

Agenda for a meeting of the Waters Governance Board to be held in the Committee Rooms 1 & 2, District Office, 15 Galileo Street, Ngaaruawaahia on **WEDNESDAY, 14 FEBRUARY 2024** commencing at **10.00am**.

**1. APOLOGIES AND LEAVE OF ABSENCE**

**2. CONFIRMATION OF STATUS OF AGENDA**

**3. DISCLOSURES OF INTEREST**

The register of interests is no longer included on agendas, however members still have a duty to disclose any interests under this item.

**4. CONFIRMATION OF MINUTES**

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Gj Ion  
**CHIEF EXECUTIVE**

## TERMS OF REFERENCE AND DELEGATION

<b>Reports to:</b>	The Council
<b>Chairperson:</b>	Mr David Wright
<b>Membership:</b>	Mr Garth Dibley Mr Gavin Ion (Chief Executive) Ms Rukumoana Schaafhausen Ms Jackie Colliar (Board Intern)
<b>Meeting frequency:</b>	Monthly
<b>Quorum:</b>	A majority of members (excluding the Board Intern)

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The Waters Governance Board is a subordinate decision-making body of the Waikato District Council established under Schedule 7 of the Local Government Act 2002.

### **Purpose and Terms of Reference:**

1. To provide governance and oversight of the development and implementation of the Council contract with Watercare Services Limited ('Watercare').
2. To ensure the activity goals are clearly established, and strategies are in place for achieving them.
3. To establish policies for strengthening the performance of the water activity including ensuring management and the contractor are proactively seeking to build the business through innovation, initiative, technology, new products and the development of its business capital.
4. To monitor the performance of management through the Chief Executive.
5. To ensure high standards of health & safety are maintained by management and Watercare and undertaking appropriate due diligence.
6. To decide on whatever steps are necessary to protect the Council's financial position and the ability to meet its debts and other obligations when they fall due, and ensuring that such steps are taken.
7. To ensure the water activity's financial statements are true and fair and otherwise conform to law.

8. To ensure the water activity adheres to high standards of ethics and corporate behavior.
9. To ensure the water activity has appropriate risk management/regulatory compliance policies in place.
10. To look to improve environmental outcomes from this activity.
11. To consider kaitiakitanga as part of decision-making.
12. To monitor and ensure Watercare are meeting their obligations.
13. To report to Council twice yearly on progress with Waters' Management.
14. To provide innovation and ideas that could improve profitability, service levels or environmental outcomes.
15. To hold Watercare to account over the delivery of the operational and capital programmes.
16. To work with Council to agree the overall funding requirements of the business.
17. To undertake any other matters considered relevant by the Board or referred to the Board by the Council.

**The Board is delegated the following powers to act:**

- Agree the form of the transactional arrangement with Watercare.
- Negotiate with Watercare and recommend to Council the final, or any amended, contract value for waters management.
- Conclude the contract (after Council approval of contract value) and terms and conditions, including any amendments, with Watercare.
- Ensure that transitional contract requirements are met by Watercare and Council.
- Hold Watercare to account for their performance at all levels.
- Monitor and oversee the performance of staff and Watercare in terms of the water activity.
- Consider and ensure improvements or innovation are implemented by Watercare or through the Chief Executive as appropriate.
- Approve changes to the operation of the contract with Watercare.
- Develop strategies to improve contractual performance or to improve business practices.

- Recommend to Council infrastructure strategy and Asset Management Plans for adoption.
- Develop an annual works programme (operating and capital) and submit to council for final approval.
- Approve alterations and transfers within the programme of capital and operational works as prepared for the Long Term Plan and Annual Plan, subject to the overall scope of the programme remaining unchanged and the programme remaining within overall budget.
- Set and ensure Watercare's adherence to health and safety requirements, and wellbeing practices.
- Set and maintain standards of ethics and corporate behavior.
- Consider development opportunities for the Waters' business.
- Define and set levels of service for Waters' management now and in the future.
- Responsible for the financial performance of the contract and operation.
- Approve and/or amend existing or new contracts relating to the delivery of three waters' services and operation unless additional funding by the Council is required or the approval or amendment is inconsistent with Council Policy.
- Recommend to Council any new or additional funding requirements over and above that contained within the Long Term Plan.
- Develop plans to improve the overall resilience of the Waters' networks and allow for growth.
- Consider the impact of growth on the Waters' infrastructure.
- Implement and monitor the risk management framework for the waters' management and activity.
- Approve the annual and half yearly financial statements for the Waters' operation and provide any relevant commentary to the Council.
- Annually review the Board composition, structure and succession and make recommendations to council on these matters.
- Ensure the Waters' business delivered by Watercare provides value for the community in terms of the four wellbeings.
- Determine the approach for resource consent applications for the Waters' business, and monitor progress of those applications on behalf of the Council.



- Review and monitor existing strategic resource consents.
- Ensure that Kaitiakitanga and environmental outcomes are key decision making considerations for the Board.
- Uphold the vision and strategy of the Waikato-Tainui Raupatu Claims (Waikato River) Settlement Act 2010.

<b>To</b>	<b>Waters Governance Board</b>
<b>Report title</b>	<b>Confirmation of Minutes</b>
Date:	Monday, 5 February 2024
Report Author:	Elizabeth Saunders, Senior Democracy Advisor
Authorised by:	Gaylene Kanawa, Democracy Manager

## **1. Purpose of the report**

### **Te Take moo te puurongo**

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To confirm the minutes for a meeting of the Waters Governance Board (WGB) held on Tuesday, 28 November 2023.

## **2. Staff recommendations**

### **Tuutohu-aa-kaimahi**

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**THAT the minutes for a meeting of the Waters Governance Board held on Tuesday, 28 November 2023 be confirmed as a true and correct record.**

## **3. Attachments**

### **Nгаа тааpирihanga**

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Attachment 1 – WGB Minutes – Tuesday, 28 November 2023.

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**MINUTES** for a meeting of the Waters Governance Board of the Waikato District Council held in Committee Rooms 1 & 2, District Office, 15 Galileo Street, Ngaruawahia on **TUESDAY, 28 NOVEMBER 2023** commencing at **10.00AM**.

**Present:**

Mr D Wright (Chairperson)  
Mr GJ Ion (Chief Executive, Waikato District Council)  
Mr G Dibley  
Ms J Colliar (Intern) – *via audio visual link*

**Attending:**

Cr E Patterson  
Mr R Bax (R Bax Consulting Ltd)  
Mr K Martin (Waters Manager)  
Mr D Sharma (Three Waters Reform Project Manager)  
Mr J Baldwin (Waters Engineering Manager)  
Mr M Curtis (Three Waters Support Engineer)  
Mrs S Bolt (Waters Contract Support Coordinator)  
Mrs H Coalter (Growth & Analytics Manager)  
Mr M Bourne (Chief Operations Officer - Watercare)  
Mr M Telfer (Operations Manager Waikato – Watercare)  
Mr J Turner (Watercare)

Ms E Saunders (Senior Democracy Advisor)

The meeting was opened with a karakia.

**APOLOGIES AND LEAVE OF ABSENCE**

Resolved: (Mr Ion/Mr Dibley)

THAT the apology for:

- a. non-attendance by Ms R Schaafhausen be received.

**CARRIED**

**WGB2311/01**

**CONFIRMATION OF STATUS OF AGENDA ITEMS**

Resolved: (Mr Wright/Mr Ion)

THAT the agenda for a meeting of the Waters Governance Board Meeting held on Tuesday, 28 November 2023:

- a. be confirmed and all items therein be considered in open meeting with the exception of those items detailed at agenda item 7 which shall be discussed with the public excluded; and
- b. the following item(s) be discussed at an appropriate time during the course of the meeting:
  - i. *Watercare Contract Discussion at the conclusion of Item PEX3.7 [Waikato District Reservoirs]*

**CARRIED**

**WGB2311/02**

**DISCLOSURES OF INTEREST**

There were no disclosures of interest.

**CONFIRMATION OF MINUTES**

Resolved: (Mr Dibley/Mr Ion)

THAT the minutes for a meeting of the Waters Governance Board Meeting held on Tuesday, 10 October 2023 be confirmed as a true and correct record of that meeting.

**CARRIED**

**WGB2311/03**

## **ACTIONS REGISTER**

### Agenda Item 5

The Waters Manager spoke to the report which was taken as read and highlighted the following key points:

- No response to date to the letter sent three to four weeks ago to the Department of Conservation (DOC).

**ACTION:** Waters Team to follow up with the Department of Conservation (DOC) for a response to the letter sent regarding the safety of the reservoir.

- The Three Waters Reform Manager provided an update on the New Resource Management Act (RMA) legislation with Ms Colliar providing an update stating that Councils are exempt from the 10 year maximum consent requirement (for Water Supply only – not discharge) but Councils need to apply for that exemption.

**ACTION:** Action to stay on the Register and an update to be provided in the New Year if the Act is appealed.

- A question was raised in relation Taupiri water supply and the increasing pressure it was noted that the pipe is going to be replaced which will help to mitigate the issue.

**ACTION:** Watercare to advise the Fire Service of the pipe replacement in the Taupiri area and to liaise with them to ensure all parties are aware of the water level.

**Resolved: (Mr Dibley/Mr Wright)**

**THAT the Waters Governance Board receives the Actions Register to October 2023.**

**CARRIED**

**WGB2311/04**

## **REPORTS**

### Three Waters Governance Report – October 2023

#### Agenda Item 6.1

Mr Telfer spoke to the report which was taken as read and further discussion was held.

#### Key Highlights:

- It was noted that response times to Wastewater events continue to be a challenge within 60 minutes framework.
- There is a meeting onsite of the Te Akau Bore with negotiations ongoing with the Property Owner on the location. It was noted that there is no development happening in the area.

- An update on the Rural Quality of the River was provided and Mr Telfer gave an overview on the regular sampling that is being done and the steps being undertaken. It was noted that detailed analysis has not been completed on the turbidity and an extensive discussion ensued on the detail that is required.

**ACTION:** Detailed analysis required on what is causing the turbidity (River Water Quality) along with a report back to the Board in early 2024.

- Health & Safety events are logged throughout the month and it was noted that Watercare have an iCare system. The Health & Safety event noted in the report was caused by not following process. There is no permanent damage to the eye.
- A public community meeting was attended in relation to the Raglan discharge event.

Questions/Discussion:

- It was noted that in relation to the Raglan discharge event that some of the contamination came from other sources and it was further noted that Waikato Regional Council (WRC) do seasonal testing which was due to start now and Watercare have had a subsequent meeting with WRC.
- It was noted that from the Raglan Communities perspective they are expecting a better outcome than this and it was further noted that there is a reputational risk for Council when it comes to Raglan discharge and further testing along with solid Communications are required.

**ACTION:** Some further testing to be undertaken on the other potential sources of contamination for the Raglan Discharge (under the museum).

- The false/positive result of alcali in Huntly which was briefly outlined by Mr Telfer.
- A query was raised in relation to reviewing type data (Raglan discharge event) and the validation period. It was noted that the data has been validated out until the end of February 2024.
- A query was raised in regards to Lake Hakanoa and the ownership of assets between WRC and Waikato District Council (WDC). It was noted that WRC are approaching WDC to take on assets that are currently owned by them. There is no clear answer in relation to the risk for flood and stormwater but no immediate risk.

**Resolved: (Mr Wright/Mr Ion)**

**THAT the Waters Governance Board receives the Three Waters Governance report for October 2023.**

**CARRIED**

**WGB2311/05**

Port Waikato Flood Resilience Fund

Agenda Item 6.2

The Waters Engineering Manager spoke to the report which was taken and the following discussion was held:

Key Highlights:

- There was a discrepancy on the figures included in the report which was outlined by The Waters Engineering Manager.
- It was noted that the pump station needs an upgrade and this has been identified.
- There is a community meeting happening within the first two weeks of December 2023 and this information will be presented at that time.
- A discussion was held in relation to the \$2.35M figure and the concern that this is not going to be enough. A concern was raised that the \$500,000 for project management seems rather excessive and it was queried whether the majority of those costs could be covered with the funding available.
- Further clarification was provided by the Waters Engineering Manager and it was confirmed that the funding is as follows:
  - i. \$2.35M from the Government on the basis that Waikato District Council put in \$500,000 towards Project Management costs which can be in our own time.

**Resolved: (Mr Wright/Mr Dibley)**

**THAT the Waters Governance Board recommends that Council:**

- a. approve the reallocation of funds from account codes 104670.1700.0000.00.25407 and 102623.1700.0000.00.25407 to be used towards the Port Waikato Three-Waters Resilience Fund; and
- b. supports the Council funding obligations to this project.

