

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 **TUESDAY, 7 MAY 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

Meeting held on Wednesday, 27 March 2024. 6

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GJ Ion
CHIEF EXECUTIVE

TERMS OF REFERENCE AND DELEGATION

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

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.

To	Waters Governance Board
Report title	Confirmation of Minutes
Date:	Tuesday, 30 April 2024
Report Author:	Elizabeth Saunders, Senior Democracy Advisor
Authorised by:	Gaylene Kanawa, Democracy Manager

1. Purpose of the report **Te Take moo te puurongo**

To confirm the minutes for a meeting of the Waters Governance Board (WGB) held on Wednesday, 27 March 2024.

2. Staff recommendations **Tuutohu-aa-kaimahi**

THAT the minutes for a meeting of the Waters Governance Board held on Wednesday, 27 March 2024 be confirmed as a true and correct record.

3. Attachments **Ngaa taapirihanga**

Attachment 1 – WGB Minutes – Wednesday, 27 March 2024.

MINUTES for a meeting of the Waters Governance Board of the Waikato District Council held in The Council Chambers, District Office, 15 Galileo Street, Ngaruawahia on **WEDNESDAY, 27 MARCH 2024** commencing at **10.30AM**.

Present:

Mr D Wright (Chairperson)
Mr GJ Ion (Chief Executive, Waikato District Council)
Mr G Dibley

Attending:

Cr E Patterson – *from 11.10am*
Cr T Turner
Cr P Thomson
Cr D Whyte
Mrs M Paki (Iwi Relationships Executive Manager)
Ms M May (General Manager Service Delivery)
Mr K Martin (Waters Manager)
Mrs J Calambury
Ms C Pidduck (Legal Counsel)
Mr D Sharma (Three Waters Reform Project Manager)
Mr J Baldwin (Waters Engineering Manager)
Mr M Bourne (Chief Operations Officer - Watercare)
Mr M Telfer (Operations Manager Waikato – Watercare)
Mr S Northland (HSW Business Partner – WDC)
Ms E Saunders (Senior Democracy Advisor)

The meeting was opened with a karakia.

APOLOGIES AND LEAVE OF ABSENCE

Resolved: (Mr Wright/Mr Dibley)

THAT the Waters Governance Board receives the apology from:

- a. Ms R Schaafhausen & Ms J Colliar for non-attendance.

CARRIED

WGB2403/01

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 Wednesday, 27 March 2024:

- 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

CARRIED

WGB2403/02

DISCLOSURES OF INTEREST

There were no disclosures of interest.

CONFIRMATION OF MINUTES

Resolved: (Mr Ion/Mr Dibley)

THAT the minutes for a meeting of the Waters Governance Board Meeting held on Wednesday, 14 February 2024 be confirmed as a true and correct record of that meeting.

CARRIED

WGB2403/03

ACTIONS REGISTER

Agenda Item 5

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

- It was noted that Council staff have been in contact with the Department of Conservation (DOC) and DOC have acknowledged the need for an Asset Management Plan. It was confirmed that the Dam is a DOC asset and is located on DOC land so all liability sits with them from a health & safety perspective.
- It was advised however that whilst the Dam is a DOC asset it would be beneficial for Council to still be involved in the DOC Asset Management Plan or be a key stakeholder as the Water Treatment Plant is located in close proximity to the Dam. Council staff to follow this up.

ACTION: Council staff to work with Department of Conservation (DOC) to ensure that the Ngaaruawaahia Water Treatment Plant is referenced in their Asset Management Plan and Council are included as a key stakeholder.

- Mr Telfer provided the Board with an update on the Raglan CCTV work that was undertaken including a small powerpoint map presentation highlighting the sections of network that has been tested. It was noted that 98% of the Raglan Network have now been tested in the last three months.
- The outcome from all the testing that has been undertaken confirms there is no human waste that has been detected in the network.
- It was noted that the Open drain is owned by Council and a brief explanation was provided by Mr Telfer in regards to the reasons the drain will remain open.

ACTION: A communication and engagement session with the the Raglan Community (via the Raglan Community Board) along with the Waikato Regional Council is to be arranged to present the outcomes from the CCTV testing.

- A brief overview of the remaining Action items (Levels of Service; Standardisation and Critical Spares) was provided by Mr Telfer with no further updates from the report. .
- It was noted that work is underway behind the scenes to collate all the relevant information for the Annual Plan for both the Meremere & Maramarua Audit. Once the information is collated a formal request will be submitted to Regional Council for another audit to be undertaken.

Resolved: (Mr Wright/Mr Dibley)

THAT the Waters Governance Board receives the Actions Register to March 2024.

CARRIED

WGB2403/04

REPORTS

Three Waters Governance Report – March 2024

Agenda Item 6.1

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

Key Highlights:

- An update on the employee who sustained a chemical burn injury was provided to the Board and it was noted that the employee has now returned to work. A full report on the incident has been sent to WorkSafe and it was further noted that Watercare have made a recent change to the minimum PPE gear that is required for both contractors and visitors who are onsite.
- The abatement notice for Ngaaruawaahia Wastewater Treatment Plant has been received and it will be presented to the board within the next two meetings.

Questions/Discussion:

- It was noted in response to a query that Watercare are working with Kiwirail to gain approval to undertake the Ngaaruawaahia Pipeline works which run underneath the tracks. It was further noted that Legal Counsel are updating the Council Insurers so they are aware of the works.
- Compliance Update: Mr Telfer provided further clarification on the first annual report from January to December 2023 which was submitted to Taumata Arowai via the Hinekorako system along with the Geosmin results.
- It was noted by the Board that there are still questions to be answered around the investigation report which didn't seem to go far enough. Questions have been raised with Watercare and a response is yet to be received.
- Te Kauwhata Wastewater Treatment Plant: It was confirmed that BECA have completed the report on the long list discharge options and discussions with Iwi and key stakeholders on the preferred option is the next step.
- It was queried whether the BECA report included any indicative costs? Mr Telfer will confirm this but doesn't believe that indicative costs were included. The concern Council have is the affordability issues with the options that are on the table – all options can be done but the cost restraints and affordability issues need to be highlighted.
- Moving forward it was noted that the Te Kauwhata Wastewater Treatment Plant report needs to be a complete package that includes all of the relevant technical, planning and affordability issues to ensure all areas are covered.

ACTION: Both Council staff and Watercare to come back to the Board at the next meeting with an updated report on the Te Kauwhata Wastewater Treatment Plant that includes the proposed timeline from both a planning (Consultation) and technical aspect along with the indicative costs for all the options on the table.

- It was noted that the Raglan Wastewater Treatment Plant investigation into a disposal option for sub-surface dripper land disposal on the Wainui Reserve is complete but the Board haven't received the report to date? Mr Telfer provide the Board with an update and advised that the plan is to have the consent applied for by the end of the year.
- It was advised that the futher option being looked at for land disposal is land that Council already have access to. It was further noted that the option to discharge into the harbour will always remain on the table.
- Mr Telfer confirmed that the consent conditions are being met at the Te Kauwhata Wastewater Treatment Plant.

ACTION: Watercare staff to confirm all compliance for the Te Kauwhata Wastewater Treatment Plant for the Board at the next meeting.

Resolved: (Mr Wright/Mr Ion)

THAT the Waters Governance Board receives the Three Waters Governance report for March 2024.

