

Site Compliance Report

Site No: REG602505 **Non Dairy**
Site Owner: Thames Coromandel District Council
Site Name: Hahei Sewage: Hahei
Date: 27 June 2022

1 INTRODUCTION

The following resource consent is held for the site:

Resource Consent	Status	Description	Commenced	Expiry
AUTH135636.01.01	Current	Discharge of treated municipal wastewater to the Wigmore Stream and associated seepage to groundwater from treatment ponds	7/12/2017	15/12/2030

This report examines the level of compliance of Thames Coromandel District Council with the selected conditions of the resource consent.

2 BACKGROUND

The township of Hahei is located within Mercury Bay on the eastern coast of the Coromandel Peninsula. The population on a day-to-day basis is approximately 450 persons (TCDC Population Growth Study, 2010), however like many holiday destinations in the district, this swells significantly over the summer and public holidays. Approximately a third of the Hahei catchment is serviced by the Hahei WWTP.

The Hahei WWTP uses an 'oxidation pond' system to provide aerobic breakdown of organic matter in wastewater. This consists of an inlet screen, aeration pond and retention pond. The aeration pond consists of 3 aerators, and recent power upgrades have improved aeration ability recently. The retention pond has baffle curtains to increase retention time. The total designed retention time in both ponds is 55 days, however during summer peak, it is expected that this drops to 16-23 days.

A membrane filtration unit (MFU) was retrofitted to the existing system in 2007 to treat wastewater to a higher quality prior to discharge. It is anticipated that at full operation, the MFU can process a maximum of 600 cubic metres of wastewater per day. Finally, wastewater is discharged to the Wigmore Stream via a perforated pipe diffuser.

A new consent was issued in December 2017 which saw more stringent criteria for the quality of discharge from the site.

Date Period	Date of Audit	Site Compliance
1 April 2020 to 31 March 2021	29/06/2021	Partial compliance
1 April 2019 to 31 March 2020	19/07/2020	Partial compliance
1 July 2017 to 30 June 2018	18/12/2019	Significant non-compliance
1 April 2017 to 31 March 2018	5/03/2019	Significant non-compliance
1 April 2016 to 31 March 2017	9/05/2017	High level of compliance

1 April 2014 to 31 March 2015	28/05/2015	High level of compliance
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3 COMPLIANCE ASSESSMENT

Unless otherwise specified in this document this assessment covers the period from **1 April 2021 to 31 March 2022**.

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

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

AUTH135636.01.01 - Water - sewage

Activity Authorised: Discharge of treated municipal wastewater to the Wigmore Stream and associated seepage to groundwater from treatment ponds		
Condition No.	Description	
3	The treatment plant and discharge to the Wigmore Stream shall be managed and operated by an appropriately trained operator.	
Evidence	Annual report (WRC document 24063962) received 1 June 2022	
Status Reasoning	The annual report details that all site operators hold a level 4 qualification in wastewater treatment at a minimum.	
Action Required	No corrective actions	Full Compliance
5	The maximum volume of treated wastewater discharged to the Wigmore Stream shall not exceed 700 cubic metres in any 24 hour period.	
Evidence	Annual report (WRC document 24063962) received 1 June 2022	
Status Reasoning	The maximum recorded discharge volume was 457 cubic metres per day (26 October 2021). However, the annual report details that due to SCADA inaccuracy, only manual recordings are used for effluent volumes. It is identified that some effluent volumes may have been missed. The annual report also identifies that it is unlikely that the 700 cubic metre per day limit was exceeded, and I agree with this assessment.	
Action Required	Provide by 31 July 2022 a written response which details the actions that will ensure a daily volume is recorded for all days of effluent discharge	Low risk non compliance
6	The maximum discharge rate of treated wastewater to the Wigmore Stream shall not exceed 8.1 litres per second.	
Evidence	Annual report (WRC document 24063962) received 1 June 2022	
Status Reasoning	This information is not available.	
Action Required	Provide by 31 July 2022 a written response which details the actions that will ensure a discharge rate is recorded for the effluent discharge.	Low risk non compliance
7	The consent holder shall ensure that all waste entering, and treated in, the Hahei	

