, no more than 26 samples in any 52 consecutive weekly samples shall exceed the specified limit. - compliant 14 samples of 52 have exceeded limit.</p>

	To determine compliance with the 90th percentile limits, no more than one sample in any ten consecutive monthly sampling events shall exceed the specified limit.	
Status Reasoning	Failure to comply with pH (90%ile), suspended solids (median now set at 20g/m ³) and ammoniacal nitrogen (median & 90%ile) limits	
Action Required	Please investigate and report what actions WDC intends to take to improve the discharge quality of selected determinants to within compliant limits. (pH, suspended solids, ammoniacal nitrogen)	Medium priority non-compliance
9	At least one month prior to decommissioning the gravel filters, the consent holder shall provide a Management Plan to the Waikato Regional Council which details as a minimum how the decommissioning works and construction of the rock-lined channel will be undertaken, the design plan for the rock-lined channel, and how compliance will be achieved with condition 8. Note: The Waikato Regional Council reserves the right to make comment on the Management Plan submitted and any subsequent changes to the Management Plan.	
Evidence	The Huntly WWTP Gravel Beds Modifications Plan and associated documents were provided to WRC on 30 May 2014.	
Status Reasoning		
Action Required		Full compliance
10	Should the measured median concentration or 90th percentile concentration for either five day carbonaceous biochemical oxygen demand, suspended solids, or ammoniacal-nitrogen exceed 90% of the consented limits, as specified in condition 6 of this consent, for 2 of 3 consecutive years then a “trigger” level will be met. The consent holder shall design, build and commission the appropriate upgrade to the treatment process within two years after the “trigger” level is reached. The upgrade undertaken shall be designed to reduce the median or 90th percentile concentration, as applicable, for the parameter for which the trigger was reached to less than 80% of the consented limit for that parameter.	
Evidence	<p>2018/2019</p> <p>iii) The median suspended solids concentration shall not exceed 40 grams per cubic metre and the 90th percentile shall not exceed 100 grams per cubic metre; The monitoring point for suspended solids shall be at the outlet from the gravel beds until 30 November 2016. From 1 December 2016 the median suspended solids concentration shall not exceed 30 grams per cubic metre. - NON-COMPLIANT median reported was 35.2g/m</p> <p>2017/2018</p> <p>WDC must design, build and commission the appropriate upgrade to the treatment process to reduce the 90%ile concentration being discharged of ammoniacal nitrogen to 80% of the concentration limit of 20.0g/m³ (16g/m³) by 31 January 2019.</p> <p>– Still pending see section 2.2 above</p> <p>2016/2017</p> <p>iii) The median for total suspended solids limit has been reduced as of 1 December 2016 to a value of 30g/m³ therefore the reported median is outside of the consented limits. 90%ile is also outside of consent limits with a reported value of 109.7g/m³.</p>	
Status Reasoning	<p>3 out of 4 of the last 4 audits have included failures in the suspended solids limits. if three consecutive audits show non-compliance against suspended solids then the trigger for this condition will be activated.</p> <p>The trigger levels were exceeded for ammoniacal nitrogen in the 2017/2018 audit however the upgrade and subsequent improvement in compliance with this determinant has not yet been met.</p>	

Action Required	Please ensure you take action to prevent the suspended solids limits being breached for 3 consecutive years. Please provide evidence of any upgrades to the WWTP to reduce the level of ammoniacal nitrogen to compliant limits as per previous audits.	Low priority non-compliance
11	Should the measured median concentration for total nitrogen (TN), total phosphorus (TP) or E.coli exceed 90% of the consented limits, as specified in condition 6 of this consent, for 2 of 3 consecutive years then a “trigger” level will be met. The consent holder shall design, build and commission the appropriate upgrade to the treatment process within two years after the “trigger” level is reached. The upgrade undertaken shall be designed to reduce the median for the parameter for which the trigger was reached to less than 80% of the consented limit for that parameter.	
Evidence	Ammoniacal nitrogen trigger limit has been exceeded for median and 90%ile. Total Suspended solids trigger limit for median has been exceeded.	
Status Reasoning	Consecutive years component has not yet been met for suspended solids however the trigger levels for ammoniacal nitrogen have been in place since 2017. The consent holder was required to undertake an upgrade in order to meet a new lower limit of 16g/m ³ for ammoniacal nitrogen.	
Action Required	Undertake actions to meet the new condition limit of 16g/m ³ of ammoniacal nitrogen a per condition 10	Low priority non-compliance
12	Should the measured median summer (December to May inclusive) mass load for either total nitrogen (TNload) or total phosphorus (TPload) for Huntly and Ngaruawahia combined reach 90% of the consented limit, as specified in condition 6 of this consent, for 2 of 3 consecutive summer periods then a “trigger” level will be met. The consent holder shall design, build and commission the appropriate upgrade to the treatment process within two years after the “trigger” level is reached. The upgrade undertaken shall be designed to reduce the combined summer mass load of the nutrient for which the trigger was reached to less than 80% of the consented limit for that parameter.	
Evidence	<p>The consent holder states:</p> <p><i>The treated wastewater did not exceed the trigger consent limits.</i></p> <p>TN 31.8 which is 56% of total limit of 57kg/day</p> <p>TP 2.3 which is 13% of total limit of 17.3kg/day</p>	
Status Reasoning		
Action Required		Full compliance
13	Unless otherwise agreed with the Waikato Regional Council in writing, the consent holder shall ensure that the treatment system is upgraded in accordance with the application documentation to the satisfaction of Waikato Regional Council.	
Evidence	<p>Upgrade Proposals – Huntly</p> <p>2009/10</p> <ul style="list-style-type: none"> • Carry out maintenance on the surface-flow wetlands and decommission the gravel-bed cells.- COMPLIANT • Construct rock-lined stream after wetlands. -COMPLIANT • Modify pipeline from secondary oxidation pond to divert wastewater to pumping station in the event of severe flooding. - ASSUMED NON-COMPLIANT <p>2011/12</p>	