CARRIED

WGB2403/05

Risk Register Update – March 2024

Agenda Item 6.2

The Three Waters Reform Project Manager spoke to the report which was taken and the following discussion was held:

- It was noted by the Board that the report is very well written and it was confirmed in relation to Risk #40 that the affordability issues come with the discharge options – not the actual building of the plant.

Resolved: (Mr Dibley/Mr Ion)

THAT the Waters Governance Board receives the Risk Register Update March 2024 report.

CARRIED

WGB2403/06

Watercare Health & Safety Procedures and Supporting Systems Overview

Agenda Item 6.3

Ms M Telfer spoke to the report and the following discussion was held:

- Mr Sean Northland (HSW Business Partner – WDC) was introduced to the Board and provided a detailed overview of the report.
- It was noted that Watercare have a Health & Safety management plan in place the Board was given an online tour of the detailed information that is available to staff.
- It was queried whether an independent external audit had been undertaken with staff out in field? It was confirmed tha the next Audit is scheduled to take place in April 2024.
- It was further queried whether it would be possible to have the independent auditor come along to a Board meeting to present their audit findings once completed without the presence of Watercare? It was confirmed that the question can absolutely be asked and it should not be a problem.
- Mr Telfer took the Board through the Watercare IT system and the reporting methods that staff complete when reporting any Health & Safety issues was highlighted.
- It was queried whether there is any mechanisms in place with the IT system to ensure staff aren't just ticking boxes but actually have options to report any issues clearly and in detail. It was noted that Watercare staff have plenty of options to report any Health & Safety issues and Watercare are constantly looking at opportunities for improvement with the system.
- Mr M Bourne gave an overview of the Health & Safety Committees structures that are in place across all areas of the business and they include staff from a wide range of roles in the business and meet monthly to share information.
- A query was raised in regards to the processes in place for monitoring any outstanding incidents or actions – how are Watercare monitoring the outstanding incidents that are over 30 days old and how do the Board know that these actions are actually being completed? A report will be provided to the Board to specifically address outstanding actions and completion.

ACTION: Watercare to report back to the Board on the Outstanding Actions as they are closed out and completed

Resolved: (Mr Wright/Mr Dibley)

THAT the Waters Governance Board receives the Watercare Health & Safety Procedures and Supporting Systems Overview Report.

CARRIED

WGB2403/07

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
Item PEX 1 Confirmation of Minutes	Good reason to withhold exists under Section 6 or Section 7 Local Government Official Information and Meetings Act 1987	Section 48(1)(a)
Item number PEX 2 Action Register		
Item PEX 3.1 Waters Financial Report - February 2024		
Item PEX 3.2 Capital Delivery Programme Overview - March 2024		
Item PEX3.3 Tamahere/Matangi Zones - Long Term Serving Options		

- 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:

To	Waters Governance Board
Report title	Actions Register
Date:	Tuesday, 30 April 2024
Report Author:	Gavin Ion, Chief Executive

1. Purpose of the report

Te Take moo te puurongo

To update/inform the Waters Governance Board on actions following the Waters Governance Board meeting held on Wednesday, 27 March 2024.

2. Staff recommendations

Tuutohu-aa-kaimahi

THAT the Waters Governance Board receives the Actions Register to April 2024.

3. Attachments

Ngaa taapirihanga

Attachment 1 – Actions Register to April 2024.

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 due July 2024.
27/3/2024	A communication and engagement session with the Raglan Community (via the Raglan Community Board) along with the Waikato Regional Council is to be arranged to present the outcomes from the CCTV testing.	Mathew T	May 2024	A presentation to the Raglan Community Board in May or next available meeting
27/3/2024	Both Council staff and Watercare to come back to the Board at the next meeting with an updated report on the Te Kauwhata Wastewater discharge consent that includes the proposed timeline from both a planning (Consultation) and technical aspect along with the indicative costs for all the options on the table.	Richard Bax/ Richard Pullar	May 2024	Update: Report delayed due to availability and annual leave. Report will be presented in June. Verbal update from Richard Pullar regarding last community meeting update.
27/3/2024	Watercare staff to confirm all compliance for the Te Kauwhata Wastewater Treatment Plant for the Board at the next meeting.	Mathew T	May 2024	WSL board report and compliance update

To	Waters Governance Board
Report title	Three Waters Governance Report – May 2024
Date:	7 May 2024
Report Author:	Keith Martin, Waters Manager
Authorised by:	Anthony Averill, Deputy General Manager, Service Delivery

1. Purpose of the report

Te Take moo te puurongo

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

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

3. Staff recommendations

Tuutohu-aa-kaimahi

THAT the Waters Governance Board receives the Three Waters Governance May 2024 report.

4. Attachments

Ngaa taapirihanga

Attachment A Waikato Monthly Governance Report May 2024

WAIKATO DC

THREE WATERS GOVERNANCE REPORT

MAY 2024



Mathew Telfer
Operation Manager
Watercare Waikato
May 2024

1. Highlights and lowlights

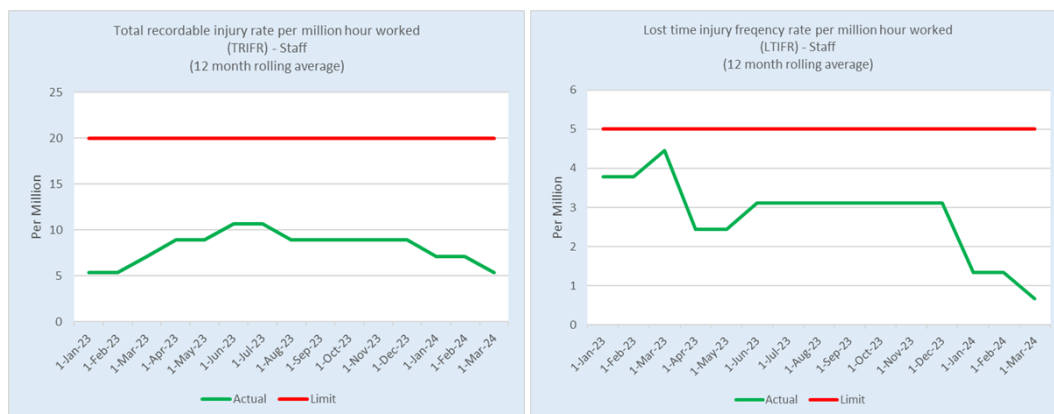
- All results were achieved in March and YTD, excluding the level of compliance, number of the following, Abatement, infringement notices, enforcement orders or convictions, as detailed in the compliance section.
- After commissioning the new Te Kauwhata WWTP upgrades, effluent quality results fully comply with the consent conditions, which is very positive - update in the compliance paper.
- The Cambrae Road Stormwater project in Raglan is nearing completion, which will allow for lifting the abatement notice.
- Water Meter Renewals for the year have been completed.
- An assessment of using gate valves instead of ball valves is underway. This will determine if the value type impacts the testing because the gate valve can not create a suitable seal.
- The Raglan CCTV project is nearing completion, with 18 of 20 issued maps completed. On completion, over 90% of the Raglan network will have been surveyed (noting the deliberate exclusion of WW lines with an age of 8 years or less).
- The appointment of the delivery telemetry contract was completed in April.
- The Raglan WWTP Upgrade is underway, with the earthworks completed in March. The reactor tank construction commences in April. The detailed M&E plant design has been submitted for final review.