**CARRIED**

**WGB2311/06**

Schedule of Meetings - 2024

## Agenda Item 6.3

The report was taken and the following discussion was held:

- Updated Tuesday, 2 May to Tuesday, 7 May 2024.

**Resolved: (Mr Wright/Mr Ion)**

**THAT the Waters Governance Board approves the schedule of Board meetings for 2023 as follows:**

- **Wednesday, 14 February,**
- **Tuesday, 26 March,**
- **Tuesday, 7 May,**
- **Wednesday, 19 June,**
- **Tuesday, 30 July,**
- **Tuesday, 10 September,**
- **Tuesday, 22 October, and**
- **Tuesday, 26 November,**

noting that each meeting will be scheduled to commence at 10.00am.

**CARRIED**

**WGB2311/07**

Te Kauwhata Water Association Resource Consent Renewal Update

## Agenda Item 6.4

Mr R Bax (R Bax Consulting) spoke to the report which was taken and the following discussion was held:

Key Highlights:

- It was noted that a Resource Consent application has been made to Waikato Regional Council (WRC).
- It was noted that the consent application has reduced the original Council portion of the new take slightly (current consent is for 22,900m<sup>3</sup> per day – new application is 22,450m<sup>3</sup> per day).
- A brief discussion was held in relation to providing water to 5x local area marae at no cost and how this is going to be made possible with 5x water stations throughout the district.



Questions/Discussion:

- Ms Colliar declared her conflict of interest with this paper and abstained from any conversation.

**Resolved: (Mr Dibley/Mr Wright)****THAT the Waters Governance Board:**

- a. receives this report, and
- b. notes that the Chief Executive will arrange that tankered potable water delivered by TKWA to Nga Muka Development Trust five marae during summer, is not charged up to 120m<sup>3</sup>/year and for a period of three years.
- c. meets the requirement of Te Mata Arowai for a water carrier with regards to water cartage

**CARRIED****WGB2311/08**

**EXCLUSION OF THE PUBLIC**

Agenda Item 7

**Resolved: (Mr Wright/Mr Ion)****THAT the public be excluded from the following parts of the proceedings of this meeting; and**

- a. The general subject of each matter to be considered while the public is excluded, the reason for passing this resolution in relation to each matter, and the specific grounds under section 48(1) of the Local Government Official Information and Meetings Act 1987 for the passing of this resolution are as follows:

General subject of each matter to be considered	Reason for passing this resolution in relation to each matter	Ground(s) under section 48(1) for the passing of this resolution
<b>Item PEX 1 Confirmation of Minutes</b>  <b>Item number PEX 2 Action Register</b>	<b>Good reason to withhold exists under Section 6 or Section 7 Local Government Official Information and Meetings Act 1987</b>	<b>Section 48(1)(a)</b>
<b>Item PEX 3.1 Te Kauwhata Wastewater Treatment Plant Resource Consent Update</b>		
<b>Item PEX 3.2 Waikato Waters Contract Financial Report – October 2023</b>		
<b>Item PEX 3.3 Capital Delivery Programme Overview – October 2023</b>		
<b>Item PEX 3.4 Ngaaruawaahia Wastewater Network Extensions</b>		
<b>Item PEX 3.5 Pookeno Water Supply Reservoir Reticulation Extensions</b>		
<b>Item PEX 3.6 Te Kauwhata Network Upgrades</b>		

General subject of each matter to be considered	Reason for passing this resolution in relation to each matter	Ground(s) under section 48(1) for the passing of this resolution
Item PEX 3.7 Reservoir Programme of Works	Good reason to withhold exists under Section 6 or Section 7 Local Government Official Information and Meetings Act 1987	Section 48(1)(a)

- b. This resolution is made in reliance on section 48(1)(a) of the Local Government Official Information and Meetings Act 1987 and the particular interest or interests protected by Section 6 or Section 7 of that Act which would be prejudiced by the holding of the whole or relevant part of the proceedings of the meeting in public, as follows:

Item No.	Section	Interest
Item PEX 1 Confirmation of Minutes  Item number PEX 2 Action Register	Refer to the previous Public Excluded reason in the agenda for this meeting.	
Item PEX 3.1 Te Kauwhata Wastewater Treatment Plant Resource Consent Update	7(2)(i)	To enable negotiations to carry on without prejudice or disadvantage.
Item PEX 3.2 Waikato Waters Contract Financial Report – October 2023	7(2)(b)(ii)  7(2)(h)	To protect information that would otherwise unreasonably prejudice a person’s commercial position.  To enable commercial activities to be carried out without prejudice or disadvantage.
Item PEX 3.3 Capital Delivery Programme Overview – October 2023	7(2)(h)  7(2)(i)	To enable commercial activities to be carried out without prejudice or disadvantage.  To enable negotiations to carry on without prejudice or disadvantage.

Item No.	Section	Interest
<b>Item PEX 3.4</b> <b>Ngaaruawaahia Wastewater</b> <b>Network Extensions</b>	7(2)(b)(ii)	To protect information that would otherwise unreasonably prejudice a person's commercial position.
	7(2)(h)	To enable commercial activities to be carried out without prejudice or disadvantage.
	7(2)(j)	To prevent use of the information for improper gain or advantage.
<b>Item PEX 3.5</b> <b>Pookeno Water Supply</b> <b>Reservoir Reticulation</b> <b>Extensions</b>	7(2)(b)(ii)	To protect information that would otherwise unreasonably prejudice a person's commercial position.
	7(2)(h)	To enable commercial activities to be carried out without prejudice or disadvantage.
	7(2)(j)	To prevent use of the information for improper gain or advantage.
<b>Item PEX 3.6</b> <b>Te Kauwhata Network</b> <b>Upgrades</b>	7(2)(b)(ii)	To protect information that would otherwise unreasonably prejudice a person's commercial position.
	7(2)(h)	To enable commercial activities to be carried out without prejudice or disadvantage.
	7(2)(j)	To prevent use of the information for improper gain or advantage.

Item No.	Section	Interest
<b>Item PEX 3.7 Reservoir Programme of Works</b>	<b>7(2)(b)(ii)</b>	<b>To protect information that would otherwise unreasonably prejudice a person's commercial position.</b>
	<b>7(2)(h)</b>	<b>To enable commercial activities to be carried out without prejudice or disadvantage.</b>
	<b>48(1)(d)</b>	<b>To enable deliberations in private on a decision or recommendation in any applicable proceeding.</b>

- c. **Mr R Bax (Richard Bax Consulting)** be permitted to remain at this meeting, after the public has been excluded to discuss **Item PEX3.1 – Te Kauwhata Wastewater Treatment Plant Resource Consent Update** because of his knowledge and work on this Item and the assistance being provided.

**CARRIED**

**WGB2311/09**

The meeting adjourned at 11.05am for morning tea and resumed at 11.20am.

*Resolutions WGB2311/10 - WGB2311/19 are contained in the public excluded section of these minutes.*

*It was resolved [Resolution No. WGB2311/12] during the public excluded section of the meeting that the following resolution be released into open meeting along with the report and attachments which are at the conclusion of the Open Minutes.*

Te Kauwhata Wastewater Treatment Plant Resource Consent Update  
Agenda Item PEX 3.1

Resolved: (Mr Dibley/Mr Ion)

That the Waters Governance Board:

- a. receives the report, and
- b. resolves to release the resolution, report and attachments into the open meeting.

**CARRIED**

There being no further business the meeting was declared closed at .....pm.

Minutes approved and confirmed this                      day of                      2023.

David Wright  
**CHAIRPERSON**

*Attachment 1: Te Kauwhata Wastewater Treatment Plant Resource Consent Update Report*

*Attachment 2: Te Kauwhata Wastewater Consent Agreement (2013)*

*Attachment 3: Partner and Key Stakeholder Engagement Plan*

*Attachment 4: Resource Consent Timeline*



PEX3.1 Te Kauwhata  
Wastewater Treatme



PEX3.1A Te



PEX3.1B DRAFT



PEX3.1C DRAFT

Wastewater Partner and Key Stakeholder Resource Consent T

Unconfirmed

<b>To</b>	<b>Waters Governance Board</b>
<b>Report title</b>	<b>Actions Register</b>
Date:	Monday, 5 February 2024
Report Author:	Gavin Ion, Chief Executive

## **1. Purpose of the report**

### **Te Take moo te puurongo**

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To update/inform the Waters Governance Board on actions following the Waters Governance Board meeting held on Tuesday, 28 November 2023.

## **2. Staff recommendations**

### **Tuutohu-aa-kaimahi**

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**THAT the Waters Governance Board receives the Actions Register to January 2024.**

## **3. Attachments**

### **Ngaa taapirihanga**

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Attachment 1 – Actions Register to January 2024.

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## 21 Waters Governance Board Actions Register

### OPEN MEETING

Meeting Date	Action	To Action	When	Status
5/09/2023	Watercare to ensure that works being undertaken to address any non-compliance is included in the Compliance report moving forward.	Mathew Telfer	All WGB	This will be included as part of the quarterly Compliance reporting, the next juncture being December 2023, and thereafter. Paper forms part of this meeting.
23/11/2023	Waters Team to follow up with the Department of Conservation (DOC) for a response to the letter sent regarding the safety of the reservoir.	Deron Sharma	Feb 2024	Update to be provided
23/11/2023	Watercare to advise the Fire Service of the pipe replacement in the Taupiri area and to liaise with them to ensure all parties are aware of the water level.	Mathew Telfer	Feb 2024	Confirmation of action to be provided
23/11/2023	Detailed analysis required on what is causing the Waikato River turbidity (River Water Quality) at the Water treatment Plant intake river in take with a report back to the Board in early 2024.	Mathew Telfer	Mar 2024	Analysis currently being prepared
23/11/2023	Some further testing to be undertaken on the other potential sources of contamination for the Raglan Discharge (under the museum).	Mathew Telfer	Mar 2024	Confirmation of test results to be provided

<b>To</b>	<b>Waters Governance Board</b>
<b>Report title</b>	<b>Three Waters Governance Report – February 2024</b>
Date:	14 February 2024
Report Author:	Mathew Telfer, Operations Manager Waikato (Watercare)
Authorised by:	Gavin Ion, Chief Executive

## **1. Purpose of the report**

### **Te Take moo te puurongo**

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To update the Waters Governance Board of the current workstreams, key matters and metrics under the Agreement for Operation and Maintenance of Water, Wastewater and Stormwater Services with Watercare Serviced Limited (**Watercare**).

## **2. Executive summary**

### **Whakaraapopototanga matua**

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Please refer to the “Highlights and Lowlights” summary section in the report prepared by Watercare (**Attachment A**).

## **3. Staff recommendations**

### **Tuutohu-aa-kaimahi**

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**THAT the Waters Governance Board receives the Three Waters Governance Report for February 2024.**

## **4. Attachments**

### **Ngaa taapirihanga**

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Attachment A - Waikato Monthly Governance Report February 2024

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# WAIKATO DC

## THREE WATERS GOVERNANCE REPORT

### FEBRUARY 2024



Mathew Telfer  
Operation Manager  
Watercare Waikato  
February 2024

## 1. Highlights and lowlights

- All results were achieved in November and December. Excluding –
  - Attendance time: from the time that Council receives a notification to the time that service personnel reaches the site WW, which was 66 minutes in November against a target of 60 minutes.
  - Attendance time: for urgent water call-outs, which was 61 minutes in December against a target of 60 minutes.
  - All YTD performance results are achieved.
- PAC dosing has increased to address the increase in Geosmin and reduce the impact on water turbidity.
- Maramarua WWTP dispersal bed replacement was completed in December.
- The Te Kauwhata wastewater treatment plant was commissioned in December.
- An on-site meeting to review the proposed location of the bore supplying the Te Akau plant was held in January, and a meeting with the community representative and stakeholders is planned for the end of January.
- The AMP presentation to the Board and Council has been adjusted to account for the reduced debt cap and was presented to the Board in January.
- Water monitoring meetings have begun to assess the demand management and restriction controls.
- The river quality monitoring continues until UVT sensors can be installed.
- Streamline CCTV contractors recently conducted comprehensive stormwater asset maintenance in Raglan, focusing on SPEL filters.
- All tanker filling stations have now been completed, and the use of the mobile filling station will be reviewed. The possibility of reselling it to Auckland will be assessed if an appropriate use cannot be found.
- The contract has been awarded to Apex Water for the MBR plant upgrade.