	Wastewater Treatment Plant, goes through all stages of treatment available at the plant prior to discharge. This includes the Micro Filtration Unit.				
Evidence	Annual report (WRC document 24063962) received 1 June 2022				
Status Reasoning	The annual report confirms there have been no periods where flow bypassed the MFU treatment.				
Action Required	No corrective actions			Full compliance	
8	The following limits shall apply to the discharge to the Wigmore Stream from the commencement of this resource consent:				
	Parameter	90 percentile, not more than one sample in each preceding 10 samples shall exceed:		Running average, over any consecutive 10 samples shall not exceed:	
	a) Suspended solids, (g/m ³)	20		10	
	b) Carbonaceous biochemical oxygen demand (CBOD ₅), (g/m ³)	20		10	
	c) Escherichia coli, cfu/100ml	20		10	
	d) Total ammoniacal nitrogen, (g/m ³)	15		10	
	e) Total Kjeldahl Nitrogen, (g/m ³)	20		15	
	f) Total Phosphorus, (g/m ³)	20		14	
Evidence					
Status Reasoning	Parameter	90 percentile, not more than one sample in each preceding 10 samples shall exceed:		Running average, over any consecutive 10 samples shall not exceed:	
		<i>Limit</i>	<i>Assessment</i>	<i>Limit</i>	<i>Assessment</i>
	a) Suspended solids, (g/m ³)	20	Compliant	10	Compliant
	b) Carbonaceous biochemical oxygen demand (CBOD ₅), (g/m ³)	20	Compliant	10	Compliant
	c) Escherichia coli, cfu/100ml	20	Compliant	10	Compliant
	d) Total ammoniacal nitrogen, (g/m ³)	15	Non-Compliant	10	Compliant
	e) Total Kjeldahl Nitrogen, (g/m ³)	20	Non-Compliant	15	Compliant
	f) Total Phosphorus, (g/m ³)	20	Compliant	14	Compliant
	Ammoniacal nitrogen values greater than 15 g/m ³ were recorded on 17/8/2021, 5/10/2021, 2/11/2021 and 5/1/2022.				
	Total Kjeldahl Nitrogen values greater than 20 g/m ³ were recorded on 5/10/2021 and 5/01/2022				
	The annual report details issues with daphinia flea bloom, along with the impacts of COVID-19 restrictions decreasing flow at the time.				
	The exceedances themselves are small, though the frequency is concerning.				
Action Required	Ensure values remain within consented limits. No reporting is required however attention is drawn to the requirements of condition 20 which requires data for the preceding six month period to be forwarded by 1 December each year.			Low Risk Non Compliance.	

11	A flow meter shall be installed to record, on a continuous basis, the quantity of effluent discharged on a daily basis. The device shall have a reliable calibration to water flow and shall be maintained to an accuracy of +/- 5%. Access to the meter shall be made available to the staff and agents of the Waikato Regional Council at all reasonable times.	
Evidence	From the 2020/21 Annual report (WRC doc 20997163), Appendix B: Hahei WWTP Outflow Meter (WRC doc 20997281) provided on 10 June 2021.	
Status Reasoning	The certificate supplied verifies the calibration of the meter.	
Action Required	No corrective actions.	Full Compliance
12	Calibration of the flow meter shall be undertaken by the consent holder, at the request of the Waikato Regional Council, if during the term of this consent the accuracy of the meter is considered less than that required by condition 11. The calibration shall be undertaken by an independent qualified person and evidence documenting the calibration shall be forwarded to the Waikato Regional Council within one month of the calibration being completed.	
Evidence	From the 2020/21 Annual report (WRC doc 20997163), Appendix B: Hahei WWTP Outflow Meter (WRC doc 20997281) provided on 10 June 2021.	
Status Reasoning	The certificate supplied verifies the calibration of the meter.	
Action Required	No corrective actions.	Full Compliance
13	An alarm system shall be installed to operate in the event of any mechanical failure. The details of the alarm system shall be included within the Management Plan as required by condition 25 of this consent.	
Evidence	Annual report (WRC document 24063962) received 1 June 2022, including Appendix E – Updated Management Plan 2020	
Status Reasoning	Information on remote monitoring and alarms is included on pages 21-22 of the Management Plan	
Action Required	No corrective actions	Full Compliance
14	Within 3 months of the commencement of this consent the consent holder shall install and monitor a flow recorder which shall, as a minimum, record flow in the Wigmore Stream in litres per second every 15 minutes at a suitable location upstream of the discharge authorised by this consent. [truncated]	
Evidence	2020/21 Audit Report – WRC document 20260567	
Status Reasoning	For reasons detailed in the previous audit report, no further monitoring is required under this condition.	
Action Required	No action required. No further monitoring is required under this condition.	Not assessed
15	In addition to the flow monitoring required by condition 14 of this consent, the consent holder shall undertake manual low-flow gauging in the Wigmore Stream at least once during each calendar year when flows are at a seasonal summer low and the flow recorder site is operational. Where there is a prolonged period of summer low flows, the consent holder will repeat the low-flow gauging to ensure data at lower stream flows are measured. The low-flow gauging shall be undertaken at a suitable location upstream of the discharge authorised by this consent at or near the flow recorder site. The purpose of the low-flow gauging is to verify the flow records measured by the flow recorder. The low-flow gauging shall be undertaken by an appropriately qualified and experienced person. A copy of the results of the gauging(s) shall be forwarded to	