2. Health and Safety

2.1. What we've seen this month

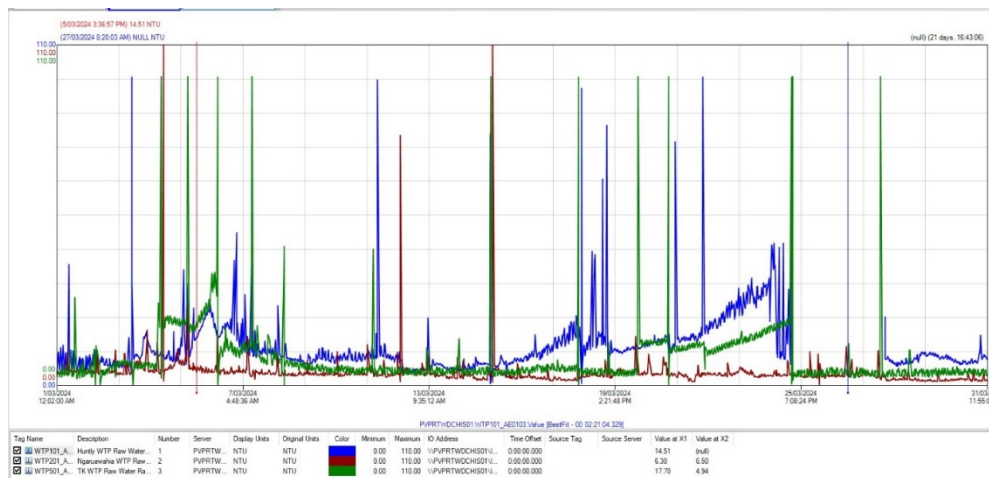
- No staff lost Time Injury (LTI) or restricted Duties Injury (RDI) in March. There was an MTI recorded in April. When inserting a stop log into a chamber upstream of the UV wet well, a wastewater treatment operator suffered a splash of wetland effluent on the eye. The operator required medical treatment with antibiotics to address potential infection. We are now implementing wearing safety glasses as a mandatory requirement when working on all operational Water and Wastewater sites in the WDC region. This will apply to all staff and contractors working on-site.
- An incident involving a contractor and overhead powerlines occurred in April. The notification to the Council and the associated incident report are in Appendix 1.
- The IMPAC audit will be completed in April.

2.2. Metrics



3. Operations

3.1. Production



Ngaruawahia WTP (Brown), Te Kauwhata WTP (Green), Huntly WTP (Blue)

- The raw water turbidity is monitored at each plant (March graph above). Turbidity in March has been reasonably stable. We continue to use results from raw water grab sample UVT tests to identify changes in organic content.
- The installation of new raw water UVT analysers continues for the Huntly and Ngaruawahia WTPs. Te Kauwhata WTP UVT analyser is almost complete and waiting for commissioning on SCADA.
- PAC dosing continued during March at the Huntly and Ngaruawahia WTP's.
- Te Kauwhata WWTP final effluent results are well within compliance parameters. Improvements are still to be made to the raw sewage wet well pumping, and final snag items are to be completed. This includes upgrading the chemical dosing system from sodium bicarbonate to bulk storage and dosing caustic soda 30%.
- Te Akau WTP upgrade work is making slow progress. A new site for the new bore has been established and marked out for initial earthworks. WDC must either purchase or put an easement over the new bore location. A new reservoir outflow meter has been installed and is to be electronically connected to SCADA in April. The new rising main from the plant to the reservoir will be directionally drilled and installed in April. The reservoir level transmitter is now linked to SCADA, providing real-time level information online.

3.2. Networks

- Water Meter Renewals – The 2023/24 meter renewal project is complete. Nivec Civil finished the final in-line meters in Tuakau in March. Several meters were moved from locations within the property boundary to outside the boundary to comply with the bylaw and make meter reading easy. This project will recommence in July 2024 when the next batch of 15-year-old meters (currently 14) is renewed.
- Backflow Testing – As of March '24, 1767 backflow devices (or 46%) have been tested throughout the district. The failure rate of the Watts devices seemed uncommonly high, and

our engagement with the backflow supplier is ongoing. An assessment of using gate valves instead of ball valves is underway. This will determine if the valve type impacts the testing because the gate valve can not create a suitable seal. Watercare will explore options to change from Watts to Wilkins brand devices if this issue can not be resolved.

- Staff Training – Both networks' cadets have been enrolled in their Connexis Level 3 Certificate in Infrastructure Works. They must complete both Water and Wastewater/Stormwater strands before specialising in their Level 4 qualifications. Another staff member has also been enrolled in Level 4 Wastewater Infrastructure Works.
- The Raglan CCTV project is nearing completion, with 18 of 20 issued maps completed. On completion, over 90% of the Raglan network will have been surveyed (noting the deliberate exclusion of WW lines with an age of 8 years or less). The remedial works programme is also well underway, with 29 patch repairs being made to date. No significant defects were found in the March survey work. We expect to wrap up the Raglan CCTV project and the associated remedial work in early May.
- As part of an odour investigation, a manhole located at 28 Button Lane, Taupiri, was found to have significant hydrogen sulphide (H₂S) damage. In response to this issue, a comprehensive replacement of the entire manhole was conducted. Concurrently, we strategically rerouted the rising main discharge to minimize the risk of splashing and mitigate any potential recurrence of similar damage.



4.3.2 Stormwater projects

- A meeting with the property owners impacted by the Hakanoa project was held in Feb, and the new expectation of Feb 2025 for the construction was communicated, as well as the commitment to provide an update in April. The project scope will be increased to include the new funding from the Central Government.
- The Cambre road project is progressing well, as detailed in the Stormwater Network Upgrades section below.

4. Planning and project delivery

4.1. Infrastructure Planning

Infrastructure Planning – Water Supply

Model Updates

The two modelling assessments and full water supply masterplan updates for Southern Districts and Tuakau networks are nearing completion. The Southern Districts ‘System performance and optioneering’ report has been issued and is currently under review by the Watercare Planning and Operations team. This report provides a thorough evaluation of the present and future system performance, along with a list (with explanations) of capital upgrade projects aimed at enhancing service levels. Notably, this marks the first update since 2013.

This year, we initiated two additional model updates for the Mid-Waikato and Pokeno regions. On March 11, 2023, all pressure and flow loggers were successfully installed, initiating a three-week monitoring period aimed at capturing peak summer conditions. This field testing is crucial for calibrating the model accurately. Furthermore, hydrant flow testing was conducted on March 28, 2024. In Pokeno, six hydrants were tested, while seven sites were tested across Te Kauwhata, Meremere, and Rangiriri. Detection Services carried out hydrant flow testing under the supervision of the Watercare Project Manager.



Figures 1 and 2: Staff from Detection Services carrying out hydrant flow testing (with assistance from the Watercare Project Manager).

Water Demand Management Plan

We encountered challenges with the data compiled for the current demand analysis component of the Water Demand Management Plan. The data compiled for some sites were incomplete and inaccurate. However, with support from Hamilton City Council (for Southern Districts bulk supply points) and Watercare Auckland (Tuakau/Pokeno bulk supply points), we successfully addressed the issues and were able to advance with the demand analysis.