## 2. Health and Safety

### 2.1. What we've seen this month

- No lost Time Injury (LTI), Restricted Duties Injury (RDI), or contractor injuries occurred in November or December.
- 4 ICare incident reports were lodged in November and none in December.
  - A lifting event at the Te Kauwhata Wastewater treatment plant. Staff were in the shed below the lifting circle of the crane. All staff should have been removed from within the lifting area. An incident report has been provided.
  - A staff member cut their palm, taking a steel pipe off a trailer. Appropriate PPE should be worn. First aid was applied.
  - An inverter on a truck began smoking; it was turned off and replaced.
  - A staff member put their elbow through a wall, opening a car boot.
- Health and Safety committee meetings were held in November and December.
- Engagement with the Council's Health and Safety team was discussed with the intention of a reset in the New Year.

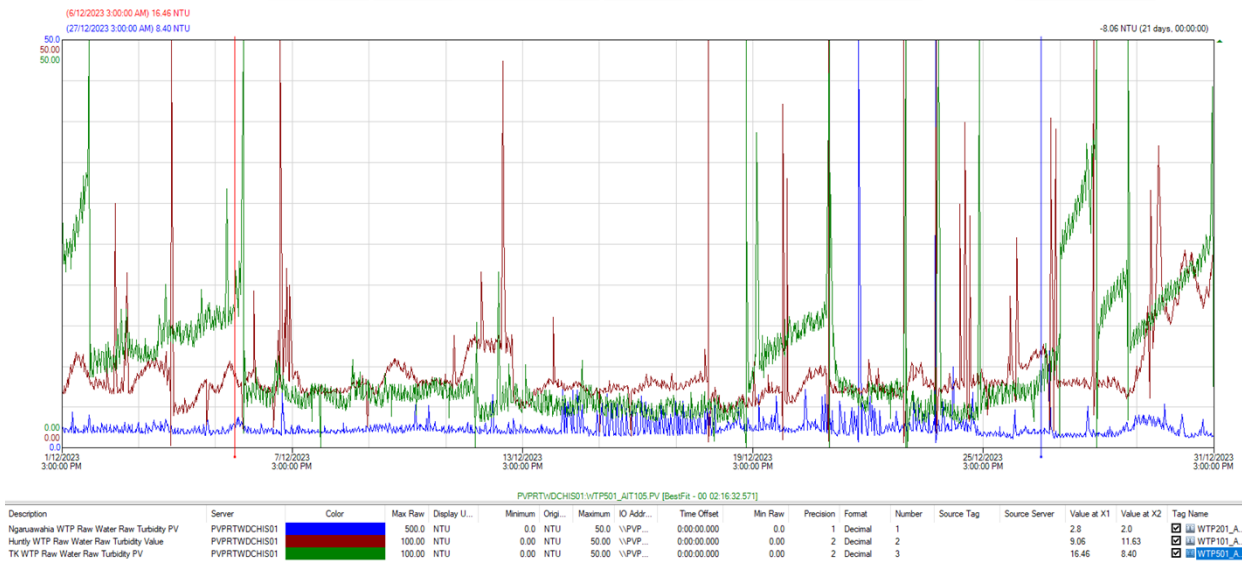
## 2.2. Metrics



## 3. Operations

### 3.1. Production

The raw water quality from the Waikato River at Huntly and Te Kauwhata continues to fluctuate.



The raw water turbidity is monitored at each plant.

- Ngauruwaahia WTP (Blue) is the most stable and typically trends around 5 NTU.
- Huntly WTP (Brown) and Te Kauwhata WTP's (Green) trends fluctuate significantly.

We are using results from raw water grab sample UVT tests as a better measure of identifying change in organic content. New analysers for raw water UVT for the three river source plants will be installed in February 2024.

- The Huntly WTP PAC dosing commenced on the 20<sup>th</sup> of December to ensure that taste and odour issues in the treated water were removed. No dosing is required at Ngaaruawaahia or Te Kauwhata WTPs, as these sites have no taste or odour issues.
- The Raglan WTP suffered multiple Comms failures in December due to the radio connection between the Raglan WTP hilltop reservoir and the Bow Street Reservoir. Unfortunately, the expert staff required to resolve the issue were unavailable until the 16<sup>th</sup> of January to resolve this issue. We had multiple callouts to both sites during December.
- Te Kauwhata WWTP upgrade is now substantially complete, with the Practical Completion Certificate signed off just before the Christmas break. This plant is now receiving the total raw sewage effluent in flow. Process performance testing is planned to commence in mid-January 2024.

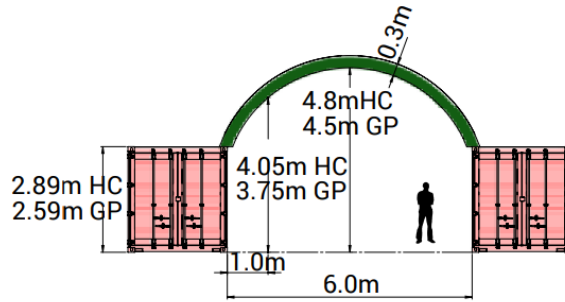
The redundant pond aquamat system has been removed for disposal off-site. The ponds continue to be aerated via the original aeration blowers, pipework, and aquadisc system.

The new plant has been stable and operated well during Christmas.

- Following the discharge of partially treated wastewater (detailed in the compliance report), the Raglan WWTP UV system has failed twice due to lamp failure. The failures shut down the tidal discharges, and repairs were made, so there are no issues with compliance. The UV system, particularly the electronic control system, is 15+ years old and becoming obsolete. An upgrade compatible with the future new plant concept design is being explored.

### 3.2. Networks

- Meter replacements (15+ yrs) – 47 meters were replaced during November, most of which were in Tuakau and Pookeno. The bulk of meters in this area are in-line metres and are more labour-intensive to replace, thus the slowdown in replacements from previous months. This project is now nearing completion, with an estimated completion date of February 2024.
- Raglan CCTV and cleaning – The focus for CCTV this FY is Raglan, and work to survey over 90% of the sewer network commenced in early November. To date, 17 km of WW lines have been surveyed. Work will continue through to the week ending 15 December, then pause for the holiday period as Raglan becomes very congested over the summer period. Works recommenced on 8 January. This work is being delivered by Insight CCTV & Jetting. Following the Raglan sampling results, this will include focus on the area around the Museum.
- Christmas Jetting & Wet Well cleaning programme – The pre-Christmas jetting of critical lines and deep cleaning of wet wells commenced in late November. Te Kauwhata, Meremere, Pookeno and Tuakau pump stations were cleaned in November. The remaining are planned for December, while the line jetting was completed in December. Streamline Environmental delivered this work.
- The Christmas period was quiet for the staff working through a manageable number of events and planned activities.
- To address secure storage space limitations at the Brownlee Avenue Depot, a container shelter has been procured through Smart Shelters. This shed utilises 2 x 20 ft shipping containers with an arching plastic weave shelter covering the span of the containers and will be installed on the 18<sup>th</sup> January 2024.



- Two trainee Operator roles (Cadets) were appointed, with the second staff member starting in early January. The recruitment of the Waters Technician role continues. This leaves two outstanding cadet roles that will be filled in the new year.

### 3.3 Stormwater projects

#### 3.3.1 Strategic/Planning/Asset management/Consent planning/Compliance

- A thorough site investigation of stormwater ponds and wetlands across the District Council has been completed. In the upcoming weeks, intensive physical maintenance activities will enhance the aesthetic and ecological aspects of protected assets.
- Site Investigation with GPS: A thorough investigation of stormwater manholes lacking invert levels has been conducted on-site in the Matangi and Tamahere areas. This initiative addresses the absence of invert levels in our current GIS data.

#### 3.3.2 Stormwater projects

- The draft design for the Hakanoa stream upgrade project has been received, and engagement with the impacted property owners is continuing.
- The consent approval for the revised design has been received for the stormwater pipe upgrade project on Cambrae Road. This project will now move to tender to appoint a contractor.

#### 3.3.3 Stormwater operation/monitoring

- Streamline CCTV contractors recently conducted comprehensive stormwater asset maintenance in Raglan, focusing on SPEL filters. The investigation covered the entire array of installed stormwater filter devices to assess the current asset situation and quantify the number of cartridges in each SPEL filter. This development highlighted the approach to asset management after consent transfer was not operating correctly. This has now been addressed to ensure assets are appropriately maintained in the first two years after vesting.





## 4. Planning and project delivery

### 4.1. Infrastructure Planning

There are several work packages underway, including.

- The system performance phase of the Southern Districts and Tuakau Water Network Models continues.
- The Raglan WW model - Draw-down testing at Nero is required before the model recalibration occurs. The Raglan WW and WS servicing strategy is nearing completion.
- Huntly Wastewater network model - Consultants have assessed the asset data, and Magflow meter installation at two key pump stations is progressing (one is installed). The regauging flows through the network at specific sites for three months is completed.
- Phase 1 of the Mid-Waikato and Central Districts water supply long-term servicing strategy is now complete, marking the start of discussions with various iwi groups regarding the long-list options. The next stage involves organising an MCA workshop to thoroughly delve into the options and short-list by considering cultural and technical perspectives.
- A separate study will commence in parallel with the Mid-Waikato and Central Districts water supply long-term servicing strategy. This study will focus on the immediate water treatment plant issues and understanding the upgrades required in the short term.
- The Waters Governance Board approved the reservoir paper encompassing all upcoming projects, including Pookeno, Raglan, Matangi, Tamahere and Tuakau. Concept designs are underway for the Tuakau, Raglan, Tamahere, and Matangi reservoirs. Tuakau reservoir site acquisition and negotiations with the property owner are underway. Further investigations are underway for the Raglan site, with the existing [Spring/Te Hutewai] site being shown as the most favoured option. A site is also being sought for a new reservoir to replace the existing one in Eureka.
- Watercare and WDC are working on the final version of LTP with a workshop planned in mid-January

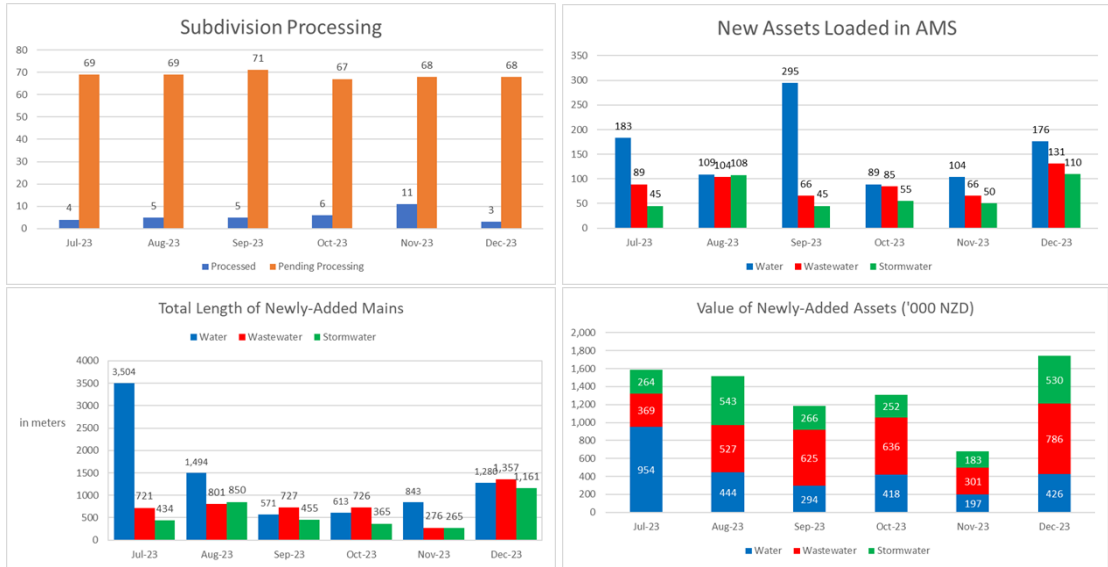
### 4.2. Development and growth

- Input into District Plan Appeals on servicing of appeal areas continues but has been very minor. Development queries have been very few during December, with some interactions relating to 57 Helenslee Road and Munro Block in Pookeno.



### 4.3. Asset Management

- In November, 220 three-water assets were added to the database, covering 1.38 km of main lines and a combined value of \$680,779.12
- In December, 417 three-water assets were added to the database, covering 3.8 km of main lines and a combined value of \$1.74m.



### 4.4. Project delivery

#### Water Network Upgrades

The bulk supply pipeline to Taupiri’s township is now operational and continues to serve the Taupiri township. The existing supply, crossing the rail corridor, has recently been decommissioned and filled with cementitious grout.

The new Water Booster Pump Station has taken shape, with the pump and control building structure completed and fitout underway. Site security, accessway construction, and pump station electrical and commissioning will commence upon return in January.

<https://www.waikatodistrict.govt.nz/projects/project/taupiri-water-infrastructure-upgrades>



*Taupiri's new WS pump and control building*

- To comply with drinking water standards and ensure safe access and management of large water takes, we have established bulk water supply points equipped with tanker filling stations across the district. Permanent water filling stations have been installed across the district, with a new station in Te Kauwhata commissioned in October.