	<ul style="list-style-type: none"> Install curtains in secondary (maturation) pond to prevent short-circuiting. - NON-COMPLIANT <p>2016/17</p> <ul style="list-style-type: none"> Install bottom-deployed aeration and biological growth media in the inlet zone - NON-COMPLIANT Install bottom-deployed aeration and biological growth media near the end of the facultative zone (primary pond).- NON COMPLIANT 	
Status Reasoning	The items listed above were proffered by the consent holder as part of their application package. Some items have been undertaken however it is unknown whether all items of upgraded equipment have been installed as required within the set timeframes.	
Action Required	Please confirm whether the upgrade items listed have been installed as required within their timeframes.	Low priority non-compliance
14	The consent holder shall continuously monitor the flow rate of wastewater entering and leaving the treatment plant and shall record the total daily influent and discharge volumes.	
Evidence		
Action Required		Full compliance
15	The consent holder shall continuously monitor and record rainfall at the site on a daily basis.	
Evidence	<p>No data on rainfall at this site has been submitted to WRC.</p> <p>WDC states: <i>An on-line weather station has been installed at the Huntly WWTP.</i></p>	
Status Reasoning		
Action Required	Please ensure that rainfall data is included in all monthly reports from now on	Minor technical non-compliance
16	The consent holder shall, prior to January each year, calculate the ratio of daily Peak Wet Weather Flow (PWWF) to Average Dry Weather Flow (ADWF). Where the ratio of PWWF to ADWF exceeds 4.5, the consent holder shall prepare an Infiltration Management Plan and provide this to Waikato Regional Council for review prior to implementation. For the purposes of this condition, calculation of ADWF will be taken as the median daily wastewater flow measured at the inlet to the oxidation pond during the month of March for the preceding year.	
Evidence	WDC has provided a ratio figure of 4.1 which is compliant. this figure has not been assessed or confirmed by WRC.	
Action Required		Full compliance
17	The consent holder shall undertake an investigation into the extent and magnitude of ammoniacal-nitrogen in the wastewater discharge plume in the Waikato River during low flow conditions. Sampling of ammoniacal-nitrogen shall, as a minimum, be conducted mid-column at six sites below the discharge outfall on three occasions over the summer period (when flows are low). The frequency of monitoring may be reviewed after a minimum of three years of data has been collected, upon request to and approval by a Programme Manager in the Resource Use Group of Waikato Regional Council.	
Evidence	<p>The consent holder states in their annual report that:</p> <p><i>This programme commenced during the 2012/13 summer and was followed up in the 2013/14 and 2014/15 summers. A full report was submitted to WRC on 30 May 2014.</i></p>	

	<p><i>The 2014 and 2015 reports concluded that:</i></p> <p><i>o The Huntly WWTP discharge was not causing any marked increase in the ammoniacal-nitrogen concentrations at the time of sampling, during low river flow.</i></p> <p><i>o The discharge plume ammoniacal-nitrogen concentrations were well below the Waikato Regional Plan standards.</i></p> <p><i>o WDC requests that this testing ceases based on the findings of the reports.</i></p>
Status Reasoning	The consent holder has previously requested that this sampling requirement cease. An assessment of previous data by WRC principal scientist Bill Vant to ensure cessation will not lead to any further adverse effects. It was agreed to suspend the sampling of ammoniacal nitrogen in the river to NOT to cease the sampling. The sampling will be suspended until further notice.
Action Required	WRC has given permission to suspend the sampling for ammoniacal nitrogen in the river until further notice. Full compliance
18	The consent holder shall define a sampling location or locations and the sampling method or methods to be used for monitoring the parameters in conditions 5, 6 and 17. The location(s) and method(s) used for the sampling shall be to the satisfaction of Waikato Regional Council.
Evidence	
Action Required	Full compliance
19	The consent holder shall take grab samples of the treated wastewater on a monthly basis, from the sampling location specified in condition 18 of this consent, for the purpose of determining compliance with conditions 5 and 6. E.coli grab samples shall be taken on a weekly basis.
Evidence	
Status Reasoning	
Action Required	Full compliance
20	All wastewater quality analyses shall be undertaken by an IANZ accredited or equivalent laboratory. All methods used shall be appropriate for the wastewater analyses undertaken.
Evidence	
Status Reasoning	
Action Required	Full compliance
21	The consent holder shall prepare an Operations and Management Plan. This Plan shall be prepared by a suitably qualified and experienced person and shall detail how the treatment and disposal system is to be operated and maintained to ensure compliance with the conditions of this consent and consents 119648, 119649, 119650 and 119651. As a minimum the Plan shall include the following matters: i) A description of the wastewater treatment plant including as-built plans for the wastewater treatment facilities; ii) A description of the sequence, timing and methods of construction of upgrades to the treatment plant; iii) A description and schedule of the routine inspection, monitoring and maintenance procedures to be undertaken to ensure effective plant operation; iv) A schedule of monitoring to be carried out to ensure effective plant operation and compliance with consent conditions; v) A sampling location plan; vi) A schedule of the treatment plant critical aspects and the detailed response and contingency plans to address anticipated variations from normal plant operation; vii) Procedures for recording routine maintenance and all repairs that are undertaken; viii) Chain of command, responsibility and notification protocols; ix) The current infiltration management plan; x) Procedures for improving and/or reviewing the plant management plan. This Plan shall be lodged with Waikato Regional Council within six months of commencement of this consent, and shall be reviewed and updated annually and as required as a result of any changes in plant operation or management. An electronic copy of the management plan shall be provided to Waikato Regional Council within 10 working days of a request to do so. Advice note: The Waikato Regional Council reserves the right to make comment on the Operations and Management Plan submitted and any subsequent changes to the Plan.
Evidence	O&M plan (doc number 3516604) was submitted to WRC on 5 December 2014. No review or updated version has been submitted to WRC since 2014.