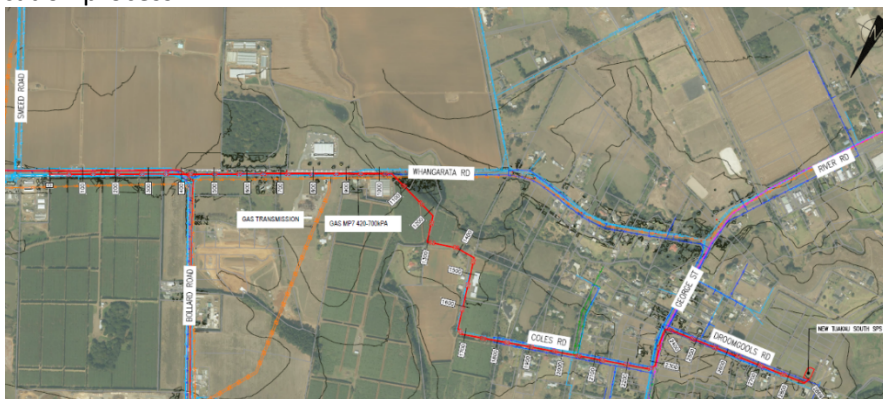
Water Treatment Plants – Interim Upgrades

The Watercare Planning/Projects team (in collaboration with the Production team) has engaged BECA to investigate issues at the Ngaaruawaahia, Rāhui Pōkeka Huntly and Te Kauwhata Water

Treatment Plants. The BECA team issued their interim upgrade concept design report for Te Kauwhata, which outlines the interim upgrade objectives, design details, and a high-level consenting strategy. The costs associated with the interim upgrades will be factored into the Long-Term Plan.

Infrastructure Planning – Wastewater

- 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 identified the need for an additional data period, which is now completed. Further engagement is needed to undertake a GPS survey and site network verification to allow final system inputs and model completion.
- Huntly Inflow and Infiltration (I&I) - Consultants have been engaged to undertake network monitoring separate from the network modelling. Stage 1 deployment has been completed, and data reviewed. Additional work, including a GPS survey at one site to confirm pipe grade, is required. This will be completed with Huntly network model survey works. Once the site locations are complete for deployment, stage two will follow.
- The Raglan WW model – Flow gauge has been installed at Wallis Street WWPS, and Draw-down testing at Nero is yet to be completed. This is required before the model recalibration occurs and will be undertaken following the completion of Huntly flow gauging.
- Tuakau South WW Servicing – Beca has completed a secondary assessment including a third alignment to incorporate with the 17A Coles Road development. Two of the three alignments are considered viable and will be refined and assessed based on cost. Opportunity for easement within the 17A Coles Road development is being pursued through the consent application process.



Alignment Option C: Gravity sewer through 17A Coles Road.

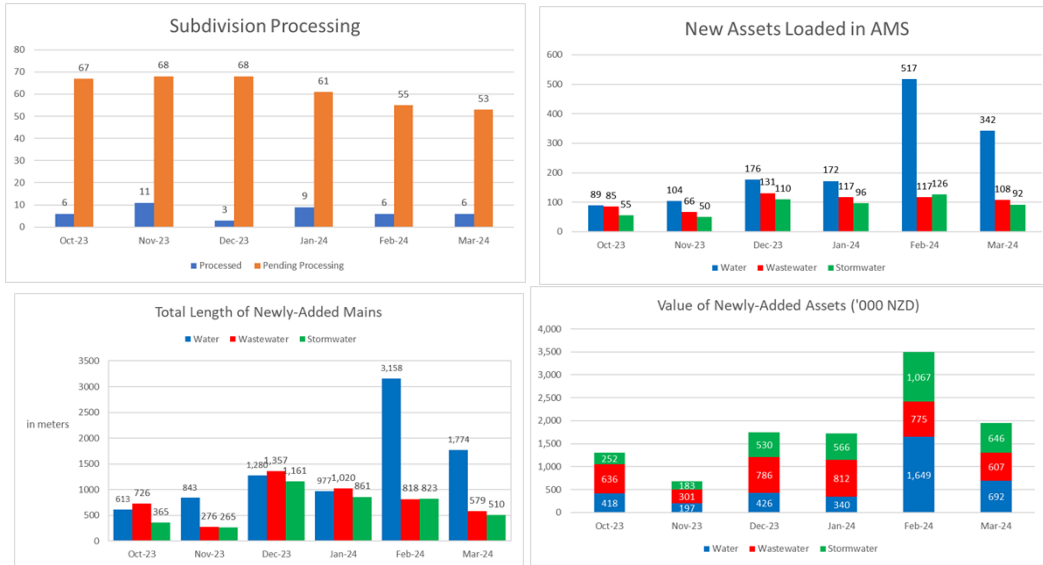
4.2. Development and growth

- Input was given on stormwater matters on HCC's Fastrack Rotokauri development application.
- Development inquiries have been steady and relate to existing proposals, with guidance being provided for residential development proposals in Pookeno and Tuakau with Munro Road (development includes new school) and 111 Harrisville Road.
- Advice was also given to Builtsmart regarding the services they will need to provide for their development at 3761 Great South Road Huntly.

- A discussion was had with the Galbraith Street developer about rerouting the wastewater pump station rising main.

4.3. Asset Management

- This month, 542 three-water assets were added to the database, covering 2.86 km of main lines and a combined value of \$1.94m.
- A pipe upgrade project in Raglan (Bow and Main Streets) amounting to one million dollars has been capitalised.
- Updating the asset condition to EAM is currently ongoing.



4.4. Project delivery

Water Network Upgrades

Mid-Waikato

- **Te Kauwhata Reservoir 2:** The gravel raft and connecting pipework are complete. Tying reinforcing and staged pours of the base slab are underway. Fabrication of the precast panels has commenced.



Te Kauwhata Reservoir 2- Tying the base slab reinforcing.

- The Rangiriri pipeline and associated pipelines on Te Kauwhata Road have progressed through the commissioning tasks, and connections to the local network have now been made. The remaining reinstatement, asbuilding, and project close-out tasks can begin.
- **Helenslee Road (3) Booster Pump Station**
A pump station will be constructed to address pressure issues in the northern area of Helenslee and supply future developments in Pokeno West Stage 4. Site options for the future WS booster pump station have progressed, with planning pieces to support an acquisition of land nearing completion. The preferred site is located on a historical heritage site. As such, site meetings with Mana Whenua and consultant archaeologists have been completed to support an application for consent with Heritage NZ.



1860s photograph and option analysis for WS Booster PS – Helenslee Road

- **Pokeno Road extension.** Work has commenced at the busy Pokeno Road intersection. Potholing and service mapping confirmed the design alignment across the utility-congested Pokeno Road carriageway. Installation tasks will continue through April and are anticipated to conclude in mid-May.



The Pokeno bulk water supply network is missing the link route.

Completed Water Sites [March progress]

State-Highway 26

In March, an as-built submission and a supporting request for Practical Completion Certification (PCC) were made. As-built information forms an important part of the project, whereas the plans received were unsatisfactory to approve PCC. Revisions are underway.

In the meantime, planning is underway for the final planting reinstatement on State Highway 26 to ensure we complete this task in optimum conditions. A site walkover is also scheduled for March to confirm that the project has been completed in full and to capture any defects.