	Waikato Regional Council with the written report required in condition 14 and 21 of this consent. The requirement for manual stream flow monitoring under this condition can cease when approval in writing from the Waikato Regional Council under condition 14 has been provided.																			
Evidence	2020/21 Audit Report – WRC document 20260567																			
Status Reasoning	See condition 14 above																			
Action Required	No action required. No further monitoring is required under this condition however it is recommended.	Not assessed																		
16	<p>The consent holder shall measure and characterise the quality, quantity and variability of treated effluent being discharged to the Wigmore Stream and the effects of the discharge on the quality and variability of surface water. To this end, the consent holder shall undertake sampling and analysis of the discharge and surface water as follows:</p> <table border="1"> <thead> <tr> <th>Frequency</th> <th>Sample type and/or location</th> <th>Parameter</th> </tr> </thead> <tbody> <tr> <td>a) Every 15 minutes</td> <td>Wigmore Stream Refer to condition 14.</td> <td> <ul style="list-style-type: none"> Water level Instantaneous flow </td> </tr> <tr> <td>b) Daily</td> <td>Treatment Plant</td> <td> <ul style="list-style-type: none"> Rainfall </td> </tr> <tr> <td>c) Daily</td> <td>Discharge</td> <td> <ul style="list-style-type: none"> Volume Instantaneous peak flow Average flow </td> </tr> <tr> <td>d) Weekly - during the period from the start of the third week of December to the start of the third week of February - monthly otherwise.</td> <td> <ul style="list-style-type: none"> Inlet of MFU Discharge, following all treatment stages and prior to entering the Wigmore Stream Wigmore Stream 50 metres upstream of discharge Wigmore Stream downstream at Pa Road bridge <p>Downstream samples to be collected within the period 1 hour either side of local low tide during daylight hours and while discharge is operating.</p> </td> <td> <ul style="list-style-type: none"> Total Ammoniacal Nitrogen <i>Escherichia coli</i> Enterococci Conductivity pH Sample date and time Time of low tide occurrence closest to sample time </td> </tr> <tr> <td>e) Monthly – to coincide with d)</td> <td> <ul style="list-style-type: none"> Inlet of MFU Discharge, following all treatment stages and prior to entering the Wigmore Stream Wigmore Stream 50 metres upstream of the discharge Wigmore Stream downstream at Pa Road bridge <p>Downstream samples to be collected within the period 1 hour either side</p> </td> <td> <ul style="list-style-type: none"> cBOD₅ Nitrate Nitrogen Suspended solids Total Kjeldahl Nitrogen Soluble Reactive Phosphorus Total Phosphorus by Persulphate Digestion Turbidity Sample date and time Time of low tide occurrence closest to sample time </td> </tr> </tbody> </table>		Frequency	Sample type and/or location	Parameter	a) Every 15 minutes	Wigmore Stream Refer to condition 14.	<ul style="list-style-type: none"> Water level Instantaneous flow 	b) Daily	Treatment Plant	<ul style="list-style-type: none"> Rainfall 	c) Daily	Discharge	<ul style="list-style-type: none"> Volume Instantaneous peak flow Average flow 	d) Weekly - during the period from the start of the third week of December to the start of the third week of February - monthly otherwise.	<ul style="list-style-type: none"> Inlet of MFU Discharge, following all treatment stages and prior to entering the Wigmore Stream Wigmore Stream 50 metres upstream of discharge Wigmore Stream downstream at Pa Road bridge <p>Downstream samples to be collected within the period 1 hour either side of local low tide during daylight hours and while discharge is operating.</p>	<ul style="list-style-type: none"> Total Ammoniacal Nitrogen <i>Escherichia coli</i> Enterococci Conductivity pH Sample date and time Time of low tide occurrence closest to sample time 	e) Monthly – to coincide with d)	<ul style="list-style-type: none"> Inlet of MFU Discharge, following all treatment stages and prior to entering the Wigmore Stream Wigmore Stream 50 metres upstream of the discharge Wigmore Stream downstream at Pa Road bridge <p>Downstream samples to be collected within the period 1 hour either side</p>	<ul style="list-style-type: none"> cBOD₅ Nitrate Nitrogen Suspended solids Total Kjeldahl Nitrogen Soluble Reactive Phosphorus Total Phosphorus by Persulphate Digestion Turbidity Sample date and time Time of low tide occurrence closest to sample time
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Evidence	Annual report (WRC document 24063962) received 1 June 2022 including document 24074718 – Hahei Wastewater Ecological Data report – received 6 June 2022.												
Status Reasoning	<p>The Annual Report outlines missing information.</p> <p>No flow gauging in the Wigmore Stream is available, including low flow gauging. Instantaneous peak flow data for discharge is not available as per condition 6 above.</p> <p>Reviewing the information provided in Appendix A confirms instantaneous peak flow and average flow are not reported.</p> <p>Weekly/Monthly parameters (d) are generally well recorded, though I note that weekly sampling commenced a week later than expected in December 2021. In addition, the tidal recording in column BM of the spreadsheet (“Low Tide”) records the sample time, rather than the closest low tide. A random check of times in the summer of 2021/22 indicates that the sampling is occurring near low tide, so this is a minor recording issue.</p> <p>The required ecological monitoring report was undertaken in January 2022 and provided in June 2022.</p> <p>Fish sampling was undertaken in January 2020. This was one year late. It is required again in January or February 2024 to get back into alignment with consent conditions.</p>												
Action Required	<p>Ensure all required data is collected and reported.</p> <p>As per condition 6, confirm the actions that will be undertaken to ensure flow rate monitoring will be available by 31 July 2022</p>	Low Risk Non Compliance.											
17	All samples taken in relation to monitoring under this consent shall be collected by a suitably qualified and experienced person(s) with relevant training in the sampling and transporting of water quality samples and in accordance with the Monitoring												