	<p>the consent holder states that:</p> <p><i>Section 4 of the O&M plan refers to the management structure.</i></p>	
Status Reasoning	The O&M plan "shall be reviewed and updated annually and as required as a result of any changes in plant operation or management". It is highly likely that the operation and management of the WWTP has changed significantly since 2014 and a review of the plan is overdue.	
Action Required	Please undertake a review and update the O&M plan	Minor technical non-compliance
22	The treatment system and discharge to the Waikato River shall be operated, maintained and managed by appropriately experienced personnel in accordance with the Operations and Management Plan pursuant to condition 21 of this consent.	
Evidence		
Status Reasoning		
Action Required		Full compliance
23	The consent holder shall ensure contractors are made aware of the conditions of this resource consent and ensure compliance with those conditions.	
Evidence	All contractors employed at the treatment site are inducted in both health and safety procedures and relevant conditions of this consent.	
Status Reasoning		
Action Required		Full compliance
24	In conjunction with consent 119648, the consent holder shall maintain and keep a Complaints Register for all complaints made about the treatment and discharge operations received by the consent holder. The Register shall record: i) The date, time and duration of the event/incident that has resulted in the complaint; ii) The location of the complainant when the event/incident was detected; iii) The possible cause of the incident; iv) The weather conditions and wind direction at the site when the incident allegedly occurred, if significant to the complaint; v) Any corrective action undertaken by the consent holder in response to the complaint. The Register shall be made 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 working days of the complaint being received.	
Evidence	Council's CRM database records all complaints from the public please see Appendix Two for WW related queries or complaints for the 18-19 year.	
Status Reasoning		
Action Required		Full compliance
25	The consent holder shall place and maintain 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 against the use of the location for swimming.	
Evidence	A sign is located in the vicinity of the discharge that alerts and warns people of the presence of the wastewater discharge.	
Status Reasoning		
Action Required		Full compliance
26	The consent holder shall be responsible for any erosion that occurs as a result of the exercise of this consent and for any erosion works that become necessary to preserve the integrity and stability of the banks of the Waikato River. Note: A separate resource consent may be required as a result of the need to undertake erosion control works. Any such consent shall be obtained by the consent holder at their sole expense prior to any works being undertaken.	

Evidence	There are no current issues regarding erosion at the Huntly discharge site.	
Status Reasoning		
Action Required		Full compliance
27	The discharge to the Waikato River shall be via a multi-port diffuser located on the bed of the Waikato River.	
Evidence	The Huntly discharge is via a multi-port diffuser. Ports 2, 4, 6 and 8 are blocked off.	
Status Reasoning		
Action Required		Full compliance
28	Ports 2, 4, 6 and 8 of the diffuser, as numbered from the true right bank of the Waikato River, shall remain closed unless specifically permitted in writing by the Waikato Regional Council.	
Evidence	The Huntly discharge is via a multi-port diffuser. Ports 2, 4, 6 and 8 are blocked off.	
Status Reasoning		
Action Required		Full compliance
29	The consent holder shall maintain the outfall diffuser in an operational state such that the discharge from ports 1, 3, 5, 7 and 9 is uniform along the operational length of the diffuser and providing effective dispersion of the wastewater in the river flow.	
Evidence	The Huntly discharge is via a multi-port diffuser. Ports 2, 4, 6 and 8 are blocked off.	
Status Reasoning		
Action Required		Full compliance
30	The consent holder shall undertake a survey of the diffuser at six monthly intervals to demonstrate compliance with conditions 28 and 29 of this consent. The frequency of the surveys may be reduced to no less than every two years following written request to and approval from the Waikato Regional Council. The results of each survey and any recommendation as to the frequency of future surveys shall be provided to the Waikato Regional Council within 30 days of the survey.	
Evidence	No Dive survey report has been submitted to WRC since May 2017	
Status Reasoning	WDC must undertake a survey of the diffuser at six monthly intervals to demonstrate compliance with conditions 28 and 29 of this consent.	
Action Required	Please undertake dive surveys as required	Minor technical non-compliance
31	The consent holder shall forward the results of the monitoring undertaken pursuant to conditions 14, 15, 17 and 19 to the Waikato Regional Council, via electronic means, within one month of receipt of the results by the consent holder.	
Evidence	<p>Monthly reports are submitted as required.</p> <p><i>Implementation of WaterOutlook reporting at Council has allowed this process to be automated, beginning 2016/17.</i></p> <p>However WRC staff have now been granted read only access to the Wateroutlook system</p>	