December has seen Huntly's mobile filling station replaced with a permanent site, which provides a bulk water supply filling point and features a new off-road parking bay designed for safe access and operation. The use of the mobile filling station will be reviewed, and the possibility of reselling it to Auckland will be assessed if an appropriate use cannot be found.



*Huntly new water filling station*

- The work to improve and replace the water supply pipeline along Riverview Road in **Huntly** has installed the full 1100 m pipe. All commissioning and tie-in activities scheduled to be completed ahead of the Christmas holiday period were achieved! A return for minor reinstatement works is planned for January.

<https://www.waikatodistrict.govt.nz/projects/project/huntly-water-supply-renewals>



*Huntly – The watermain replacement on Riverview Road is now complete.*

- Construction crews have established on **Morrinsville Road (SH26)** and have completed the pipeline installation on both sites.

All commissioning and tie-in activities scheduled for December, and ahead of Waka Kotahi's network Moratorium and Christmas holiday period, were achieved.

A return in 2024 to complete the planting and reinstatement of Waka Kotahi's network is planned.

<https://www.waikatodistrict.govt.nz/projects/project/state-highway-26-water-supply-infrastructure-upgrades>



*Morrinsville Road (SH26) – Pipeline installation*

- Work was accelerated in December for the two water supply network extensions on sites in **Pookeno** and **Tuakau**. The objective was to see 1300 m of a new pipeline installed at these sites before Christmas, with commissioning tasks planned for early January. The pipelines were installed as planned, and a return for commissioning in early January remains the plan for Helenslee Road and Dominion Road.

The remaining water infrastructure upgrades in **Tuakau** and **Pookeno** will see reconfiguration and upsizing of the existing local network, a new booster pump station to support growth, and further bulk supply extensions across critical transport networks.

This work is scheduled to commence in the new year.

#### Te Kauwhata Reservoir Upgrade

This project replaces the existing Te Kauwhata Reservoir with two 1,500m<sup>3</sup> reservoirs to maintain a reliable and efficient water supply network. The construction of reservoir one is complete and will be commissioned in February 2024. The preload will be removed, and Reservoir two construction will commence with earthworks





*Te Kauwhata Reservoir 1 – Structure Complete*

*Te Kauwhata Reservoir – Sunny is underway with the Tie-in works*

### Wastewater Network Upgrades

Ngaaruawaahia Pipeline – The pump station is complete. Work is well underway in Great South Road. The Kiwi Rail under-track crossing is being planned to link both sides.



*Ngaaruawaahia Pipeline – The installation works under a Great South Road Lane closure.*

- Washer Road Rising Main – The new Washer rising main is being installed up to the railway crossing. The HDD drill shot encountered rock, and a safer working room is required to support open cut. An agreement is being prepared with the Ports of Auckland.
- Tuakau Interceptor WWPS: Orders for new pumps and variable speed drives have been placed, and construction planning is underway. A building consent application for the new switchroom (a shed) has been submitted.

### Treatment Plant Upgrades

Te Kauwhata WWTP Upgrade:

- Construction is complete, and performance testing is underway.
- The new treatment plant is operational.
- To close out, old equipment is being decommissioned.



*Te Kauwhata WWTP - New MBR Tank (above) New Treatment Plant receiving flow (below)*



- Huntly WWTP Upgrade – The following initial designs are underway:
  - Concept design of main MBR plant upgrade
  - A Pilot Trial
  - A power supply and inlet screen upgrade
  - An outfall pump station upgrade
- Raglan WWTP Upgrade – Construction commencement activities are underway.
- Ngaaruawaahia WTP Upgrade – The run-to-waste is ready for operation. The de-chlorination system is being installed. Alongside the project work, the resource consent application has been submitted.

## 5. Compliance

- The monthly reports for November and December drinking water quality assurance rules (DWQAR) demonstrated compliance.
- The Annual report from January 2023 to December 2024 will be produced for February 2024.
- The increased Geosmin results within the Huntly area required increased PAC dosing.

### 5.1. Abatement notices

- There are three abatement notices in place at the moment, two in Raglan for a Cambrae road stormwater and the wastewater treatment plant. The third is for the Te Kauwhata wastewater treatment plants. Actions are in place to address all notices.
- The investigation into the November Raglan incidents is ongoing, and the meeting with WRC is expected in January.

### 5.2. Compliance incident

#### Summary of the event

- On Friday, 8<sup>th</sup> December 2023, a UV fault in the Raglan Wastewater Treatment Plant system causing the plant to shut down and miss a scheduled discharge (6:08 PM). An operator was sent to Raglan WWTP that evening to reset the fault on the UV unit. On the morning of Saturday, 9<sup>th</sup> December, it was identified that the fault of the UV unit had occurred again during the warm-up process before the next scheduled discharge. To avoid a potential overflow and the uncertainty around contacting a UV technician out of hours, a manual discharge was initiated without UV. The discharge was stopped after 1 hour and 20 minutes; during this time, approximately 269 m<sup>3</sup> of partially treated effluent was discharged on the outgoing tide.
- After a call-back from a manager, the situation and the decision was reviewed, and it was determined there was sufficient time before the ponds would be at risk of overtopping to wait for the UV technician, and the discharge was stopped at 8:10 AM.

#### Recommendations following the event.

- To prevent similar incidents in the future, we have altered the discharge UV programming sequence to allow for a discharge to progress with a single faulty lamp or one ballast fault (two lamps), as this will still achieve compliance levels and not disrupt the discharge. An alarm can be set up on SCADA to notify the operator and process engineer regarding the UV fault so they can arrange the repair after the discharge is complete.
- The escalation process has been improved to clarify who can approve a discharge in breach of consent unless there is an immediate risk of dam failure.
- The operating manuals for the plant will be renewed with the new plant construction, which is due for completion by 1 July 2025.
- The report to the Regional Council is appended to the Waters Governance Board's OPEN Agenda item 6.4 Raglan Wastewater Treatment Plant Non-Compliant Discharge Investigation (**Attachment A**) for the meeting held on 14 February 2024.



## 6. Customer and Billing

### 6.1. Billing and Customer

- Raglan area reads completed; 2,097 meters read— invoices to be raised on 4 January 2024.
- New Customer Care Representative started on 18 January 2024.
- Backflow testing and replacement of meters to resume in January 2024.

Service Request Category	Total Last year	Jul	Aug	Sep	Oct	Nov	Dec	Grand Total 2023-24
WTR3SafNu -Safety	1							0
WTRWstNCon – New connection	2	1	1			2	2	6
CreditCont	1							0
WTRDWnCon — New connection	27	3	7	5	3	2		20
WTRStmNCon — New connection	2	1	1	1	1			4
WTR3Enq	67							0
WTRFinRead – Final Readings	838	70	89	84	93	117	85	538
WTRWtrBill -General Billing/Meter queries	382	28	47	31	33	49	20	208
<b>Totals</b>	<b>1326</b>	<b>103</b>	<b>145</b>	<b>121</b>	<b>130</b>	<b>170</b>	<b>107</b>	<b>776</b>

Type of Reading	Count of Reads for the Month
New meter	16
Replacement	50
Final Reads	111

### 6.2. Trade waste

Trade Waste Actions	Conditional Consents renewals	Audits	New Consents	Non-compliance	Sampling
<b>As per below</b>	<b>Up to date</b>	<b>6</b>	<b>3</b>	<b>2</b>	<b>3</b>

- **Site Visit to Carley’s Transport Te Kauwhata**– Watercare staff meet at Carley Transport for a site/educational visit. We discussed that there have been nitrogen spikes at the new Te Kauwhata WWTP. The spikes may have been coming from their truck wash-down, including fertiliser and stormwater infiltration from fertiliser on the ground from the sheds. We discussed options to lower the amount of fertiliser from the wash-down and took the owner to the new WWTP for a tour. We explained how the new WWTP works, how the nitrogen spikes affect the WWTP processes, and our consent with the Regional Council.
- **Non-compliance** – 2 non-compliance to date – Waiting on self-monitoring reports for December 2023 to be received.

## 7. Strategic resource consents.

### Raglan WWTP:

- The disposal option for land disposal on the Wainui reserve is being worked on, and the concept report should be ready by February 2024.
- The project team has received confirmation of the Memorandum of Understanding (MoU) to utilise land at the Maungatawhiri Road site.
- The contract has been awarded to Apex Water for the MBR plant upgrade.

### Te Kauwhata WWTP:

- Richard Bax is making good progress in establishing effective communication and engagement strategies with stakeholders, the community, and tangata whenua. The overall responsibility for this fall outside the WDC/WSL contract, with the WDC managing this process.
- Beca has completed a report on the land disposal option. Haydn Solomon met WSL/WDC on site to indicate public land that may be suitable for Water Hub C as sites A and B have been deemed unfavourably for cultural reasons.

### Matangi WWTP:

- A Matangi treatment plant and network investigation is about to commence. The investigation will focus on the impact of greater flows experienced during wet years, considering the performance and the opportunity & risk associated with the potentially increased load contributed by the school role increasing. The next crucial step for engineers is to review plant data.
- Collaboration is underway between Watercare and the Ministry of Education, involving information sharing. The Ministry of Education has advised that implementing a property flow gauge is planned.
- Engineers will explore methodologies like flow smoothing, offset storage, and stormwater analysis to determine a realistic maximum discharge flow suitable for the WWTP/discharge field. Once known, Managerial decision-making will be enabled to determine if greater school flow can be agreed to or if the school will need to pursue an on-site solution further.



## 8. Key performance indicators

<b>KPI – description</b>	<b>Results</b>	<b>Target 2022/2023</b>
<b>Water</b>		
<i>The extent to which the Council's drinking water supply complies with Part 4 of the drinking water standards (bacteria compliance criteria).</i>	18	18
<i>The extent to which the Council's drinking water supply complies with Part 5 of the drinking water standards (bacteria compliance criteria).</i>	15	15
<i>Attendance for urgent call-outs: from the time that Council receives a notification to the time that service personnel reaches the site.</i>	December - 61 Year to date - 27	≤ 60 mins
<i>Resolution of urgent call-outs: from the time that Council receives a notification to the time that service personnel confirms resolution of the fault or interruption.</i>	December – 113 Year to date - 84	≤ 240 mins
<i>Attendance for non-urgent call-outs: from the time that Council receives a notification to the time that service personnel reaches the site</i>	December– 1 Year to date - 1	≤ 3 days (contracted Measure, not the LTP < 5 days)
<i>Resolution of non-urgent call-outs: from the time that Council receives a notification to the time that service personnel confirms resolution of the fault or interruption.</i>	December – 1 Year to date - 2	< 3 days
<i>The total number of complaints related to Water services received by Council (expressed per 1000 connections to the networked reticulation system):</i>	December – 1.6 Year to date Result – 5.61	≤ 22/1000 (contracted Measure, not the LTP < 25/1000)
<b>Wastewater</b>		
<i>The number of dry weather sewage overflows from Council's system (expressed per 1000 sewage connections to that sewage system.) - Non-sensitive receiving environments.</i>	December – 0.12 Year to date Result – 0.73	≤ 2/1000 (contracted Measure, not the LTP < 3/1000)
<i>The number of dry weather sewage overflows from Council's system (expressed per 1000 sewage connections to that sewage system.) - Sensitive receiving environments.</i>	December – 0.0 Year to date Result – 0.0	≤ 2/1000 (contracted Measure, not the LTP < 3/1000)

<i>Attendance time: from the time that Council receives a notification to the time that service personnel reaches the site.</i>	December – 41 Year to date Result – 48	≤ 60 mins
<i>Resolution time: from the time that Council receives a notification to the time that service personnel confirms resolution of the blockage or other fault.</i>	December – 75 Year to date Result – 119	≤ 240 mins
<i>The total number of complaints received by Council about any of the following (expressed per 1000 connections to the sewage system): - Sewage odour - Sewage system faults - Sewage system blockages - Council's response to issues with its sewage system.</i>	December – 0.30 Year to date Result – 1.94	≤ 10
<i>The total number of complaints received by Council about any of the following (expressed per 1000 connections to the sewage system):</i>	December – 0.30 Year to date Result – 1.94	≤ 10/1000
<i>Level of compliance, number of the following, Abatement, infringement notices, enforcement orders or convictions</i>	December – 1 Year to date Result – 0 (in this FY)	≤ 2
<i>Council's level of compliance with resource consents for discharge from its wastewater system, measured by the number of: - Convictions</i>	December – 0 Year to date Result – 0	0
<i>Stormwater</i>		
<i>The number of flooding events that occur in the district per annum (Event defined as a habitable floor flooded)</i>	December – 0.0 Year to date Result – 0.0	< 5
<i>For each flooding event, the number of habitable floors affected (expressed per 1000 properties connected to the stormwater system).</i>	December – 0.0 Year to date Result – 0.0	< 0.3
<i>The median response time to attend a flooding event, measured from the time that Council receives notification to the time that service personnel reach per quarter.</i>	December – 0.0 Year to date Result – 0.0	< 2 hours (LTP Measure, not the contracted < 8 hours)
<i>The total number of complaints received by Council about the performance of the stormwater system (expressed per 1000 connections):</i>	December – 0.24 Year to date Result – 0.86	< 1.25 (contracted Measure, not the LTP < 4)