	Implementation Plan titled “Wastewater Sampling at Hahei WWTP and Wigmore Stream” by United Water, dated 1-04-2009 (Waikato Regional Council document number 1472702), or any subsequent update. This plan shall detail methods and map locations for how, when and where sampling will take place. An updated Monitoring Implementation Plan shall be provided to the Waikato Regional Council within three months of commencement of this consent, and at two yearly intervals thereafter, or more often if any method or location changes. The Waikato Regional Council shall be provided with an updated copy of the Monitoring Implementation Plan within one month of any update to the Plan.	
Evidence	Annual report (WRC document 24063962) received 1 June 2022	
Status Reasoning	This was last reviewed in December 2020. As two yearly reviews are required, the next one will be required in the 2022/23 compliance period.	
Action Required	Ensure a review of this document is undertaken in the 2022/23 compliance period.	Not assessed
19	All ecological surveys carried out in relation to monitoring under this consent shall be undertaken by a suitably qualified and experienced person(s) with relevant training in ecological monitoring and assessment. The sampling and analysis methodology shall be consistent with previous surveys undertaken at this site, as summarised in the report titled “Hahei Wastewater Treatment Plant Assessment of Ecological Effects” by Kessels Ecology, dated 24 May 2017 (Waikato Regional Council document number 11016880). The sampling and analysis methodology may be modified following approval in writing from the Waikato Regional Council.	
Evidence	Annual report (WRC document 24063962) received 1 June 2022 including document 24074718 – Hahei Wastewater Ecological Data report – received 6 June 2022.	
Status Reasoning	Suitably qualified and experienced persons undertook this monitoring and assessment. Initial non scientific review indicates the methodology is consistent with previous surveys.	
Action Required	No corrective actions	Full Compliance
20	The consent holder shall provide to the Waikato Regional Council a data report by 1 December each year that this consent is current. This report shall include all data collected under condition 16 of this consent for the period 1 April to 30 September of the current year and shall identify any non-compliance within that period.	
Evidence	Annual report (WRC document 24063962) received 1 June 2022	
Status Reasoning	No data was received by 1 December 2021. This is now being provided through regular monthly reporting for all sites.	
Action Required	No actions required as all data now provided in annual report, and is expected to continue through monthly reporting. Ensure all reporting is up-to-date for April-September by 1 December.	Low Risk Non Compliance
21	The consent holder shall provide to the Waikato Regional Council a written monitoring report by 1 June each year that this consent is current for the 12 month period from 1 April of the preceding year to 31 March of the current year. As a minimum this report shall include the following: <ol style="list-style-type: none"> 1. a summary of the monitoring results required by condition 16 of this consent for the 12 month period from 1 April of the preceding year to 31 March of the current year and a critical analysis of the information in terms of compliance and environmental effects; 2. a comparison of data with previously collected data identifying any emerging trends; 	