Huntly's Riverview Road WS renewal

Site walkovers are needed to confirm the project's defect lists (snags) have been completed; however, Practical Completion cannot be certified until an as-built submission is made. Once received and approved, the contractor will gain Practical Completion, and internal capitalisation tasks will commence.

District-Wide Water Renewals - Package 1

All defects listed over the thirteen completed water renewal sites are now resolved. Final Completion Certification was gained, and the remaining 50% retention monies were released back to our physical works partner.

District-Wide Water Renewals - Package 2

Two large water renewal and extension sites in the Mid-Waikato area gained Final Completion Certification. Project Retention Monies held were released back to our physical works partner.

Stormwater Network Upgrades

Raglan - Cambrae Road Stormwater

The project addresses an abatement notice for flood remediation served to the Waikato District Council (WDC) in 2020. The scope of work is to replace the existing undersized culvert pipe and associated assets, mitigate the impacts of flooding from the currently piped stream, and plant and restore all disturbed areas.

Following a complete overhaul of the design and approach to design faults, access, and environmental challenges we've encountered, physical works commenced in March with significant progress made.



Cambrae Road Culvert Upgrade – Downstream headwall

Wastewater Network Upgrades

- Ngāruawāhia Pipeline – Work is well underway on Great South Road and will continue into October. The Kiwi Rail under-track crossing is complete. Only the chamber construction on each side remains. Work on the 375mm branch sewer in Galbraith St is complete; only reinstatement remains outstanding.



Ngāruawāhia Pipeline - The undertrack pipe being pulled into the casing

- The Washer Road Rising Main is being installed up to the railway crossing. An agreement is being prepared with the Ports of Auckland to secure an easement for the new pipeline.
- The Tuakau Interceptor M&E WWPS Upgrade: Construction of the new control building is underway, and the switchboard is being assembled in the factory. Site installation will follow.

Treatment Plant Upgrades

- **Huntly WWTP Initial Works** – The initial works designs are underway:
 - The concept design of the 2029 Liquid Stream Upgrade is complete.
 - The temporary plant trial is complete and the report is being prepared.
 - A power supply upgrade request has been submitted to Wel Networks.
 - The inlet screen and outfall pump station upgrade detailed-design is underway and is due to be completed in July.



Huntly WWTP Upgrade Concept Design: New outfall Pump Station and the future MBR Upgrade

- **Raglan WWTP Upgrade** –The plant upgrade will return the process to compliance. The earthworks are complete. The reactor tank construction commences in April. The detailed M&E plant design has been submitted for final review.



Raglan WWTP MBR Upgrade– Reactor tank site concrete pour, base slab reinforcing will follow.

- **Ngāruawāhia WTP Upgrade** – The resource consent application for the new run-to-waste system has been granted, commencing July 2024. A final chamber and the automation setup are to be installed. Commissioning can then be completed.

Telemetry project

- Following the successful acquisition of additional funding and requisite approvals from the WGB and WDC in October 2023, our project, with a valuation exceeding \$4.0 million, necessitated a closed tender procurement process. The appointment of the delivery contract was completed in early April so the project delivery will now commence.

5. Compliance

- The monthly reports for March drinking water quality assurance rules (DWQAR) demonstrated compliance.
- After commissioning the new Te Kauwhata WWTP upgrades, effluent quality results fully comply with the consent conditions, which is very positive.

	cBOD5	Total Kjeldahl Nitrogen	Total Nitrogen	Total Phosphorus	Total Suspended Solids
Jul-23	8.700	31.700	32.000	2.760	30.600
Aug-23	8.300	24.900	26.000	1.960	20.000
Sep-23	3.300	39.600	41.000	2.600	1.400
Oct-23	3.600	30.200	32.000	2.000	4.600
Nov-23	4.200	47.100	49.000	4.180	5.200
Dec-23	4.400	20.800	24.000	6.980	3.400
Jan-24	0.710	10.600	11.000	0.298	2.000
Feb-24	0.250	2.460	2.400	2.280	1.400
Mar-24	0.250	0.980	3.000	1.640	3.200

- New sample bollards have been installed in the network and at Onewhero and Te Akau WTP, addressing compliance concerns regarding sample point access and bacterial contamination.
- The updated water quality measures will be presented in the Compliance report board paper.
- Taumata Arowai commenced the DWSP review with the Pokeno and Tuakau supply; the close-out letter and feedback from the Taumata Arowai representative were positive. The Huntly-Ngaruawahia supply is now under review.
- The new water quality measures below reflect the change to reporting requirements.

6. Customer and Billing

Billing and Customer

- Huntly Invoices were raised and posted in the first week of March 2024.
- The north area reading began to be read.
- Leadership walk—a site visit to witness contractors completing a Backflow Prevention test in the southern district.



7. Strategic resource consents.

Raglan WWTP:

- The investigation into a disposal option for sub-surface dripper land disposal on the Wainui reserve is complete, and the concept report has been received.
- A further option is being looked at for the Wainui reserve, which would look at land contact discharge through a planted area. Beca has been engaged to develop this concept.
- Apex Water has been established on-site for the MBR plant upgrade project.

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 falls outside the WDC/WSL contract, with the WDC managing this process.
- Beca has completed a report on the Long List Discharge Options. WDC is to distribute the report to iwi and stakeholders.

Matangi WWTP:

- Beca has delivered a report on the Matangi treatment plant performance. It contains recommendations for improvements in the plant and network.
- Part of the findings identified raised levels of Dissolved Organic Phosphorus in one of the four bores. Being isolated to a single bore near the recirculation bed will be discussed with WRC before determining what treatment is required, if any. Further groundwater effects assessment is likely required following discussions with WRC.
- The average and 90%ile flow has been identified as needing to be higher than the current consent limits. This, along with the level of total nitrogen and nitrate, will require mitigation through carbon dosing and pH correction, cut and carry maintenance, and the potential need for additional land.

8. Key performance indicators

KPI – description	Results	Target 2022/2023
	Water	
<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 (protozal 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>	March - 10 Year to date - 22	≤ 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>	March – 59 Year to date - 74	≤ 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>	March – 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>	March – 2 Year to date - 1	< 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>	March – 0.74 Year to date Result – 8.77	≤ 22/1000 (contracted Measure, not the LTP < 25/1000)
	Wastewater	
<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>	March – 0.12 Year to date Result – 1.21	≤ 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>	March – 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>	March – 21 Year to date Result – 44	≤ 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>	March – 81 Year to date Result – 137	≤ 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>	March – 0.48 Year to date Result – 3.52	≤ 10
<i>The total number of complaints received by Council about any of the following (expressed per 1000 connections to the sewage system):</i>	March – 0.48 Year to date Result – 3.52	≤ 10/1000
<i>Level of compliance, number of the following, Abatement, infringement notices, enforcement orders or convictions</i>	February – 2 Year to date Result – 3 (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>	March – 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>	March – 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>	March – 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>	March – 0.05 Year to date Result – 1.65	< 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*

0.67

≤ 5

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

1.78

≤ 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%

9. Appendix

1. Health and Safety incident report and email.
2. Safety Alert

The Event

On the 05/04/2024 an excavator boom struck an overhead powerline.

- The service technician arrived on site and started the service without reporting in.
- The hire company service technician slewed the excavator and raised the boom for easier service access, striking the powerline.
- The service technician had observed the powerline though did not consider them when operating.
- Worksafe were notified.
- The power company (WEL) were notified and attended site to ensure the site was safe.