Level of compliance, number of the following,  
Abatement, infringement notices, enforcement orders or  
convictions

2023/24 – 0  
(in this FY)

0

*Health and Safety*

*Safety: Lost time injury frequency rate (LTIFR) per million hours  
worked*

3.11

≤ 5

*Safety: Total recordable injury frequency rate (TRIFR) per  
million hours worked*

7.79

≤ 20

*Safety: 100% of Notifiable (or serious non-notifiable) Events  
reported to WDC within 2 hours of the occurrence*

100%

100%

*Safety: 100% of Notifiable Event reports supplied to WDC  
within 21 business days*

100%

100%

*Safety – the percentage of complaints resolved within ten  
working days*

100%

95%

*Safety- Health and safety Audit programme and action plan  
completed (6 monthly and then annually)*

100%

1

*Safety - All site emergency plans to be drilled six-monthly as  
per drill schedule*

100%

> 100%

*Safety - Monthly Health and safety meeting held with all  
workers*

1

> 90%

*Safety-Critical risk audit to be conducted by HSW BP Bi-  
monthly*

100%

1

*Safety -Actions required to be closed within one month*

100%

> 90%

<b>To</b>	<b>Waters Governance Board</b>
<b>Report title</b>	<b>Waters Reform Project Update – February 2024</b>
Date:	14 February 2024
Report Author:	Deron Sharma, Three Waters Reform Project Manager
Authorised by:	Gavin Ion, Chief Executive

## **1. Purpose of the report**

### **Te Take moo te puurongo**

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To update the Waters Governance Board (**the Board**) of current workstreams, activities, and key matters under the Waters Reform Project.

## **2. Executive summary**

### **Whakaraapopototanga matua**

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The National Party campaigned on the [Local Water Done Well Policy](#) in 2023, which guaranteed the revocation of the establishment of ten Waters Services Entities and the restoration of asset ownership to councils. The Government’s 100-day plan promises to furnish a repeal Bill to the House of Representatives (**the House**) by 20 February 2024.

A stop work notice was issued in late December 2023, directing the Department of Internal Affairs’ National Transition Unit (**the NTU**) to cease all work on the previous Government’s Affordable Waters Services Reform Program. Notwithstanding waters policy functions, all activity within the National Transition Unit will be disestablished to allow for program closure by 31 May 2024.

There is concern around the impacts of legislative changes on the 2024-2034 Long Term Plan (**the LTP**) process, timeline, and audit obligations. Staff are working through the implications of these changes with Council.

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### 3. Staff recommendations Tuutohu-aa-kaimahi

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#### That the Waters Governance Board:

- a. receives the Waters Reform Project Update February 2024 report; and
- b. notes that the project management for waters services reform is ongoing.

### 4. Discussion Matapaki

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#### 4.1 The Repeal Legislation

The repeal Bill is expected to be introduced in February 2024 and enacted as soon as possible. The Bill will propose the following changes:

- All legislation relating to the functions, powers, and establishment of the Water Services Entities will be repealed as prescribed by the Water Services Entities Act 2022, Water Services Entities Amendment Act 2023, and the Water Services Legislation Act 2023.
- To restore Council's ownership and control over three waters assets and service delivery, all previous legislation related to the provision of water services will be reinstated, including local government legislation.
- The Northland and Auckland Water Services Entity (the only entity that had been legally established under the Water Services Entities Act 2022) will be disestablished and any outstanding work on the Entity's establishment will cease.
- Councils will need to add and integrate information about water services into their LTPs. Some transitional support options will be available to assist councils in completing their LTPs.

#### 4.2 Impacts on the 2024-2034 LTP

The Minister for Local Government, Honorable Simeon Brown, has informed Council that Cabinet has agreed to the repeal Bill including temporary modifications to local government legislation for the transitional period affecting the LTPs.

These temporary modifications include:

- The ability for Councils to continue consulting on their LTP under previous policy settings and include water services material in the final plan, without reconsulting (but must consider the views and preferences of affected and interested persons as they consider appropriate).
-

- An extension on the LTP adoption deadline. For councils that are needing more time to develop and consult on long-term planning material, the statutory deadline by which the 2024 LTP must be adopted will be extended by three months – to 30 September 2024. This flexibility may be desirable to smaller councils with fewer resources, or those councils that would prefer to wait until the repeal legislation is enacted before starting consultation.
- Permission to have unaudited LTP consultation documents to help achieve statutory deadlines. This would allow auditing of the final LTP to proceed contemporaneously with consultation.

Staff are working through the options for discussion with Council.

It must be noted that the Minister for Local Government has also proposed transitional provisions to minimize the risk of future legal challenge associated with concerns about possible LTP process deficiencies. Further detail on this is expected to be contained within the Bill.

## 5. Next steps

### Ahu whakamua

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#### 5.1 The Repeal Legislation

Staff are awaiting the introduction of the repeal legislation to begin a regulatory impacts assessment. If appropriate, staff will make a submission to the relevant Select Committee.

#### 5.2 Impacts on the 2024-2034 LTP

Staff will continue to include the three waters services in Council's LTP process, with a view to undertake public consultation during March – April 2024, and ultimately adopt the LTP in June 2024. Staff will consider the options offered to Council through the temporary modifications to local government legislation affecting the LTP in the transitional period to determine the best option for Council.

## 6. Attachments

### Ngaa taapirihanga

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Attachment A

Ministerial Advice on the 2024 – 2034 LTP

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## Attachment: Long-term plan information shared with councils (FYI)

### Options to help councils complete their 2024-34 long-term plans

*Councils are seeking legislative certainty for their 2024-34 long-term plans and are seeking direction and support for how to continue to plan for and finance water services.*

*Different councils will have different needs and preferences and will be at various stages of developing their long-term plans.*

*To provide flexibility for these local circumstances, Cabinet has agreed the repeal bill will include temporary modifications to local government legislation for the transitional period affecting the 2024 long-term plans. Once the bill is passed, these options will be available for councils to use, as appropriate.*

*A few councils are preparing an unaudited three-year plan, with a focus on cyclone recovery, rather than a standard 10-year plan. As such, some of the proposed modifications may be less relevant to them.*

If your council is...	Options available
<p><b>Starting to prepare or consult on long-term planning material that includes water services information – ahead of the repeal bill being enacted</b></p>	<p><b>The enacted provisions clarify that the council can include water services material in the final plan, without re-consulting, but:</b></p> <ul style="list-style-type: none"> <li>• Must include new/updated information on water services in its final plan – to reflect the continuation of its responsibilities;</li> <li>• Must consider the views and preferences of affected and interested persons as it considers appropriate; and</li> <li>• Does not have to delay the adoption of its long-term plan past 30 June 2024 (in order to provide opportunities for public consultation on its revised proposals).</li> </ul> <p><b>Transitional provisions will also help ensure the risks of future legal challenge (associated with concerns about possible issues in process) will be minimised.</b></p>
<p><b>Needing more time to develop and consult on long-term planning material</b></p>	<p><b>The statutory deadline by which the 2024 long-term plan must be adopted will be extended by three months – to 30 September 2024.</b></p> <p>This flexibility may be desirable to smaller councils with fewer resources, or those councils that would prefer to wait until the repeal legislation is enacted before starting consultation.</p> <p>The deadline for adopting the 2023/24 annual reports will also be extended, to reflect the possible overlap in auditing processes if councils are taking longer than usual to finalise the long-term plan.</p> <p><b>Councils will be permitted to have unaudited long-term plan consultation documents.</b></p> <p>This would allow auditing of the final long-term plan to proceed in tandem with consultation, to help achieve statutory deadlines.</p>

*Councils have been operating in a period of uncertainty and complexity for some time, and may be seeking additional options with respect to their long-term planning obligations. Updates will be provided as any further decisions are made.*



<b>To</b>	<b>Water Governance Board</b>
<b>Report title</b>	<b>Three Waters Compliance Update</b>
Date:	17 January 2024
Report Author:	Marieka van der Lee, Water Quality Scientist Waikato District
Authorised by:	Gavin Ion, Chief Executive - Waikato District Council

## **1. Purpose of the report**

### **Te Take moo te puurongo**

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This report informs the Water Governance Board of the current compliance status within the Waikato District.

## **2. Executive summary**

### **Whakaraapopototanga matua**

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The Water Quality Scientist leads the compliance monitoring and reporting requirements for the WDC drinking water supplies, water and wastewater treatment plant resource consents, and provides technical support to the Production, Networks, Infrastructure and Customer Care teams. This enables those teams to meet their public health and environmental compliance obligations.

## **3. Staff recommendations**

### **Tuutohu-aa-kaimahi**

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**THAT the Waters Governance Board receives the Three Waters Compliance Update report.**

## **4. Background**

### **Koorero whaimaarama**

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The below tables set out:

- The compliance status for each wastewater treatment plant discharge consent, each water treatment plant water take consent and backwash discharge consent (limited to those that have monitoring and reporting requirements), and
  - Each drinking water supply's Drinking Water Standards (DWSNZ) compliance status for this compliance year to date.
  - Summary comments on the Drinking Water Quality Assurance Rule (DWQAR) compliance.
-

Notes for the below Resource consent tables:

- The tables do not include the numerous consent conditions that the Waikato Regional Council (WRC) considered fully compliant.
- The tables do not include non-compliances identified in WRC audit reports that have been fully resolved.
- The tables do not include non-compliances identified in WRC audit reports with future due dates and planned actions.
- Not all non-compliances require corrective actions (WRC may consider the circumstances and not require a corrective action but still issue a non-compliance).
- Operations and management plan reviews and updates are underway but are being undertaken on a risk-based approach to account for planned WWTP upgrade timeframes.
- All non-compliances are followed up with either short- or medium-term solutions or proposed long-term solutions.
- The WRC Compliance Rating Systems are set out in Appendix 1.

Notes for the below DWSNZ/ DWQAR table:

- Wai-comply carried out the DWQAR audit for the April-June 2023 period, which has been completed and is under section 2.
- Wai-comply carried out the DWQAR audit for the July-September 2023 period, which has been completed and is under section 3.
- The Wai Comply DWQAR Oct-Dec 2023 audit reports have been prepared for submission. Upon review we will receive the Findings Statement Report.

Notes for the below DWQAR Compliance comments table:

- Comments are general for supplies/zones.
-

## 1. Site Compliance Status from Waikato Regional Council Audits

Site:	Consent Type:	Consent number:	Last assessed by WRC:	Site Compliance Status:	Letter of Direction (LoD)/ Formal Warning (FW)/Abatement Notice (AN)	WRC Comments	Actions
<b>Meremere wastewater treatment plant</b>	Discharge to water	AUTH142286.01.01	December 2022	Low Risk Non-Compliance		Non-compliances relate to: <ul style="list-style-type: none"> <li>Odour Management Plan</li> </ul>	Odour Management Plan and Liaison group meetings- these issues have been addressed and actioned.
<b>Raglan wastewater treatment plant</b>	Discharge to water	AUTH971390.01.01	November 2023	Moderate Non-compliance	AN	Non-compliances relate to: <ul style="list-style-type: none"> <li>Continuing non-compliance for Total Suspended Solids.</li> <li>Discharge exceeding 2600m<sup>3</sup></li> <li>Faecal coliform limit exceedance</li> <li>Out of hours discharge</li> </ul>	The contract for the construction of the plant has been awarded to Apex. Construction is due to commence in early 2024.
<b>Huntly wastewater treatment plant</b>	Discharge to water	AUTH119647.01.02	January 2024	Moderate Non-compliance	LoD	Non-compliances relate to: <ul style="list-style-type: none"> <li>Increasing non-compliances Total Nitrogen Daily Load and Total Suspended Solids.</li> <li>Consented daily discharge limit exceedance</li> <li>Inflow and Infiltration Management Plan</li> </ul>	Huntly WWTP Upgrade – The treatment plant has been scoped for potential interim upgrade solutions to aid with the non-conformances and the outmoded pond system treatment method.