	<ol style="list-style-type: none"> 3. comment on compliance, and any reasons for non-compliance or difficulties in achieving compliance, with condition 8 of this consent; 4. comment on any works that have been undertaken, or that are proposed to be undertaken in the upcoming year, to improve the environmental performance of the treatment and/or disposal system; 5. report on and discuss any complaints received regarding the treatment and/or discharge of treated effluent; and 6. any other issues considered important by the consent holder.
Evidence	Annual report (WRC document 24063962) received 1 June 2022
Status Reasoning	The required report has been provided on time.
Action Required	No corrective actions Full Compliance
22	<p>The consent holder shall provide to the Waikato Regional Council an ecological assessment report by 1 June every two years for the duration of this consent. This report shall be prepared by a suitably qualified person or persons with relevant training in ecological monitoring and assessment. As a minimum this report shall include the following:</p> <ol style="list-style-type: none"> 1. a summary of the ecological monitoring and water quality results required by condition 16 for the preceding two years; 2. a comparison of data with previously collected data identifying any emerging trends; 3. a critical analysis of the current ecological health of the Wigmore Stream, the potential causes of any degradation of the stream, the effects of the discharge authorised by this consent on the Wigmore Stream and downstream coastal waters; 4. any other issues considered important by the ecologist.
Evidence	Annual report (WRC document 24063962) received 1 June 2022 Appendix C – ecological monitoring 2020-2021 (WRC document 24063291)
Status Reasoning	The two yearly assessment report was undertaken for the 2020 and 2021 ecological monitoring. It was not required this year.
Action Required	No corrective actions Full Compliance Ensure the next report provides the ecological assessment as required under this condition.
23	<p>In the event of any bypasses, other extraordinary events or failure of any critical part of the treatment plant, the consent holder shall manage the treatment plant and discharge to the Wigmore Stream in accordance with the Contingency Plan titled “Hahei Wastewater Treatment Plant Contingency Plan 2015” by Veolia (Waikato Regional Council document number 3584298 and 3584310), or any subsequent update. An updated plan shall be provided to the Waikato Regional Council by 1 June 2018, and at three yearly intervals thereafter. The consent holder shall engage appropriately experienced persons to compile any update to the Contingency Plan, and it shall identify measures and notification protocols to be undertaken by the consent holder that will take into account any potential adverse effects on the Wigmore Stream and users, including but not limited to ecological effects, downstream recreational use, and the Medical Officer of Health.</p>
Evidence	Annual report (WRC document 24063962) received 1 June 2022 Contingency Plan (WRC document 24063064)
Status Reasoning	The Contingency Plan was reviewed in December 2020. The next review is due in the 23/24 compliance period. No bypasses, extraordinary events or failures have been reported for the compliance period.
Action Required	No corrective actions Full Compliance