Status Reasoning	
Action Required	Full compliance
32	The consent holder shall provide to the Waikato Regional Council, Waikato-Tainui Te Kauhanganui Incorporated (Claims and Environmental unit) and the Hopuhopu Manawhenua Roopu a written report by 30 September each year, addressing the following: i) A summary of the monitoring results required by conditions of this resource consent for the year ending 30 June; ii) Critically analyse the monitoring data collected and comment on any emerging trends; iii) Comment on compliance with the conditions of this resource consent; iv) Any reasons for non-compliance or difficulties in achieving compliance with the conditions of this resource consent and a description of and a summary of the efficacy of any remedial works undertaken; v) Comment on infiltration rates and any remedial works planned and the efficacy of these works in subsequent reports; vi) Any other issue considered relevant to the consent holder. A quarterly report shall be prepared and distributed at the end of March, June and December of each year. These progress reports shall address the monitoring results for the preceding 12 months, including the rolling 12 month median value. The reports shall be distributed to Waikato Regional Council, Waikato-Tainui Te Kauhanganui Incorporated (Claims and Environmental unit) and the Hopuhopu Manawhenua Roopu.
Evidence	The consent holder states in their annual report: <i>This report, the attached spreadsheet and the consent summary report are submitted in compliance with this condition.</i> <i>WaterOutlook reporting at Council has allowed monthly discharge quality reporting to be automated.</i>
Status Reasoning	
Action Required	Full compliance
33	The consent holder shall notify the Waikato Regional Council within 24 hours (where practicable) of the consent holder becoming aware of the limits specified in conditions 4, 5 and 6 of this resource consent being exceeded, or any accidental discharge, plant breakdown or other circumstance which is likely to result in the limits of this consent being exceeded. The consent holder shall, within 10 working days of the incident occurring, provide a written report to the Waikato Regional Council, identifying the breach, possible causes and steps to ensure future compliance.
Evidence	The consent holder states in their annual report: <i>The WaterOutlook reports are forwarded to WRC.</i> <i>Incidents have been reported as required.</i>
Status Reasoning	
Action Required	Full compliance
34	The consent holder shall as soon as reasonably practicable, notify the Waikato District Council (Community Assets – Operations Unit), Watercare Services Limited, and the Waikato Regional Council of an event that may in itself, or as a consequence of an event, have a significant adverse effect on the quality of the water within the Waikato River at the abstraction points of the Te Kauwhata and Tuakau (Auckland) Water Supplies. The consent holder shall record the reasons why the situation occurred, the actions taken by the consent holder and an assessment of what measures can be adopted in the future to minimise such occurrences and upon written request from the Waikato Regional Council provide a report to the Waikato Regional Council and the Medical Officer of Health addressing this matter.
Evidence	The consent holder states in their annual report: <i>Water abstraction parties are notified of discharges to the Kimihia Stream</i>
Status Reasoning	
Action Required	Full compliance

35	<p>The consent holder shall monitor the actual performance of the Huntly WWTP in respect to the median summertime mass-load of nutrients and of the Huntly WWTP in respect of all other parameters for the period from 1 December 2012 to 31 May 2015 (three summer seasons). i) Immediately following 31 May 2015 the consent holder shall review the performance and review the options for upgrading the treatment processes, all in consultation with Waahi Whaanui Trust and Waikato-Tainui Kauhanganui Incorporated. The preferred upgrade option shall be determined and reported to Waikato Regional Council not later than 31 October 2015. ii) The preferred upgrade option shall be constructed and commissioned not later than 30 November 2016. iii) The 2015 review shall include consideration of the future of both the surface-flow and the subsurface-flow wetland cells, based on the monitored performance and the decision in relation to the preferred upgrade option, all in consultation with Waahi Whaanui Trust and Waikato-Tainui Kauhanganui Incorporated. iv) The 2015 review shall also give consideration to the ongoing appropriateness of the median combined summertime mass-load limits for Total Nitrogen and Total Phosphorous from Huntly WWTP, taking account of the actual performance of the two plants from 1 December 2012 to 31 May 2015 and any changes in the environmental objectives for the Waikato River after 31 March 2011. v) Recommendation whether the wetlands should remain in the treatment process or be decommissioned and the reasons for this decision; vi) A plan for the decommissioning or alteration of the wetland, should the conclusion be that the wetlands should be decommissioned or altered in some way.</p>
Evidence	The combined mass loadings are compliant with the consented limits.
Status Reasoning	
Action Required	Full compliance
36	<p>Waikato District Council shall retain suitably qualified persons to review the findings outlined in Appendix 5 "Alternatives Study" of the AEE, recorded on Waikato Regional Council's document system numbered 1458402, at intervals as below. The investigations shall include the feasibility, technology and economics of alternative collection, treatment and disposal systems for wastewater including land-based disposal options. The reviews shall be carried out in consultation with Waikato-Tainui Te Kauhanganui Incorporated (Claims and Environmental unit) and the Hopuhopu Manawhenua Roopu and the findings of the reviews shall be adopted by Waikato District Council for the proposed upgrade of the treatment system. The first review shall focus on alternative treatment options for removal of algae from the effluent after the pond systems and UV disinfection prior to the proposed rock-lined channel. The review shall include (but not be limited to) consideration of sand filter, Bio-Filtro and an algae treatment system that has been identified by Hopuhopu Manawhenua Roopu. This review shall be completed and reported to the Waikato Regional Council, Waikato-Tainui Te Kauhanganui Incorporated (Claims and Environmental unit) and the Hopuhopu Manawhenua Roopu not later than 30 September 2011. The second review shall consider all aspects the matters listed in condition 35 above. The third review shall cover the same matters and options as the second review and shall be completed and reported to Waikato Regional Council, Waikato-Tainui Te Kauhanganui Incorporated (Claims and Environmental unit) and the Hopuhopu Manawhenua Roopu not later than 31 March 2022. Note: Commissioning of any treatment upgrade is subject to condition 13.</p>
Evidence	<p>The consent holder states in their annual report:</p> <p><i>The second treatment review report was completed on the 29 September 2015.</i></p> <p><i>The third review is due before 31 March 2022.</i></p>
Status Reasoning	
Action Required	Full compliance
37	<p>The consent holder shall, by 30 September 2015 and every five years thereafter, submit to Waikato Regional Council a wastewater treatment system review report, the scope of which shall include: i) An analysis of the performance of the treatment system with respect to the initial plant design; ii) Identification of any deficiencies in the plant design or operation and the measures that are or have been undertaken to address these deficiencies and the anticipated (or actual) improvements in treated wastewater quality; iii) Timetable for the treatment plant capital upgrade to cater for actual population growth; iv) A review of the trend in the combined contribution made by the Ngaruawahia and Huntly wastewater discharges to the Total Nitrogen and Total Phosphorus load in the Waikato River at Mercer Bridge since the granting of this consent.</p>