Learnings

- All workers are to “report in” and off site.
- This “report in” process provides for discussion of risks and the controls applicable to the task.
- There was a Close Approach Consent held on site and procedures used that had enabled work to be completed safely next to the powerlines.
- Use of these existing procedures would have prevented this incident.
- Plant should be parked clear of lines when possible or physical control applied.
- The operator should have remained in the cab until cleared by the powerline company.



Recommendations

- Ensure the company has a mandatory requirement for all workers report in and out of a site.
- Provide workers who operate plant controls to follow when working around overhead powerlines.
- Provide workers who operate plant with actions to follow should they strike an overhead powerline or underground electric cable.
- Apply lockout tags to plant with existing hazards in the location.

Controls for working alongside powerlines include:

- Work method and plant to be selected so there is no potential to encroach on the 4m Minimum Approach Distance (MAD) whenever possible.
- Where there is a potential to encroach within the 4m MAD implement additional controls to ensure 4m MAD is not encroached upon. (Safety Observer, MAD indicator, means of warning, earth plant, earth zone around plant).
- Height of line or horizontal clearance to be established (allowing for wind and line loading variations).
- Work within 4m MAD only after line owners' consent has been obtained and once compliance with all line owner requirements is established and sufficient competent workers and hazard controls are in place.
- Check if getting powerline turned off is possible for work required within 4m MAD.

Extract from WEL brochure.

(<https://www.wel.co.nz/media/c45ksbev/wel-ecp-34-brochure.pdf>)

Follow the 4 metre rule. All work activity below power lines must be at least 4 metres away from the lowest line/s. If you need to work closer than this, you must apply for a Close Approach Consent by calling us before commencing work activity.



What to do if you hit a power pole, line or cable:

- » If in a vehicle or heavy machine, stay inside it.
- » However, if you're at serious risk of another hazard such as fire, then jump well clear - DO NOT touch the vehicle/machine and the ground at the same time.
- » Call WEL immediately on 0800 800 935 to report the incident and wait for help to arrive.

If you come across such an incident DO NOT approach. Call WEL immediately, and if anyone is injured, call 111.

To	Waters Governance Board
Report title	Three Waters Compliance Update
Date:	7 May 2024
Report Author:	Marieka van der Lee, Water Quality Scientist Waikato District
Authorised by:	Anthony Averill, Deputy General Manager, Service Delivery

1. Purpose of the report

Te Take moo te puurongo

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

2. Executive summary

Whakaraapopototanga matua

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

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

4. Background

Koorero whaimaarama

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 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.
- Wai-comply carried out the DWQAR audit for the October-December 2023 period, which has been completed and is under 4.

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
Meremere wastewater treatment plant	Discharge to water	AUTH14228 6.01.01	December 2022	Low Risk Non-Compliance		Non-compliances relate to: <ul style="list-style-type: none"> Odour Management Plan 	<ul style="list-style-type: none"> Odour Management Plan and Liaison group meetings- these issues have been addressed and actioned. A request has been made to WRC to audit the site to remove the historic addressed non-compliance.
Raglan wastewater treatment plant	Discharge to water	AUTH97139 0.01.01	November 2023	Moderate Non-compliance	AN	Non-compliances relate to: <ul style="list-style-type: none"> Continuing non-compliance for Total Suspended Solids. Discharge exceeding 2600m³. Faecal coliform limit exceedance Out of hours discharge 	<ul style="list-style-type: none"> The contract for the construction of the plant has been awarded to Apex. Construction is due to commence in early 2024. Options for the future discharge consent continue to be assessed.
Huntly wastewater treatment plant	Discharge to water	AUTH11964 7.01.02	January 2024	Moderate Non-compliance	LoD	Non-compliances relate to: <ul style="list-style-type: none"> Increasing non-compliances Total Nitrogen Daily Load and Total Suspended Solids. Consented daily discharge limit exceedance. Inflow and Infiltration Management Plan 	<ul style="list-style-type: none"> 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. I&I management plan has been provided.

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 wastewater treatment plant	Discharge to water	AUTH11799 1.01.01	December 2023	Significant Non-Compliance	FW	<ul style="list-style-type: none"> • Non-compliances relate to: • Continuing non-compliance for cBOD5, Total Kjeldahl Nitrogen, Total Nitrogen, Total Phosphorus, Total Suspended Solids, TN Load and TP Load. 	<ul style="list-style-type: none"> • The new WWTP in Te Kauwhata is completed and performance testing is complaint (as detailed below) with the consent conditions, the team is looking to apply in May for the abatement notice to be lifted.

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 Kowhai wastewater treatment plant	Discharge to land	AUTH11615 1.01.01	February 2024	Moderate Non-Compliance		<ul style="list-style-type: none"> • Non-compliances relate to: • Discharge volume. • Currently non-compliant against cBOD5, NH4N and TSS. 	<ul style="list-style-type: none"> • We have been working on projects to help mitigate the non-compliance, including the RiverCare planting project. • The high flows have been investigated and are thought to possibly be un-representative of the actual volumes processed by the plant. To determine the validity of the flow meter, the pipework and meter configuration were assessed, and it was found to be outdated and below standard. Incorrect installation methods were identified, the meter will be replaced with a properly fitted model that aligns with today's standards. • The team has also engaged in preliminary discussions regarding what the optimal I&I works approach is, including smoke surveys and potentially further inspections onto private property to ensure there are no underlying issues outside of our network. • To address the effluent quality issues, the team assessed process optimisation tactics and de-watered the recirc and septic tanks to reduce sludge and scum build up. Additionally, the team is also scoping the process of replacing the de-nitrate media within the sand-contact tank.

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
Tauwhare wastewater treatment plant	Discharge to land	AUTH12102 4.01.01	June 2021	High level of Compliance		2021-22 audit to be completed by WRC.	
Maramarua wastewater treatment plant	Discharge to land	AUTH13260 7.01.01	February 2022	Low Risk Non-Compliance		2021-22 audit to be completed by WRC. <ul style="list-style-type: none"> Discharge flow limit exceedances were noted during the period. 	<ul style="list-style-type: none"> Networks/Infrastructure team working towards the Inflow and Infiltration Management Plan.