24	<p>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 and the procedures that will be put into place to maximise wastewater treatment and minimise odour production. This plan shall be lodged with the Waikato Regional Council within 3 months of the commencement of this consent, and shall be reviewed and updated as a minimum annually. The plan shall address, but may not be limited to, the following:</p> <ol style="list-style-type: none"> 1. a description of the entire treatment and disposal system facility and how it is operated; 2. a description of routine maintenance procedures to be undertaken; 3. an outline of the methods to be utilised to monitor the treatment plant in an operational sense including: monitoring of influent waste water and monitoring of treatment performance; 4. a description of the methods to be used to ensure that sampling of the discharge as required by condition 16 of this consent is representative of overall discharge quality; 5. specific management procedures for the efficient functioning of the treatment system including Micro Filtration Unit, including measures to ensure compliance with condition 8 of this consent relating to discharge quality parameters; 6. procedures for recording routine maintenance and all repairs that are undertaken; 7. contingency measures in place to deal with unusual events; 8. chain of command and responsibility, including contact details; 9. other actions necessary to comply with the requirements of this resource consent; 10. procedures for improving and/or reviewing the management plan. 		
Evidence	Annual report (WRC document 24063962) received 1 June 2022 Management Plan (WRC document 24062591)		
Status Reasoning	<p>The plan has been received and has been accepted. No formal review has been undertaken this year.</p> <p>As annual review and update is required for this report under this condition, please ensure future annual reports confirm this has occurred, and if no changes are required confirm this in writing.</p>		
Action Required	<table border="1" style="width: 100%;"> <tr> <td style="width: 70%;">No corrective actions</td> <td style="text-align: right;">Not assessed</td> </tr> </table>	No corrective actions	Not assessed
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26	<p>The consent holder shall notify the Waikato Regional Council as soon as practicable, and as a minimum requirement within 24 hours, of any discharge to Wigmore Stream from a source that has bypassed any part of the treatment system, or any discharge to the redundant disposal beds and/or redundant storage pond. The consent holder shall, within 7 days of the discharge occurring, provide a written report to the Waikato Regional Council, identifying the extent of the discharge, possible causes, steps undertaken to remedy the effects of the discharge and measures that will be undertaken to ensure future compliance with this consent.</p>		
Evidence	Annual report (WRC document 24063962) received 1 June 2022		
Status Reasoning	The annual report confirms there has been no bypassing during the compliance period.		
Action Required	<table border="1" style="width: 100%;"> <tr> <td style="width: 70%;">No corrective actions</td> <td style="text-align: right;">Full Compliance</td> </tr> </table>	No corrective actions	Full Compliance
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27	<p>The consent holder shall maintain and keep a complaints register for all complaints, including discharge, water quality and odour complaints regarding operations at the site received by the consent holder. The register shall record:</p> <ol style="list-style-type: none"> 1. the date, time and duration of the event that has resulted in a complaint, 		

	<ol style="list-style-type: none"> 2. any corrective action undertaken by the consent holder in response to the complaint, including actions taken to prevent similar events in the future. 3. the location of the complainant when the event was detected, 4. the possible cause of the event, and 5. the weather conditions and wind direction at the site when the event allegedly occurred.
Evidence	All TCDC WWTP complaints register (WRC document 23751673) received 8 April 2022 Annual report (WRC document 24063962) received 1 June 2022
Status Reasoning	No complaints have been received. The annual report confirms this.
Action Required	No corrective actions Full Compliance
28	The register outlined in condition 27 shall be available to the Waikato Regional Council at all reasonable times. Waikato Regional Council shall be informed of complaints received by the consent holder which may infer non-compliance with the conditions of this resource consent to the Waikato Regional Council within 24 hours of the complaint being received. In addition, the consent holder shall provide written information on the incident including all of the details required by (a) to (e) of condition 27 of this consent, which shall be forwarded to the Waikato Regional Council within 5 days of the complaint being received.
Evidence	All TCDC WWTP complaints register (WRC document 23751673) received 8 April 2022 Annual report (WRC document 24063962) received 1 June 2022
Status Reasoning	No complaints have been received
Action Required	No corrective actions Full Compliance
29	The consent holder shall be responsible for ensuring that the Wigmore Stream, from the treated wastewater discharge point to its mouth, is kept clear of debris and that the stream mouth is not blocked by sand, to the extent that the flow of the Wigmore Stream is unimpeded into the coastal marine area. The consent holder's obligations in respect of this condition are limited to the works that can be undertaken without the need for resource consent under the relevant rule(s) of the Waikato Regional Coastal Plan.
Evidence	Annual report (WRC document 24063962) received 1 June 2022
Status Reasoning	Based on the annual report, the Wigmore Stream mouth is maintained as required. No site assessments have been undertaken. WRC has not received any requests or complaints with regards the stream mouth.
Action Required	No corrective actions Full Compliance
31	<p>The consent holder shall provide a written report on or before the fifth and tenth anniversaries of the commencement of this consent that shall outline:</p> <ol style="list-style-type: none"> 1. what investigations have been undertaken to date to identify the long-term strategy for wastewater treatment and disposal options at Hahei upon the expiry of this consent, 2. what investigations have been undertaken or identified in relation to potential effects of disposal options being considered for wastewater at Hahei upon the expiry of this consent, 3. what consultation has been undertaken in relation to potential treatment and disposal options for wastewater at Hahei upon the expiry of this consent.
Action Required	I note this report will be due on or before 7 December 2022 Not assessed
32	The Waikato Regional Council may, within the six month period following receipt of the monitoring information required by condition 22 of this consent, serve notice on the consent holder under section 128(1) of the Resource Management Act 1991 and