Site:	Consent Type:	Consent number:	Last assessed by WRC:	Site Compliance Status:	Letter of Direction (LoD)/ Formal Warning (FW)/Abatement Notice (AN)	WRC Comments	Actions
<b>Te Kauwhata wastewater treatment plant</b>	Discharge to water	AUTH117991.01.01	December 2023	Significant Non-Compliance	FW	Non-compliances relate to: <ul style="list-style-type: none"> <li>Continuing non-compliance for cBOD5, Total Kjeldahl Nitrogen, Total Nitrogen, Total Phosphorus, Total Suspended Solids, TN Load and TP Load.</li> </ul>	New WWTP in Te Kauwhata is nearly completed. Commissioning occurred in Dec 2023 and the request to lift the abatement notice will be by June 2024.
<b>Te Kowhai wastewater treatment plant</b>	Discharge to land	AUTH116151.01.01	March 2023	Low Risk Non-Compliance		Non-compliances relate to: <ul style="list-style-type: none"> <li>Discharge volume.</li> <li>Currently non-compliant against cBOD5, NH4N and TSS.</li> </ul>	We have been working on projects to help mitigate the non-compliance, including the RiverCare planting project.  Infiltration is an ongoing problem for the plant performance. Upgrade works are also being planned for Te Kowhai WWTP to improve inflow measurements and wastewater treatment which will address the non-conformances.
<b>Tauwhare wastewater treatment plant</b>	Discharge to land	AUTH121024.01.01	June 2021	High level of Compliance		2021-22 audit to be completed by WRC.	

Site:	Consent Type:	Consent number:	Last assessed by WRC:	Site Compliance Status:	Letter of Direction (LoD)/ Formal Warning (FW)/Abatement Notice (AN)	WRC Comments	Actions
<b>Maramarua wastewater treatment plant</b>	Discharge to land	AUTH132607.01.01	February 2022	Low Risk Non-Compliance		2021-22 audit to be completed by WRC. <ul style="list-style-type: none"> <li>Discharge flow limit exceedances were noted during the period.</li> </ul>	Networks/Infrastructure team working towards the Inflow and Infiltration Management Plan.
<b>Ngāruawāhia wastewater treatment plant</b>	Discharge to water	AUTH119642.01.02.	March 2023	Moderate Non-Compliance	LoD	Non-compliances relate to: <ul style="list-style-type: none"> <li>Continuing non-compliance for Ammoniacal Nitrogen and Total Nitrogen.</li> </ul>	Ngāruawāhia WWTP Upgrade – The treatment plant has been scoped for potential interim upgrade solutions to aid with the non-conformances and the outmoded pond system treatment method.
<b>Matangi wastewater treatment plant</b>	Discharge to land	AUTH105551.01.02	June 2023	Moderate Non-Compliance		Non-compliances relate to: <ul style="list-style-type: none"> <li>Discharge quantity exceedances.</li> </ul>	Consent is expired, revisions on discharge quantity and quality are being investigated during new application process.
<b>Te Akau water treatment plant</b>	Water take	AUTH110226.01.01	August 2021	Full Compliance		2022-23 audit to be completed by WRC.	
<b>Port Waikato water treatment plant</b>	Water take	AUTH136297.02.01	October 2023	Full Compliance			

Site:	Consent Type:	Consent number:	Last assessed by WRC:	Site Compliance Status:	Letter of Direction (LoD)/ Formal Warning (FW)/Abatement Notice (AN)	WRC Comments	Actions
Port Waikato water treatment plant	Water take	AUTH136297.01.01	October 2023	Low Risk Non-Compliance		<p>Non-compliances relate to:</p> <ul style="list-style-type: none"> <li>- Average stream flow increase in abstraction data during April-May.</li> </ul>	<p>On 19/04/2023 the weir level sensor at Port Waikato WTP failed, resulting in low weir readings and low stream flows.</p> <p>The level sensor was replaced on 20/04/2023 without the correct settings being transferred, resulting in higher weir levels and flow data.</p> <p>On 30/11/2023 the level sensor was corrected and the reviewed data was submitted to the WRC.</p>

Site:	Consent Type:	Consent number:	Last assessed by WRC:	Site Compliance Status:	Letter of Direction (LoD)/ Formal Warning (FW)/Abatement Notice (AN)	WRC Comments	Actions
<b>Port Waikato water treatment plant</b>	Discharge backwash water	AUTH136297.03.01	October 2023	Moderate Non-Compliance		<p>Non-compliances relate to:</p> <ul style="list-style-type: none"> <li>Total aluminium discharge limit exceedance</li> </ul>	<p>Actions have been taken by ceasing the backwash discharge since November 2022 and further investigation into the Total Aluminium exceedances.</p> <p>Actions were communicated to the WRC, and monitoring results were forwarded, highlighting that Total Aluminium results in the upstream exceeded the consented limits.</p> <p>In future it may be necessary to apply for a S127 change to the consent condition to better reflect the existing elevated aluminium in the stream so that we can resume backwashinf without risk of non-compliance.</p>
<b>Huntly/Ngāruawāhia water treatment plants</b>	Water take	AUTH136806	August 2021	Full Compliance		2022-23 audit to be completed by WRC.	

Site:	Consent Type:	Consent number:	Last assessed by WRC:	Site Compliance Status:	Letter of Direction (LoD)/ Formal Warning (FW)/Abatement Notice (AN)	WRC Comments	Actions
Huntly water treatment plant	Discharge backwash water	AUTH105035	August 2021	Not Assessed		This consent is not in use	This consent is not in use
Ngāruawāhia water treatment plant	Discharge backwash water	AUTH108157.01.01	September 2022	Moderate Non-Compliance	LoD	Non-compliances relate to: <ul style="list-style-type: none"> <li>Total Aluminium and Suspended solids consent limit exceedances</li> </ul>	The backwash discharge from the WTP will be connected to the wastewater network- this work is in progress.
Raglan water treatment plant	Water take	AUTH118341.01.01	August 2021	Low Risk Non-Compliance		Audit period 2019-2020 Non-compliances relate to: <ul style="list-style-type: none"> <li>A record of number of hours which water was taken each day.</li> <li>Requirement of a minimum of two manual water meter readings each calendar year to be forwarded to WRC.</li> <li>A renewed Water Demand Management Plan.</li> <li>Annual report must include all reporting requirements.</li> </ul>	All actions addressed. Abstraction data is recorded and twice yearly water meter readings are taken which are sent to WRC.  The reviewed Water Demand Management Plan was submitted to WRC in 2021.  The annual reporting requirements were reviewed.  In addition, new filters installed to mitigate turbidity levels from seismic activity.



<b>Site:</b>	<b>Consent Type:</b>	<b>Consent number:</b>	<b>Last assessed by WRC:</b>	<b>Site Compliance Status:</b>	<b>Letter of Direction (LoD)/ Formal Warning (FW)/Abatement Notice (AN)</b>	<b>WRC Comments</b>	<b>Actions</b>
<b>Onewhero water treatment plant</b>	N/a	N/a	N/a	N/a		Water take is within permitted activity limits and doesn't require a resource consent.	

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Site:	Consent Type:	Consent number:	Last assessed by WRC:	Site Compliance Status:	Letter of Direction (LoD)/ Formal Warning (FW)/Abatement Notice (AN)	WRC Comments	Actions
Te Kauwhata water treatment plant	Discharge backwash water	AUTH113133	March 2022	Low risk non-compliance		<p>2020-2021 Audit period</p> <p>Non-compliances relate to:</p> <p>Discharge up to 240 cubic metres per day of water treatment plant wastewater to a tributary of Ngariohe Stream.</p> <ul style="list-style-type: none"> <li>- Volumes of filter backwash water discharged from the Water Treatment Plant must be recorded and records submitted to WRC.</li> <li>- Consent holder must provide data that demonstrated the maximum hourly volume of filter backwasg discharged</li> <li>- Reduce the suspended solids being discharged from the settlement ponds to within consented limits as soon as possible.</li> </ul>	<p>Beca consultants were engaged in April 2022 to prepare a response.</p> <p>Backwash discharges are currently totalised daily measing plant inflow andproduction (plant inflow – water supplied to users).</p> <p>To reduce the suspended solids in the discharge both pond 1 and 2 were desludged in 2021-2022. Sludge was disposed to the Hampton Doens Landfill. A new outfall structure for pond 1 was also constructed to aid with suspended solids and more effenciey in recording flow rates. Additiaonlly, the outflow structures limits capacity so that daily outflow limits are not exceeded.</p>

## 2. Drinking Water Quality Assurance Rule (DWQAR) Compliance April - June 2023

Supply	Type	Drinking Water Quality Assurance Rule 2022 Compliance Status April 2023-June 2023	Comment on Drinking Water Standards Compliance
Huntly	Supply	WTP DWQAR T3 Bacterial Rule: Compliant WTP DWQAR T3 Protozoal Rule: Compliant Zone DWQAR D3 Disinfection Rule: Not Met* Zone DWQAR D3 Microbiological Rule: Compliant	*1 of 50 FAC Samples <0.1 mg/L.
Ngāruawāhia	Supply	WTP DWQAR T3 Bacterial Rule: Compliant WTP DWQAR T3 Protozoal Rule: Compliant Zone DWQAR D3 Disinfection Rule: Compliant Zone DWQAR D3 Microbiological Rule: Compliant	Nil.
Raglan	Supply	WTP DWQAR T3 Bacterial Rule: Compliant WTP DWQAR T3 Protozoal Rule: Compliant Zone DWQAR D3 Disinfection Rule: Compliant Zone DWQAR D3 Microbiological Rule: Compliant	Nil.
Te Kauwhata	Supply	WTP DWQAR T3 Bacterial Rule: Compliant WTP DWQAR T3 Protozoal Rule: Compliant Zone DWQAR D3 Disinfection Rule: Compliant Zone DWQAR D3 Microbiological Rule: Compliant	Nil.
Te Akau	Supply	Zone DWQAR D1 Rule: Compliant	Nil.
Port Waikato	Supply	WTP DWQAR T2 Rule: Compliant Zone DWQAR D2 Rule: Not Met*	*1 of 28 samples FAC <0.1 mg/L
Onewhero	Supply	WTP DWQAR T1 Rule: Compliant Zone DWQAR D1 Rule: Compliant	Nil.
Southern Districts, Waikato DC	Distribution only	Zone DWQAR D3 Disinfection Rule: Compliant Zone DWQAR D3 Microbiological Rule: Compliant	Nil.
Tuakau	Distribution only	Zone DWQAR D3 Disinfection Rule: Compliant Zone DWQAR D3 Microbiological Rule: Compliant	Nil.
Pokeno	Distribution only	Zone DWQAR D3 Disinfection Rule: Compliant Zone DWQAR D3 Microbiological Rule: Compliant	Nil.
North Western Dist, Waikato DC	Distribution only	Zone DWQAR D1 Rule: Compliant	Nil.
Western District, Waikato DC	Distribution only	Zone DWQAR D2 Rule: Compliant	Nil.

### 3. Drinking Water Quality Assurance Rule (DWQAR) Compliance July - September 2023

Supply	Type	Drinking Water Quality Assurance Rule 2022 Compliance Status April 2023-June 2023	Comment on Drinking Water Standards Compliance
Huntly	Supply	WTP DWQAR T3 Bacterial Rule: Compliant WTP DWQAR T3 Protozoal Rule: Compliant Zone DWQAR D3 Disinfection Rule: Compliant Zone DWQAR D3 Microbiological Rule: Compliant	Nil.
Ngāruawāhia	Supply	WTP DWQAR T3 Bacterial Rule: Compliant WTP DWQAR T3 Protozoal Rule: Compliant Zone DWQAR D3 Disinfection Rule: Compliant Zone DWQAR D3 Microbiological Rule: Compliant	Nil.
Raglan	Supply	WTP DWQAR T3 Bacterial Rule: Compliant WTP DWQAR T3 Protozoal Rule: Compliant Zone DWQAR D3 Disinfection Rule: Compliant Zone DWQAR D3 Microbiological Rule: Compliant	Nil.
Te Kauwhata	Supply	WTP DWQAR T3 Bacterial Rule: Compliant WTP DWQAR T3 Protozoal Rule: Compliant Zone DWQAR D3 Disinfection Rule: Compliant Zone DWQAR D3 Microbiological Rule: Compliant	Nil.
Te Akau	Supply	Zone DWQAR D1 Rule: Compliant	Nil.
Port Waikato	Supply	WTP DWQAR T2 Rule: Compliant Zone DWQAR D2 Rule: Compliant	Nil.
Onewhero	Supply	WTP DWQAR T1 Rule: Compliant Zone DWQAR D1 Rule: Compliant	Nil.
Southern Districts, Waikato DC	Distribution only	Zone DWQAR D3 Disinfection Rule: Compliant Zone DWQAR D3 Microbiological Rule: Compliant	Nil.
Tuakau	Distribution only	Zone DWQAR D3 Disinfection Rule: Compliant Zone DWQAR D3 Microbiological Rule: Compliant	Nil.
Pokeno	Distribution only	Zone DWQAR D3 Disinfection Rule: Compliant Zone DWQAR D3 Microbiological Rule: Compliant	Nil.
North Western Dist, Waikato DC	Distribution only	Zone DWQAR D1 Rule: Compliant	Nil.
Western District, Waikato DC	Distribution only	Zone DWQAR D2 Rule: Compliant	Nil.