Ngāruawāhia wastewater treatment plant	Discharge to water	AUTH11964 2.01.02.	February 2024	Significant Non-Compliance	LoD, AN	<p>Non-compliances relate to:</p> <ul style="list-style-type: none"> Continuing non-compliance for Ammoniacal Nitrogen and Total Nitrogen. Failure to design, build, and commission an upgrade within 2 years of the trigger level reached (breached in 2021). Request for inflow and infiltration update. 	<ul style="list-style-type: none"> 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. The team has been trialling an ultrasonic unit in the ponds that is designed to control algae levels, therefore improving the performance of the Actiflow. A new screening facility is being progressed through tender. WWTP Interim Upgrade: An outline design has been developed. Surveys and a pilot trial are required to progress the design - flow and load monitoring along with inter-process sampling completed in November 2023. This collected results for four weeks, every second month, four times. A basis of design report is due April 2024 and paper to the board in May. Pilot Trial: A pilot trial is underway to simulate MABR performance in treating Ammoniacal Nitrogen from pond effluent. Results are due April 2024. Inflow and infiltration work (CCTV) in the Ngaruawahia WW network was accomplished in 2018-2022 which resulted in faults being rectified (patching, pipe replacement or root removal). The entirety on the Ngaruawahia WW network CCTV work is intended to be completed in the 25/26 financial year (following Huntly in 24/25).
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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
Matangi wastewater treatment plant	Discharge to land	AUTH10555 1.01.02	June 2023	Moderate Non-Compliance		Non-compliances relate to: <ul style="list-style-type: none"> Discharge quantity exceedances. 	<ul style="list-style-type: none"> Consent is expired, revisions on discharge quantity and quality are being investigated during new application process.
Te Akau water treatment plant	Water take	AUTH11022 6.01.01	August 2021	Full Compliance		2022-23 audit to be completed by WRC.	
Port Waikato water treatment plant	Water take	AUTH13629 7.02.01	October 2023	Full Compliance			
Port Waikato water treatment plant	Water take	AUTH13629 7.01.01	October 2023	Low Risk Non-Compliance		Non-compliances relate to: <ul style="list-style-type: none"> Average stream flow increase in abstraction data during April-May. 	<ul style="list-style-type: none"> On 19/04/2023 the weir level sensor at Port Waikato WTP failed, resulting in low weir readings and low stream flows. The level sensor was replaced on 20/04/2023 without the correct settings being transferred, resulting in higher weir levels and flow data. On 30/11/2023 the level sensor was corrected, and the reviewed data was submitted to the 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
Port Waikato water treatment plant	Discharge backwash water	AUTH13629 7.03.01	October 2023	Moderate Non-Compliance		<p>Non-compliances relate to:</p> <ul style="list-style-type: none"> Total aluminium discharge limit exceedance 	<ul style="list-style-type: none"> Actions have been taken by ceasing the backwash discharge since November 2022 and further investigation into the Total Aluminium exceedances. Actions were communicated to the WRC, and monitoring results were forwarded, highlighting that Total Aluminium results in the upstream exceeded the consented limits. 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 backwashing without risk of non-compliance.
Huntly/Ngāru awāhia water treatment plants	Water take	AUTH13680 6	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	<ul style="list-style-type: none"> 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"> Total Aluminium and Suspended solids consent limit exceedances 	<ul style="list-style-type: none"> 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-compliance relate to: <ul style="list-style-type: none"> A record of number of hours which water was taken each day. Requirement of a minimum of two manual meter readings each calendar year to be forwarded to WRC. A renewed Water Demand Management Plan. Annual report must include all reporting requirements. 	<ul style="list-style-type: none"> 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.
Onewhero water treatment plant	N/a	N/a	N/a	N/a		Water take is within permitted activity limits and doesn't require a resource consent.	

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> <ul style="list-style-type: none"> Discharge up to 240 cubic metres per day of water treatment plant wastewater to a tributary of Ngariohe Stream. Volumes of filter backwash water discharged from the Water Treatment Plant must be recorded and records submitted to WRC. Consent holder must provide data that demonstrated the maximum hourly volume of filter backwash discharged. Reduce the suspended solids being discharged from the settlement ponds to within consented limits as soon as possible. 	<ul style="list-style-type: none"> Beca consultants were engaged in April 2022 to prepare a response. Backwash discharges are currently totalised daily measuring plant inflow and production (plant inflow – water supplied to users). To reduce the suspended solids in the discharge both pond 1 and 2 were desludged in 2021-2022. Sludge was disposed to the Hampton Downs Landfill. A new outfall structure for pond 1 was also constructed to aid with suspended solids and more efficiency in recording flow rates. Additionally, the outflow structures limits capacity so that daily outflow limits are not exceeded.

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 Rule (DWQAR) Compliance October - December 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	MAV exceedance: E.coli transgression of 14 MPN/100mL on 2/11/2023. Full compliance against DWQAR.
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	Low FAC 0.19mg/L on 12/12/2023 – Full Compliance for the year as above 0.1mg/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	Low FAC of 0.13 mg/L on 2/11/2023 – Compliant for the year as result above 0.1mg/L.
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.

5. Drinking Water Quality Assurance Rules (DWQAR) Compliance comments.

Supply	Type	Comment on Quality Assurance rules
Huntly	Supply	<ul style="list-style-type: none"> • 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. • Laboratory monitoring schedules has been reviewed and updated to demonstrate compliance against the DWQAR for the 2023-2024 FY. • Drinking Water Safety Plan (DWSP) was reviewed and updated in November 2023.
Ngāruawāhia	Supply	<ul style="list-style-type: none"> • 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. • Laboratory monitoring schedules has been reviewed and updated to demonstrate compliance against the DWQAR for the 2023-2024 FY. • Drinking Water Safety Plan (DWSP) was reviewed and updated in November 2023.
Raglan	Supply	<ul style="list-style-type: none"> • 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. • Drinking Water Safety Plan (DWSP) was reviewed and updated in November 2023. • 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. • Laboratory monitoring schedules has been reviewed and updated to demonstrate compliance against the DWQAR for the 2023-2024 FY.
Te Kauwhata	Supply	<ul style="list-style-type: none"> • Drinking Water Safety Plan (DWSP) was reviewed and updated in November 2023. • 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. • Laboratory monitoring schedules has been reviewed and updated to demonstrate compliance against the DWQAR for the 2023-2024 FY.

Supply	Type	Comment on Quality Assurance rules
Te Akau	Distribution only (as of January 2024)	<ul style="list-style-type: none"> • Te Akua has been changed from a Networked Supply to a Linked Supply on Hinekorako upon review from Taumata Arowai. • Updated Drinking Water Safety Plan (DWSP) in November 2023. • Laboratory monitoring schedules has been reviewed and updated to demonstrate compliance against the DWQAR for the 2023-2024 FY.
Port Waikato	Supply	<ul style="list-style-type: none"> • Updated Drinking Water Safety Plan (DWSP) in November 2023. • 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. • Laboratory monitoring schedules has been reviewed and updated to demonstrate compliance against the DWQAR for the 2023-2024 FY.
Onewhero	Supply	<ul style="list-style-type: none"> • Updated Drinking Water Safety Plan (DWSP) in November 2023. • 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. • Laboratory monitoring schedules has been reviewed and updated to demonstrate compliance against the DWQAR for the 2023-2024 FY.
Southern Districts, Waikato DC	Distribution only	<ul style="list-style-type: none"> • Updated Drinking Water Safety Plan (DWSP) in November 2023. • Laboratory monitoring schedules has been reviewed and updated to demonstrate compliance against the DWQAR for the 2023-2024 FY.
Tuakau	Distribution only	<ul style="list-style-type: none"> • Updated Drinking Water Safety Plan (DWSP) in November 2023. • Laboratory monitoring schedules has been reviewed and updated to demonstrate compliance against the DWQAR for the 2023-2024 FY.

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

6. Discussion

Matapaki

- New network compliance sample points have been installed in Onewhero (Figure 1), Western districts, and North-western district. Additionally, legitimate treated water sample points have been installed at Te Akau and Onewhero WTP's. These new sample bollards lower the possibility of bacterial contamination during sample collection.



Figure 1. Garden tap replaced with hygienic sample bollard in Onewhero.