	commence a review of the conditions of this resource consent for the purpose of reviewing the compliance limit(s) of any contaminant and/or, 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 surface water quality or ecology due to the discharge.	
Action Required	I note the next review period commences 7 December 2022	Not assessed
33	<p>The Waikato Regional Council may, within the year of the second, fifth and tenth anniversary of the commencement of this consent, 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> <ol style="list-style-type: none"> 1. to review the effectiveness of the conditions of this resource consent in avoiding or mitigating any adverse effects on ground or surface 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 2. 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 surface water quality due to the discharge; or 3. to review the adequacy of and the necessity for monitoring undertaken by the consent holder. <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>	
Action Required	I note the next review period commences 7 December 2022.	Not assessed
	Authorisation Compliance:	Low Risk Non Compliance

4 SUMMARY OF COMPLIANCE

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

Authorisation	Authorisation Description	Compliance Status
AUTH135636.01.01	Discharge of treated municipal wastewater to the Wigmore Stream and associated seepage to groundwater from treatment ponds	Low Risk Non-Compliance

Overall Site Compliance: Low Risk Non Compliance

5 DISCUSSION AND CONCLUSIONS

This audit is a desk-based assessment only. The rating of Low Risk Non-Compliance is due to minor issues only and Thames Coromandel District Council is generally operating the Hahei WWTP in accordance with consent requirements. This is appreciated and a result of past efforts and improvements to the site.

A number of minor issues have been identified as listed in the table below.

6 SUMMARY OF ACTIONS REQUIRED

The following actions are required to be undertaken:

Condition Number	Action Required
5 & 6	By 31 July 2022 provide a written response which details the actions that will ensure <ul style="list-style-type: none">• a daily volume is recorded for all days of effluent discharge.• a discharge rate is recorded for the effluent discharge
8	Ensure values remain within consented limits
20	Ensure six monthly data report is provided on time.
31	A note that the fifth anniversary report is due on or before 7 December 2022

7 RECOMMENDATIONS FOR WAIKATO REGIONAL COUNCIL

I recommend this site is assigned as Focus Area 1 and audited again next year due to the sensitivity of the receiving environment.



Amy King
Senior Resource Officer - Infrastructure - Resource Use

Date: 27 June 2022

7.1 Decision

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




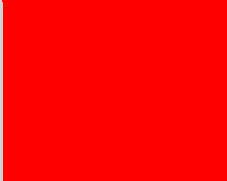


Hugh Keane
Team Leader - Infrastructure
Resource Use

Date: 27 June 2022

APPENDIX 1

Compliance Rating System

Compliance Status	Compliance Grade
	Not Assessed
	Full Compliance Full compliance with all relevant consent conditions, plan rules, regulations and national environmental standards.
	Low Risk Non-Compliance Non-compliance with some of the relevant consent conditions, plan rules, regulations and national environmental standards. Non-compliance carries a low risk of adverse environmental effects or is technical in nature (e.g. failure to submit a monitoring report).
	Moderate Non-Compliance Non-compliance with most of the relevant consent conditions, plan rules, regulations and national environmental standards, where there are some environmental consequences and/or there is a moderate risk of adverse environmental effects.
	Significant Non-Compliance Non-compliance with many of the relevant consent conditions, plan rules, regulations and national environmental standards, where there are significant environmental consequences and/or a high risk of adverse environmental effects.