#### 4. Drinking Water Quality Assurance Rules (DWQAR) Compliance comments.

Supply	Type	Comment on Quality Assurance rules
Huntly	Supply	<ul style="list-style-type: none"> <li>• Source Water Risk Management Plan (SWRMP) and Catchment Risk Assessment (CRA) – consultants (Tokin n Taylor) have been engaged to undertake the SWRMP and CRA across the WDC supplies with an expected completion in 2024.</li> <li>• Laboratory monitoring schedules has been reviewed and updated to demonstrate compliance against the DWQAR for the 2023-2024 FY.</li> <li>• Drinking Water Safety Plan (DWSP) was reviewed and updated in November 2023.</li> </ul>
Ngāruawāhia	Supply	<ul style="list-style-type: none"> <li>• Source Water Risk Management Plan (SWRMP) and Catchment Risk Assessment (CRA) – consultants (Tokin n Taylor) have been engaged to undertake the SWRMP and CRA across the WDC supplies with an expected completion in 2024.</li> <li>• Laboratory monitoring schedules has been reviewed and updated to demonstrate compliance against the DWQAR for the 2023-2024 FY.</li> <li>• Drinking Water Safety Plan (DWSP) was reviewed and updated in November 2023.</li> </ul>
Raglan	Supply	<ul style="list-style-type: none"> <li>• Raglan drinking water supply may be subject to a fluoridation direction under the Health (Fluoridation of Drinking Water) Amendment Act 2021 due to having a reasonable population size and not currently being fluoridated.</li> <li>• Drinking Water Safety Plan (DWSP) was reviewed and updated in November 2023.</li> <li>• Source Water Risk Management Plan (SWRMP) and Catchment Risk Assessment (CRA) – consultants (Tokin n Taylor) have been engaged to undertake the SWRMP and CRA across the WDC supplies with an expected completion in 2024.</li> <li>• Laboratory monitoring schedules has been reviewed and updated to demonstrate compliance against the DWQAR for the 2023-2024 FY.</li> </ul>
Te Kauwhata	Supply	<ul style="list-style-type: none"> <li>• Drinking Water Safety Plan (DWSP) was reviewed and updated in November 2023.</li> <li>• Source Water Risk Management Plan (SWRMP) and Catchment Risk Assessment (CRA) – consultants (Tokin n Taylor) have been engaged to undertake the SWRMP and CRA across the WDC supplies with an expected completion in 2024.</li> <li>• Laboratory monitoring schedules has been reviewed and updated to demonstrate compliance against the DWQAR for the 2023-2024 FY.</li> </ul>

Supply	Type	Comment on Quality Assurance rules
<b>Te Akau</b>	Distribution only (as of January 2024)	<ul style="list-style-type: none"> <li>Te Akua has been changed from a Networked Supply to a Linked Supply on Hinekorako upon review from Taumata Arowai.</li> <li>Updated Drinking Water Safety Plan (DWSP) in November 2023.</li> <li>Laboratory monitoring schedules has been reviewed and updated to demonstrate compliance against the DWQAR for the 2023-2024 FY.</li> </ul>
<b>Port Waikato</b>	Supply	<ul style="list-style-type: none"> <li>Updated Drinking Water Safety Plan (DWSP) in November 2023.</li> <li>Source Water Risk Management Plan (SWRMP) and Catchment Risk Assessment (CRA) – consultants (Tokin n Taylor) have been engaged to undertake the SWRMP and CRA across the WDC supplies with an expected completion in 2024.</li> <li>Laboratory monitoring schedules has been reviewed and updated to demonstrate compliance against the DWQAR for the 2023-2024 FY.</li> </ul>
<b>Onewhero</b>	Supply	<ul style="list-style-type: none"> <li>Updated Drinking Water Safety Plan (DWSP) in November 2023.</li> <li>Source Water Risk Management Plan (SWRMP) and Catchment Risk Assessment (CRA) – consultants (Tokin n Taylor) have been engaged to undertake the SWRMP and CRA across the WDC supplies with an expected completion in 2024.</li> <li>Laboratory monitoring schedules has been reviewed and updated to demonstrate compliance against the DWQAR for the 2023-2024 FY.</li> </ul>
<b>Southern Districts, Waikato DC</b>	Distribution only	<ul style="list-style-type: none"> <li>Updated Drinking Water Safety Plan (DWSP) in November 2023.</li> <li>Laboratory monitoring schedules has been reviewed and updated to demonstrate compliance against the DWQAR for the 2023-2024 FY.</li> </ul>
<b>Tuakau</b>	Distribution only	<ul style="list-style-type: none"> <li>Updated Drinking Water Safety Plan (DWSP) in November 2023.</li> <li>Laboratory monitoring schedules has been reviewed and updated to demonstrate compliance against the DWQAR for the 2023-2024 FY.</li> </ul>

Supply	Type	Comment on Quality Assurance rules
<b>Pokeno</b>	Distribution only	<ul style="list-style-type: none"> <li>• Updated Drinking Water Safety Plan (DWSP) in November 2023.</li> <li>• Laboratory monitoring schedules has been reviewed and updated to demonstrate compliance against the DWQAR for the 2023-2024 FY.</li> </ul>
<b>North Western Dist, Waikato DC</b>	Distribution only	<ul style="list-style-type: none"> <li>• Updated Drinking Water Safety Plan (DWSP) in November 2023.</li> <li>• Laboratory monitoring schedules has been reviewed and updated to demonstrate compliance against the DWQAR for the 2023-2024 FY.</li> </ul>
<b>Western District, Waikato DC</b>	Distribution only	<ul style="list-style-type: none"> <li>• Updated Drinking Water Safety Plan (DWSP) in November 2023.</li> <li>• Laboratory monitoring schedules has been reviewed and updated to demonstrate compliance against the DWQAR for the 2023-2024 FY.</li> </ul>

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## 5. Discussion Matapaki

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- New compliance sample points have been chosen for treated effluent and raw influent following the Te Kauwhata WWTP upgrades.
  - An investigation has commenced at Huntly WTP regarding Geosmin levels (2MIB – Taste and Odor Compounds) prior to, during, and post-treatment to optimise PAC dosing better.
  - The new E.coli and total coliform testing methodology implemented by Watercare Laboratory in September was successful.
  - WDC Wastewater Treatment Plants are now visible and loaded onto Hinekōrako.
  - Upon review of our supply by Taumata Arowai, Te Akau has been changed from a Networked Supply to a Linked Supply on Hinekōrako to represent the water system correctly.
  - The Wai Comply Audit for the July – September quarter was fully compliant with the DWQAR.
  - The Wai Comply Oct-Dec 2023 reports have been prepared for submission.
  - All WDC Water Safety Plans were updated in November 2023. Watercare has engaged Tonkin and Taylor consultants to review the Source Water Risk Management Plans (SWRMP) and Catchment Risk Assessments (CRA).
  - A review of the 2023 Chemical Compliance data for T3 rules under Table 33 of the DWQAR has been completed. All WDC WTP's had chemical determinants under 50% of the MAV, concluding that sampling frequency can be reduced as none were determined to have an elevated value range.
  - The new Taumata Arowai Report "*Network Environmental Performance Measures (NEPM)*" has been completed and reviewed by the regulator.
  - There was a positive E.coli detection in Huntly on November 11 2023. The chlorine residual was 1.09 mg/L, and all tests conducted in the Huntly distribution zone during the three consecutive days of re-sampling returned results of <1 MPN/100mL. Taumata Arowai was notified throughout the event occurrence.
  - The successful completion of the Te Kowhai RiverCare project pre-planting and planting milestones as a part of the Te Kowhai WWTP consent conditions.
  - Positive total coliforms result at Te Kawhata WTP has highlighted the need for treated water sample point upgrades. Kitchen sink taps inside WTP impose a significant risk of bacterial contamination, leading to results that may not be representative of the water quality.
-



- Challenges in Compliance - According to the Taumata Arowai DWQAR for Residual disinfection – 85% of free available chlorine samples in a month must be >0.20mg/L in each distribution network zone, with no results <0.1 mg/L.

Since June 2023, two results have been below 0.2 mg/L, but none below 0.1 mg/L. Under previous regulations, residual disinfection was not a compliance reporting requirement - this change in compliance requirements is a challenge felt across the water industry.

- WDC received a renewed Abatement Notice against the Raglan WWTP discharge consent in 2023 (following the cancellation of the 2021-2022 Abatement Notice). The primary reason for the renewed abatement notice was the three unplanned/out-of-hours discharges to the Raglan Harbour in October 2023. Watercare investigated the event and identified programming errors in the automated plant operating system (PLC).

New systems have been put in place to prevent this from occurring in the future, including new plant discharge alarms and validation procedures for data being uploaded to the PLC. In conjunction with max daily flow exceedances due to the plant experiencing unprecedented high flows and inundation from severe weather events in 2022-2023, the treated effluent quality remains non-compliant for faecal coliforms and total suspended solids.

In December, an audit response letter was submitted to WRC detailing the audit actions and providing the requested information for the Raglan WWTP. Non-compliances relating to effluent quality will be resolved with the upcoming WWTP upgrades. Planning is well underway, the project went out for tender in September 2023.

- On Friday, 8 December 2023, there was a UV fault at the Raglan WWTP, causing the plant to shut down and miss the scheduled discharge. To avoid a potential overflow and the uncertainty around the availability of the UV technician outside of hours, a manual discharge was initiated without UV.

The discharge was stopped after 1 hour and 20 minutes, and approximately 269 m<sup>3</sup> of partially treated effluent discharged on the outgoing tide. For more information, please see the report submitted to the Waikato Regional Council in December 2023.

- The WaiComply audit report for July to September was very positive and attached. The October to December report is expected in late February (Timeframe dependant on the level of enquiries and additional information required by WaiComply).
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## 6. Attachments

### Ngaa taapirihanga

#### APPENDIX 1 Regional Council Resource Consent Compliance Rating System

##### July 2021- onwards:

Compliance Status	Compliance Grade
	<b>Not Assessed</b>
	<b>Full Compliance</b> Full compliance with all relevant consent conditions, plan rules, regulations and national environmental standards.
	<b>Low Risk Non-Compliance</b> 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).
	<b>Moderate Non-Compliance</b> 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.
	<b>Significant Non-Compliance</b> 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.

##### Prior to July 2021:

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.

#### APPENDIX 2 Raglan WWTP No UV Discharge Investigation Report

#### APPENDIX 3 Watercare Waikato\_Statement on Drinking Water Quality Performance Jul-Sep 2023

<b>To</b>	<b>Waters Governance Board</b>
<b>Report title</b>	<b>Raglan Wastewater Treatment Plant Non-Compliant Discharge Investigation</b>
Date:	14 February 2024
Report Author:	Keith Martin, Waters Manager (on behalf of Watercare)
Authorised by:	Gavin Ion, Chief Executive

## **1. Purpose of the report**

### **Te Take moo te puurongo**

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To update the Waters Governance Board of the investigation undertaken by Watercare Serviced Limited (**Watercare**) pertaining to the unconsented discharge of partially treated effluent from the Whaingaroa Raglan Wastewater Treatment Plant on 9 December 2023.

## **2. Executive summary**

### **Whakaraapopototanga matua**

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Please refer to the “Summary” section in the report prepared by Watercare (**Attachment A**).