Evidence	The first treatment review report was completed on the 29 September 2015.	
	The third review is due before 31 March 2022.	
Status Reasoning	technical error in submission dates which should be for a third review of the treatment review report is due by 29 September 2020 (i.e. five years after the previous review)	
Action Required	Please ensure the third treatment review is undertaken by 29 September 2020	Minor technical non-compliance
38	The Waikato Regional Council may, in the six month period following 30 September 2015 and every five years thereafter, serve notice on the consent holder under section 128(1) of the Resource Management Amendment Act (1991), of its intention to review the conditions of this resource consent for the following purposes: i) 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; or ii) To review the adequacy of and the necessity for monitoring undertaken by the consent holder and specifically to review the frequency of record keeping and the method of record collection for the purposes of determining the most appropriate method and frequency; or iii) 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; or iv) To review the conditions of this resource consent to ensure the exercise of this resource consent is not inconsistent with the Vision and Strategy of the Waikato-Tainui Raupatu Claims Waikato River Settlement Act 2010 (Schedule 2 – Vision and strategy for Waikato River) and if necessary to address any such inconsistencies by way of further or amended conditions. Note: 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.	
Evidence		
Status Reasoning		
Action Required	A review of the conditions of this consent is available to WRC between 1 October 2020 and 31 March 2021.	Not assessed
Authorisation Compliance: Partial compliance		

AUTH119648.01.01 - Air - odour

Activity Authorised: Discharge contaminants to air from activities associated with the Huntly WWTP		
Condition No.	Description	
1	The discharge to air shall be undertaken in general accordance with: i) The application for this resource consent; ii) The document titled “Waikato District Council Ngaruawahia and Huntly Wastewater Resource Consents Project, Resource Consents Application: Assessment of Effects on the Environment” dated March 2009 and recorded on Waikato Regional Council’s document system numbered 1458402; and iii) The document titled “Waikato District Council Ngaruawahia and Huntly Wastewater Resource Consents Project, Resource Consents Application: Response to RMA Section 92(1) Requests for Further Information” dated August 2009 and recorded on Waikato Regional Council’s document system numbered 1531323; subject to the conditions below which shall prevail should any inconsistency occur between the conditions and the above documents.	
Evidence		
Status Reasoning		
Action Required		Full compliance
2	The consent holder shall ensure contractors are made aware of the conditions of this resource consent and ensure compliance with those conditions.	
Evidence	All contractors employed at the treatment site are inducted in both health and safety procedures and relevant conditions of this consent.	

Status Reasoning	
Action Required	Full compliance
4	The operation, management and maintenance of the Huntly Wastewater Treatment Plant shall not result in any objectionable odours at or beyond the boundary of the properties on which the treatment plant is located.
Evidence	No odour complaints have been notified by the consent holder or received by WRC during this compliance period
Status Reasoning	
Action Required	Full compliance
5	There shall be no discharge of airborne contaminants as a result of the activities authorised by this resource consent to the extent that it causes an adverse effect at or beyond the boundary of the subject property on which the treatment plant is located. Note: For the purpose of this consent, the Waikato Regional Council will use the guidelines for assessment in chapter 6.4 of the Waikato Regional Plan to determine whether adverse effects are occurring from the discharge of odour or particulate matter.
Evidence	
Status Reasoning	
Action Required	Full compliance
6	The consent holder shall prepare an Odour Management Plan. This Plan shall be prepared by a suitably qualified and experienced person and shall detail the methods and operational procedures adopted by the consent holder to ensure compliance with the conditions of this consent. The Plan may form part of the Operations and Management Plan specified in consent 119647. As a minimum the Odour Management Plan shall address the following matters: i) A description of the entire wastewater treatment facility; ii) A description of routine inspection, monitoring and maintenance procedures to be undertaken to ensure effective plant operation and compliance with consent conditions; iii) Details of operational and maintenance procedures to minimise odour release from the inlet screen; iv) Details of operational and maintenance procedures to minimise odour release from the oxidation pond; v) Details of operational and maintenance procedures to minimise odour release during pond desludging and pond sludge drying and handling; vi) Details of contingency plans and procedures to address power or equipment failure at the treatment plant; vii) Details of the odour complaints procedure, record keeping and response procedure. This Plan shall be lodged with Waikato Regional Council within six months of commencement of this consent, and shall be reviewed and updated annually and as required as a result of any changes in plant operation or management. An electronic copy of the management plan shall be provided to Waikato Regional Council within 10 working days of a request to do so. Note: The Waikato Regional Council reserves the right to make comment on the Operations and Management Plan submitted and any subsequent changes to the Plan.
Evidence	see doc ref 2400081. the Odour management of the site is contained in the O&M plan under section 11.4 to 11.6 11.4 Monitoring for Odour All management and operations staff of Council should be tasked with carefully "sniffing" in order to detect any bad odours whenever they visit the plant. They should be required to record any bad odour detected, the exact location where the odour was detected and the likely source of the odour, and to report the event to the Treatment and Services Team Leader as soon as possible – at least on the same day. During the hot summer period a staff member should be tasked to visit the site on a still clear early morning at least once each month to "sniff" around to see if there is any bad odour trapped by an atmospheric inversion and pervading across the neighbourhood. These visits should be recorded, noting date and time of the visit, whether any odour was detected or not. If any bad odour is detected the staff member should endeavour to discover the likely source and cause of the odour and include that information in their report.

Status Reasoning	<p>the O7M plan does not contain all of the relevant items listed in the condition, namely:</p> <p>i) A description of the entire wastewater treatment facility; - compliant</p> <p>ii) A description of routine inspection, monitoring and maintenance procedures to be undertaken to ensure effective plant operation and compliance with consent conditions; - compliant</p> <p>iii) Details of operational and maintenance procedures to minimise odour release from the inlet screen; - compliant</p> <p>iv) Details of operational and maintenance procedures to minimise odour release from the oxidation pond; - compliant</p> <p>v) Details of operational and maintenance procedures to minimise odour release during pond desludging and pond sludge drying and handling; - non-compliant, no details of pond de-sludging could be found in the O&M plan on file.</p> <p>vi) Details of contingency plans and procedures to address power or equipment failure at the treatment plant; - compliant</p> <p>vii) Details of the odour complaints procedure, record keeping and response procedure.- compliant</p>	
Action Required	<p>Please include details of operational and maintenance procedures to minimise odour release during pond desludging and pond sludge drying and handling in the next O&M plan review</p>	<p>Minor technical non-compliance</p>
7	<p>In conjunction with consent 119647, the consent holder shall maintain and keep a Complaints Register for all complaints made about the treatment and discharge operations received by the consent holder. The Register shall record: i) The date, time and duration of the event/incident that has resulted in the complaint; ii) The location of the complainant when the event/incident was detected; iii) The possible cause of the incident; iv) The weather conditions and wind direction at the site when the incident allegedly occurred; v) Any corrective action undertaken by the consent holder in response to the complaint. The Register shall be made 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 working days of the complaint being received.</p>	
Evidence	<p>Council's CRM database records all complaints from the public please see Appendix Two for WW related queries or complaints for the 18-19 year.</p>	
Status Reasoning		
Action Required		<p>Full compliance</p>
8	<p>The consent holder shall notify the Waikato Regional Council of any incident, including power, mechanical or process failure, leading to a significant emission of odour from the plant, within 24 hours of the incident being brought to the attention of the consent holder, or the next working day. A written report shall be forwarded to the Waikato Regional Council within seven working days of the event occurring describing the incident, the reasons for it occurring, its consequences (including the nature of any complaints), the measures taken to remedy or mitigate its effects, and any measures taken to prevent a recurrence of the event, including any changes proposed to the Odour Management Plan.</p>	
Evidence	<p>The consent holder states in their annual report "that Incidents have been reported as required".</p>	
Status Reasoning		
Action Required		<p>Full compliance</p>
9	<p>The Waikato Regional Council may, in the six month period following 30 September 2015 and every five years thereafter, serve notice on the consent holder under section 128 of the Resource Management Act 1991, of its intention to review the conditions of this resource consent for the following purposes: i) 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</p>	

	conditions; or ii) To review the adequacy of and the necessity for monitoring undertaken by the consent holder and specifically to review the frequency of record keeping and the method of record collection for the purposes of determining the most appropriate method and frequency; or iii) If necessary and appropriate, to require the consent holder to adopt the best practicable option to remove or reduce adverse effects on the surrounding environment; or iv) To review the conditions of this resource consent to ensure the exercise of this resource consent is not inconsistent with the Vision and Strategy of the Waikato-Tainui Raupatu Claims Waikato River Settlement Act 2010 (Schedule 2 – Vision and strategy for Waikato River) and if necessary to address any such inconsistencies by way of further or amended conditions. Note: 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.	
Evidence		
Status Reasoning		
Action Required	A review period is available at this time.	Not assessed
Authorisation Compliance:		Full compliance

AUTH119649.01.01 - Bed - structure

Activity Authorised: Use, upgrade and maintenance of an outflow pipeline structure including an outflow diffuser on the bed of the Waikato River for the discharge of treated wastewater from the Huntly WWTP		
Condition No.	Description	
1	The outfall structure shall be maintained and operated in general accordance with: i) The application for this resource consent; ii) The document titled “Waikato District Council Ngaruawahia and Huntly Wastewater Resource Consents Project, Resource Consents Application: Assessment of Effects on the Environment” dated March 2009 and recorded on Waikato Regional Council’s document system numbered 1458402; and iii) The document titled “Waikato District Council Ngaruawahia and Huntly Wastewater Resource Consents Project, Resource Consents Application: Response to RMA Section 92(1) Requests for Further Information” dated August 2009 and recorded on Waikato Regional Council’s document system numbered 1531323; subject to the conditions below which shall prevail should any inconsistency occur between the conditions and the above documents.	
Evidence		
Status Reasoning		
Action Required		Full compliance
2	The consent holder shall ensure contractors are made aware of the conditions of this resource consent and ensure compliance with those conditions.	
Evidence	All contractors employed at the treatment site are inducted in both health and safety procedures and relevant conditions of this consent.	
Status Reasoning		
Action Required		Full compliance
4	The discharge of treated wastewater to the Waikato River shall be via a multi-port diffuser located on the bed of the Waikato River.	
Evidence	The Huntly discharge is via a multi-port diffuser. Ports 2, 4, 6 and 8 are blocked off.	
Status Reasoning		
Action Required		Full compliance
5	Ports 2, 4, 6 and 8 of the diffuser, as numbered from the true right bank of the Waikato River, shall remain closed unless specifically permitted in writing by the Waikato Regional Council.	