## **3. Staff recommendations**

### **Tuutohu-aa-kaimahi**

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**THAT the Waters Governance Board receives the Raglan Wastewater Treatment Plant Non-Compliant Discharge report.**

## **4. Attachments**

### **Ngaa taapirihanga**

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Attachment A Raglan WWTP No UV Discharge Investigation Report December 2023

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**Report By:** Nidhita Gosai (Process Engineer – Watercare Waikato)  
**Date:** 11/12/2023

**Summary**

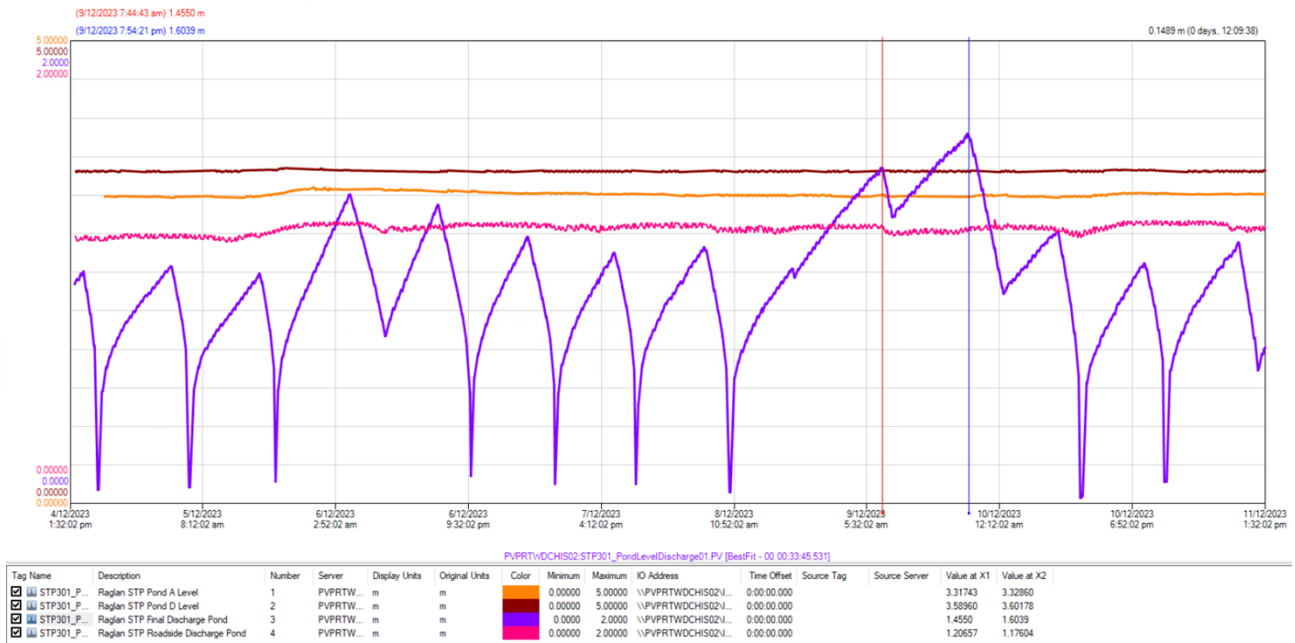
On Friday 8<sup>th</sup> December 2023, there was a UV fault in the Raglan Wastewater Treatment Plant (WWTP) system causing the plant to shut down and miss a scheduled discharge (6:08 PM). An operator was sent on that evening to Raglan WWTP to reset the fault on the UV unit. On Saturday 9<sup>th</sup> December in the early morning, it was identified that the fault of the UV unit had occurred during the warmup process prior to the next scheduled discharge. To avoid a potential overflow and the uncertainty around contacting a UV technician out of business hours, a manual discharge was initiated without UV. The discharge was stopped after a duration of 1 hour and 20 minutes, during this time approximately 269 m<sup>3</sup> of partially treated effluent was discharged on the outgoing tide.

**Date Time of Incident:** 09/12/23 07:48 AM

**Background**

The Raglan wastewater treatment plant operates a tidal discharge, meaning the plant is consented to discharge on the outgoing tide. The plant systems are programmed to automate the discharge pumping and final UV treatment. However, if multiple discharges fail consecutively that causes the effluent to flow to the roadside pond. There is a risk of overtopping and compromising the roadside pond embankments and contaminating the estuary beside Wainui Road.

On Saturday 9<sup>th</sup> December at 7:34 AM the Pond D level was 3.60 m and Pond A level was 3.31 m. The final pond level was 1.50 m at 7:34 AM and the roadside pond was 1.20 m. After the manual discharge, the level dropped to 1.20 m in the final pond. However, it can be seen in the trends that the level increased in the final pond to 1.60 m after 11 hours until the next tidal discharge where the level in the final pond decreased.



It is to be noted that if the final discharge pond exceeds 1.5 m, the effluent hydraulically flows to the roadside pond and once the roadside pond reaches 1.7 m, there is a potential to breach the roadside embankment and overflow to the estuary on Wainui Road.



Figure 1 Raglan WWTP Site Layout - Updated for construction

Pond A & D (as per **Figure 1**) have a Hi Level setpoint of 3.90 m and the level is kept around 3.6 m by the operator due to the high levels of sludge build up. This compromises the available buffer volume capacity of the pond, and it is being run at the maximum levels according to the OEM Manual for Raglan WWTP.

### ***Sequence of Events following the discharge on the 9<sup>th</sup> of December***

- Watercare management were notified.
- Waikato Regional Council was notified of the incident at 9:30 AM on 9<sup>th</sup> December (Ref# 1431758).
- WDC (Waikato District Council) were notified at 10:15am by email and phone call.
- UV Lamp #23 was replaced on Saturday 9<sup>th</sup> December by UV technician at the UV shed.
- Sampling was conducted for Faecal coliform and Enterococci on Saturday 9<sup>th</sup> & Sunday 10<sup>th</sup> December (see below results).
- Programming will be assessed according to the lab results if the UV unit can run with 1 ballast fault and 2 UV lamps not running (see lab results).

### **Sequence of Events in more detail**

The sequence of events leading up to the no UV discharge is as follows:

1. On Friday 8<sup>th</sup> December's evening there was a failed discharge (initiated at 06:08 PM) and a UV fault was evident on the SCADA system. Around 9:30 PM the on-call operator attended the issue on site at the UV shed with the support of the process engineer to reset the UV fault. The UV fault was reset, and the unit was ready to receive the commands for the next discharge sequence which was at 8:42 AM on Saturday morning.
2. On Saturday 9<sup>th</sup> December the next discharge was monitored to ensure it was initiated and completed adequately. At 7:30 AM the UVs completed the warmup sequence as normal but then failed and went into a fault alarm which stopped the discharge sequence. Due to the nature of the situation, an attempt was made to escalate the issue to a senior manager, but the on-call staff member was unable to make contact. A call was made to the UV technician's out of hours number to arrange urgent dispatch to Raglan WWTP. A discharge was initiated in engineering mode as the ponds were quite full and was at risk of missing two consecutive discharges. The decision was made to run the pumps in manual mode at 7:48 AM to reduce the volume of effluent in the ponds until a technician could arrive to address the UV fault. There was a risk of the ponds over topping if a third consecutive high tide discharge was missed.
3. A call back was received from the senior manager and the situation and decision was re-assessed and it was determined there was sufficient time before the ponds would be at risk of overtopping to wait for the UV technician and the discharge was stopped at 8:10 AM. The discharge duration was 1 hour and 20 mins and 269 m<sup>3</sup> of partially treated effluent was discharged to the outgoing tide. This incident was reported to Waikato Regional Council and Waikato District Council.
4. The UV technician arrived on site and UV lamp 23 was checked and tested but there were no issues with the lamp itself. Further diagnostics were completed, and it was discovered that the ballast (this is physical hardware in the UV control cabinet that amplifies the input voltage so that the output voltage is high enough to spark the UV lamp during the warmup sequence) was faulty for lamps 23 & 24 (1 ballast is required for 2 UV lamps). The technician was able to confirm that they had a spare UV ballast in their stores but would not be replaced until Monday 11<sup>th</sup> December. The technician was able to bypass the UV system to run with 22 lamps (out of 24 lamps) in time for the next discharge. A sample was taken of the partially treated effluent and taken to Watercare labs on the same day.
5. On Sunday 10<sup>th</sup> December it was ensured that the next high tide discharge occurred, and the ops team member took a sample of the fully treated (running with 22 lamps) and this was taken to the Watercare labs for assessment.
6. On Monday 11<sup>th</sup> December at 8:30 AM the faulty ballast was replaced, and the UV unit was tested and passed. A manual discharge was initiated on the outgoing tide as usual as the repairs had bypassed the automatic discharge sequence. The discharge was successfully completed and all tidal discharges thereafter have been completed with no issues.



## Final Statement

While the no UV discharge is regrettable, it is crucial to note that enough partially treated wastewater was discharged to avoid over topping the embankments. The discharge consisted of partially treated effluent, which fortunately occurred on the outgoing tide deeming it as low risk to public health.

We deeply regret any inconvenience this situation may have caused and remain committed to addressing and rectifying the fault.

## Lab Results for Faecal Coliform & Enterococci (cfu/100 mL) – Consent Limit is <35 cfu/100 mL

Sample Details		
Lab Sample ID:	231209-070-1	
Client Sample ID:		
Sample Date/Time	09/12/2023 11:20	
Description:	Raglan No UV	
General Testing		
Total Nitrogen (as N)	mg/L	27
Microbiology		
Enterococci by Membrane Filtration		
Enterococci	cfu/100 mL	250
Faecal coliforms by Membrane Filtration		
Faecal coliforms	cfu/100 mL	9300

Figure 2 Watercare lab results for 9th December No UV Sample

Sample Details		
Lab Sample ID:	231210-046-1	
Client Sample ID:		
Sample Date/Time	10/12/2023 08:40	
Description:	Raglan WWTP Post UV 22 Lamps	
General Testing		
Total Nitrogen (as N)	mg/L	29
Microbiology		
Enterococci by Membrane Filtration		
Enterococci	cfu/100 mL	9.8
Faecal coliforms by Membrane Filtration		
Faecal coliforms	cfu/100 mL	21

Figure 3 Watercare lab results for 10th December 22 UV lamp sample

It can be seen (in **Figures 2 and 3**) that the lab results differ between the UV sample and the No UV sample. However, it can be concluded that running the UV with 22 lamps instead of 24 lamps due to a ballast fault does not breach the consent limit of <35 cfu/100 mL for Faecal coliform and Enterococci. In contrast, November 2023's compliance results sampled on 28<sup>th</sup> November had a result of 18 cfu/100 mL for faecal coliform and <1.6 cfu/100 mL for Enterococci.

**Recommendations**

1. To remedy similar incidents from occurring in the future it is recommended to alter the discharge UV programming sequence to allow for a discharge with the exception of 1 lamp or 1 ballast fault as this will still achieve compliance levels and not disrupt the discharge. An alarm can be set up on SCADA to notify the operator and process engineer regarding the UV fault so they can arrange the repair after the discharge is complete.
2. The escalation process has been improved to provide clarity of who can approve a discharge in breach of consent unless there is an immediate risk of dam failure.
3. The Operating manuals for the plant will be renewed with the new plant construction due for completion by 1<sup>st</sup> July 2025.



<b>To</b>	<b>Waters Governance Board</b>
<b>Report title</b>	<b>Exclusion of the Public</b>
Date:	Wednesday, 7 February 2024
Report Author:	Elizabeth Saunders, Senior Democracy Advisor
Authorised by:	Gaylene Kanawa, Democracy Manager

## 1. Staff recommendations

### Tuutohu-aa-kaimahi

**THAT the public be excluded from the following parts of the proceedings of this meeting.**

**The general subject of each matter to be considered while the public is excluded, the reason for passing this resolution in relation to each matter, and the specific grounds under section 48(1) of the Local Government Official Information and Meetings Act 1987 for the passing of this resolution are as follows:**

General subject of each matter to be considered	Reason for passing this resolution in relation to each matter	Ground(s) under section 48(1) for the passing of this resolution
Item PEX 1 Confirmation of Minutes	<b>Good reason to withhold exists under Section 6 or Section 7 Local Government Official Information and Meetings Act 1987</b>	Section 48(1)(a)
Item number PEX 2 Action Register		
Item PEX 3.1 Waters Financial Report – January 2024		
Item PEX 3.2 Capital Delivery Programme Overview		

This resolution is made in reliance on section 48(1)(a) of the Local Government Official Information and Meetings Act 1987 and the particular interest or interests protected by Section 6 or Section 7 of that Act which would be prejudiced by the holding of the whole or relevant part of the proceedings of the meeting in public, as follows:

Item No.	Section	Interest
<b>Item PEX 1</b> <b>Confirmation of Minutes</b>  <b>Item number PEX 2</b> <b>Action Register</b>	<b>Refer to the previous Public Excluded reason in the agenda for this meeting.</b>	
<b>Item PEX 3.1</b> <b>Waters Financial Report - January 2024</b>	<b>7(2)(b)(ii)</b>   <b>7(2)(h)</b>	<b>To protect information that would otherwise unreasonably prejudice a person's commercial position</b>  <b>To enable commercial activities to be carried out without prejudice or disadvantage.</b>
<b>Item PEX 3.2</b> <b>Capital Delivery Programme Overview</b>	<b>7(2)(h)</b>   <b>7(2)(i)</b>	<b>To enable commercial activities to be carried out without prejudice or disadvantage.</b>  <b>To enable negotiations to carry on without prejudice or disadvantage.</b>

## 2. Attachments

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There are no attachments for this report.

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