Evidence	dive report undertaken on 18/19 May 2017 was unable to confirm the condition of the ports however the consent holder states in their annual report that: <i>The Huntly discharge is via a multi-port diffuser. Ports 2, 4, 6 and 8 are blocked off.</i>	
Status Reasoning		
Action Required		Full compliance
6	The consent holder shall maintain the outfall diffuser in an operational state such that the discharge from ports 1, 3, 5, 7 and 9 is uniform along the operational length of the diffuser and providing effective dispersion of the wastewater in the river flow.	
Evidence	it is assumed this is occurring as required. Discharges are being undertaken as required.	
Status Reasoning		
Action Required		Full compliance
7	The consent holder shall undertake a survey of the diffuser at six monthly intervals to demonstrate compliance with conditions 5 and 6 of this consent. The frequency of the surveys may be reduced to no less than every two years following written request to and approval from the Waikato Regional Council. The results of each survey and any recommendation as to the frequency of future surveys shall be provided to the Waikato Regional Council within 30 days of the survey.	
Evidence	The last submitted dive report was dated 18/19 May 2017 (doc ref 13168003)	
Status Reasoning	inspections are required every 6 months. WRC has no record of any dive reports being submitted since May 2018.	
Action Required	Dive reports for this site's diffuser is required to be undertaken every 6 months.	Low priority non-compliance
8	The consent holder shall notify the Waikato Regional Council in writing at least five working days prior to commencement of survey works.	
Evidence	WDC does not always notify WRC in advance of the dive surveys being commenced.	
Status Reasoning		
Action Required	The consent holder must notify the Waikato Regional Council in writing at least five working days prior to commencement of survey works, unless a suitable alternative arrangement is agreed by both parties.	Minor technical non-compliance
9	The consent holder shall be responsible for the structural integrity and maintenance of the multi-port diffuser and for the provision and maintenance of any erosion control works that become necessary to preserve the structural integrity of the multi-port diffuser, and/or to control erosion as a result of exercise of this consent. Any such works shall be to the satisfaction of the Waikato Regional Council. Note: A separate resource consent may be required as a result of the need to undertake erosion control works. Any such consent shall be obtained by the consent holder at their sole expense prior to any works being undertaken.	
Evidence	The diffuser is maintained	
Status Reasoning		
Action Required		Full compliance
11	The consent holder shall maintain the structure so that no part of the structure is lost (e.g. breaks loose due to water) or results in a navigational hazard. Any material that is lost from the structure shall be immediately retrieved by the consent holder. Should the material lost be a hazard to navigation the Waikato Regional Council shall be informed immediately.	

Evidence	No breakages or damage to the diffuser has been reported to WRC	
Status Reasoning		
Action Required		Full compliance
Authorisation Compliance:		High level of compliance

AUTH119650.01.01 - Water - sewage

Activity Authorised: Discharge treated wastewater (via seepage) to land and groundwater from activities associated with the Huntly WWTP		
Condition No.	Description	
4	The consent holder shall manage and maintain the integrity of all ponds, wetlands, rock filters and other structures that form any part of the wastewater treatment process so as to minimise the volume of seepage from such structures so far as practicable.	
Evidence		
Status Reasoning		
Action Required		Full compliance
Authorisation Compliance:		Full compliance

AUTH119651.01.01 - Water - sewage

Activity Authorised: Discharge treated wastewater (via flooding of wetlands during storm events) to a tributary of the Kimihia Stream from activities associated with the Huntly WWTP		
Condition No.	Description	
4	The discharge of treated wastewater from the wetlands to the tributary of the Kimihia Stream shall only occur when the wetlands are inundated during storm events.	
Evidence		
Status Reasoning		
Action Required		Full compliance
7	When the wetland is about to be inundated and until flood waters recede, the wetland shall be bypassed and treated wastewater from the oxidation pond shall be discharged directly to the Waikato River via the bypass pipeline.	
Evidence		
Status Reasoning		
Action Required		Not assessed
Authorisation Compliance:		Not assessed

AUTH130140.01.01 - Bed - structure

Activity Authorised: To place a pipe bridge over an unnamed tributary of Lake Hakanoa in Huntly		
Condition No.	Description	
1	The aerial pipeline authorised by this consent shall be undertaken in general accordance with the application (Recorded as document #2830872 on the Waikato Regional Councils document recording	

	system), and as identified in the resource consent conditions below which shall prevail in the event of any inconsistency between the aforementioned documentation and the conditions.	
Evidence	This consent relates primarily to the construction phase of this asset and that work is now complete therefore no further routine monitoring of this authorisation is required.	
Status Reasoning		
Action Required		Full compliance
Authorisation Compliance:		Not assessed

4 SUMMARY OF COMPLIANCE

Based on the conditions selected for monitoring, compliance has been assessed as:

Authorisation	Authorisation Description	Compliance Status
AUTH119647.01.02	Discharge up to 11,500 cubic metres per day of treated wastewater from the Huntly WWTP into the Waikato River	Partial compliance
AUTH119648.01.01	Discharge contaminants to air from activities associated with the Huntly WWTP	Full compliance
AUTH119649.01.01	Use, upgrade and maintenance of an outflow pipeline structure including an outflow diffuser on the bed of the Waikato River for the discharge of treated wastewater from the Huntly WWTP	High level of compliance
AUTH119650.01.01	Discharge treated wastewater (via seepage) to land and groundwater from activities associated with the Huntly WWTP	Full compliance
AUTH119651.01.01	Discharge treated wastewater (via flooding of wetlands during storm events) to a tributary of the Kimihia Stream from activities associated with the Huntly WWTP	Not assessed
AUTH130140.01.01	To place a pipe bridge over an unnamed tributary of Lake Hakanoa in Huntly	Not assessed

Overall Site Compliance: Partial compliance

5 DISCUSSION AND CONCLUSIONS

The performance of the Huntly WWTP has only been achieving a partial level of compliance for the last four years including this audit. The non-compliance of most concern is the quality of treated wastewater with the pH, suspended solids and ammoniacal nitrogen levels all being discharged above the consented limits. The continuance of discharges above the limits can also trigger the need for upgrades to be undertaken at the site and this occurred in 2017 following three successive years of non-compliance with the limits for ammoniacal nitrogen. Because the trigger had been reached the consent holder was required to undertake upgrade works within 2 years (up to 31 January 2019), in order to meet a new lower limit based on 80% of the original 20g/m³ (16g/m³).

The remaining items of non-compliance primarily relate to a lack of reporting and surveys such as the dive surveys which are required six monthly. The O&M plan is also due for a review and I understand that Watercare Services Limited is aware of this requirement and has it scheduled.

6 SUMMARY OF ACTIONS REQUIRED


The following actions are required to be undertaken:

Resource consent	Condition	Action Required
AUTH119647.01.02	6.	Please investigate and report what actions WDC intends to take to improve the discharge quality of selected determinants to within compliant limits. (pH, suspended solids, ammoniacal nitrogen)
AUTH119647.01.02	10	Please ensure you take action to prevent the suspended solids limits being breached for 3 consecutive years. Please provide evidence of any upgrades to the WWTP to reduce the level of ammoniacal nitrogen to compliant limits as per previous audits.
AUTH119647.01.02	13	Please confirm whether the upgrade items listed in this condition have been installed as required within their timeframes.
AUTH119647.01.02	15	Please ensure that rainfall data is included in all monthly reports from now on
AUTH119647.01.02	17	WRC has given permission to suspend the sampling for ammoniacal nitrogen in the river until further notice.
AUTH119647.01.02	21	Please undertake a review and update the O&M plan
AUTH119647.01.02	30	Please undertake dive surveys as required
AUTH119647.01.02	37	Please ensure the third treatment review is undertaken by 29 September 2020
AUTH119647.01.02	38	A review of the conditions of this consent is available to WRC between 1 October 2020 and 31 March 2021.
AUTH119648.01.01	6	Please include details of operational and maintenance procedures to minimise odour release during pond desludging and pond sludge drying and handling in the next O&M plan review
AUTH119648.01.01	9	A review period is available at this time.
AUTH119649.01.01	7	Dive reports for this sites diffuser is required to be undertaken every 6 months.
AUTH119649.01.01	8	The consent holder must notify the Waikato Regional Council in writing at least five working days prior to commencement of survey works, unless a suitable alternative arrangement is agreed by both parties.

7 RECOMMENDATIONS FOR WAIKATO REGIONAL COUNCIL

I recommend that Waikato District Council is issued with a **formal warning** for continued partial non-compliance. This is an escalation from last years partial compliance where Waikato District Council was issued with a Letter of Direction. This site is in serious need of an upgrade and significant maintenance in order to improve performance and achieve full compliance.

Recommendation - Formal warning



Edward Prince
Senior Resource Officer - Infrastructure
Resource Use

Date: 2 March 2020

7.1 Decision

I have reviewed this audit report and agree with the recommendations.



Hugh Keane
Team Leader - Infrastructure
Resource Use

Date: 6 March 2020

Overall Compliance Status for site	Your compliance status
Full compliance	
High level of compliance	
Partial compliance	←
Significant non-compliance	

APPENDIX 1

Compliance Status for Individual Conditions

Compliance Status	Description
Not assessed	Monitoring of this condition was not undertaken during this monitoring event
High priority non-compliance	The non-compliance has the potential for, or has resulted in, significant adverse effects on the environment.
Medium priority non-compliance	There is non-compliance with limits or other direct controls on adverse effects; and The non-compliance has the potential for, or has resulted in, a greater than minor increase in the level of effects authorised.
Low priority non-compliance	There is non-compliance with limits or other direct controls on adverse effects; and The non-compliance has the potential for, or has resulted in, a less than minor increase in the level of effects authorised; and/or There has been a significant technical non-compliance such as a failure to collect or supply self-monitoring data.
Minor technical non-compliance	There is non-compliance with a condition, or part of a condition, that does not directly control adverse effects; and The non-compliance was not significant in the management of effects. For example a short delay in supplying data or meeting a deadline for a report
Full Compliance	The condition has been complied with

Compliance status for individual consents and the entire site

Compliance Status	Description
Not assessed	Monitoring has not been undertaken at this site during the current financial year
Significant non-compliance	There has been a high priority non-compliance; and/or There have been several medium priority non-compliances.
Partial compliance	There has been a medium priority non-compliance; and/or There have been several low priority non-compliances.
High level of compliance	There has been a low priority non-compliance; and/or There have been several minor technical non-compliances.
Full compliance	All conditions that include limits or other direct controls on adverse effects have been complied with. A small number of minor technical non-compliances may have occurred.