- In March and April Onewhero has had repeat positive Total Coliforms and HPC (Heterotrophic Plate Count) results. Challenges with eliminating the issue arise from the lack of residual disinfection, and the small size of the network (length and pipe diameter) along with plant capacity which make high velocity flushes an unachievable task.
 - The team has done extensive work installing temporary flush points and sanitary inspections of the sample points. At present, the positive detections have reduced (most recent result 1.0 cfu/100mL on 8/4//2024) but there is still a risk of ongoing positives. We are looking into the possibility of biofilm build up somewhere in the network which may require further work.
 - Additionally, the team have installed a legitimate sample tap for treated water at the WTP to replace the inaccessible hose (Figure 2). Once the new tap has passed commissioning testing, we can better understand if the positive total coliforms are arising at the treatment stage or from biofilm in the Network.
-



Figure 2. Left - Inadequate and unused WTP sample point, Right – New bollard.

- The investigation at Huntly WTP regarding Geosmin levels (2MIB – Taste and Odor Compounds) have aided in understanding the relationship between temperature and river level on Geosmin concentrations as well as optimisation of PAC dosing.
- The operators have undergone 'sniff testing training' to be able to identify Geosmin levels in both treated and raw water as a preliminary indicator. Following PAC optimisation there were no complaints regarding taste and odour. Geosmin levels have since dropped significantly and so has PAC dosing.
- The recent test results following the Te Kauwhata WWTP upgrade commissioning are fully compliant with our consent conditions (Figure 3).

	cBOD5	Total Kjeldahl Nitrogen	Total Nitrogen	Total Phosphorus	Total Suspended Solids
Jul-23	8.700	31.700	32.000	2.760	30.600
Aug-23	8.300	24.900	26.000	1.960	20.000
Sep-23	3.300	39.600	41.000	2.600	1.400
Oct-23	3.600	30.200	32.000	2.000	4.600
Nov-23	4.200	47.100	49.000	4.180	5.200
Dec-23	4.400	20.800	24.000	6.980	3.400
Jan-24	0.710	10.600	11.000	0.298	2.000
Feb-24	0.250	2.460	2.400	2.280	1.400
Mar-24	0.250	0.980	3.000	1.640	3.200

Figure 3. Drastically improved effluent quality results following upgrade.

- The Wai Comply Audit for the July – September quarter was fully compliant with the DWQAR.
- The Wai Comply Oct-Dec 2023 reports were submitted and reviewed and the report is provided (appendix 2).

- Taumata Arowai initiated the start of their Drinking Water Safety Plan (DWSP) review with the Tuakau–Pokeno supply. The review and close out meeting with the Taumata Arowai representative were incredibly positive. The Huntly-Ngaaruawaahia DWSP review is now underway. Note – The Taumata Arowai DWSP review is not an ‘approved’ or ‘unapproved’ assessment, nor does it conform or certify compliance with legislative requirements.
 - The Annual Taumata Arowai Reporting for the Drinking Water Quality Assurance Rules and Monitoring Rules were successfully submitted in February via manual Hinekorako upload. For the complete 2023 year we were compliant on all accounts with the exception of a few FAC results. In Huntly, 3 out of 233 tests were below 0.1mg/L, in Ngaruawahia 2 out of 216 tests were below 0.1mg/L, in Tuakau 1 of 181 tests were below 0.1mg/L, in Port-Waikato 1 of 107 WTP samples were below 0.5mg/L and 1 of 111 network tests were below 0.1mg/L.
 - WDC received an Abatement Notice against Ngaruawahia WWTP in February. The abatement notice is in response to the continued non-compliant discharge of Ammoniacal-Nitrogen, Total Nitrogen, and the combined Huntly-Ngaaruawaahia Total Nitrogen Loading.
 - Additionally, the failure to design, build, and commission the appropriate upgrade to the treatment process within 2 years after the ‘trigger’ level is reached (breached in 2021). A response was sent to the WRC in March to address the actions listed in both the site compliance audit and the abatement notice. A paper will be presented to the board in May on an interim solution.
 - The new water quality reporting requirements have been assessed and the change below will be formalise in a variation to the contract to align the contractual terms with the current regulatory environment. This will align with Taumata Arowai and the DIA audit requirements.
-

KPI – description	Results	Target 2022/2023
Water		
<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 (protozal compliance criteria).</i>	15	15

KPI – description	Results – WTP/ZONES	Target 2022/2023
<i>The extent to which the Council's drinking water supply complies with Taumata Arowai DWQAR Bacterial Rules (WTPs Bacterial Compliance).</i>	6	6
The extent to which the Council's drinking water supply complies with Taumata Arowai DWQAR Protozoal Rules (WTPs Protozoal Compliance).	6	6
The extent to which the Council's drinking water supply complies with Taumata Arowai DWQAR Chemical Rules (WTPs Chemical Compliance).	6	6
The extent to which the Council's drinking water supply complies with Taumata Arowai DWQAR Cyanotoxin Rules (WTPs Cyanotoxin Compliance).	6	6
The extent to which the Council's drinking water supply complies with Taumata Arowai DWQAR Microbiological Rules (DZs Microbiological Compliance).	13	13
The extent to which the Council's drinking water supply complies with Taumata Arowai DWQAR Residual Disinfection Rules (DZs Residual disinfection (Chlorine) Compliance).	13	13

The extent to which the Council's drinking water supply complies with Taumata Arowai DWQAR Disinfection by-products Rules (DZs Disinfection by-product Compliance).	13	13
The extent to which the Council's drinking water supply complies with Taumata Arowai DWQAR Plumbosolvent metals Rules (DZs Plumbosolvent Metals Compliance).	13	13

- Exclude Te Akau WTP until new plant is commissioned.

7. Attachments

Ngaa taapirihanga

Attachment 1: Regional Council Resource Consent Compliance Rating System

Attachment 2: Performance with the DWQAR and DWS -Oct-Dec 2023

APPENDIX 1 Regional Council Resource Consent Compliance Rating System

July 2021- onwards:

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

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.



18 April 2024

Marieka van der Lee
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Watercare Services Ltd
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Tēnā koe Marieka,

STATEMENT ON DRINKING WATER QUALITY PERFORMANCE – OCTOBER TO DECEMBER 2023

An independent assessment of performance against the Drinking Water Quality Assurance Rules 2022 (DWQAR) and Water Services (Drinking Water Standards for New Zealand) Regulations 2022 (DWS) has been completed for Watercare Services Ltd (Watercare Waikato) as a “water supplier” for the period of 1st October 2023 – 31st December 2023 (assessment period). This statement supports Watercare Waikato in verifying its performance against statutory drinking water quality requirements.

The assessment was undertaken by Wai Comply Limited (Wai Comply) and uses the bacterial and protozoal modules or equivalent of the DWQAR, as well as selected chemical and cyanotoxin rules, to form the scope of the audit. The rules selected (rule sets) from within the modules allow the audit to; verify the infrastructure relevant to the rule is in place, determine the operational performance of the barrier(s), and check whether a specific or associated monitoring requirement is met.

This statement details Watercare Waikato’s rule set performance for each water treatment plant (WTP) and zone with the findings being detailed within this letter. Observations and any recommendations are included where any outcome is listed as “Not met”, or where considered relevant to the audit. Additionally, any exceedances of a DWS Maximum Acceptable Value (MAV) during the assessment period for applicable determinands has been reported separately in the DWS MAV summary table below.

BACKGROUND

This statement has been developed using information specifically provided by Watercare Waikato that does or does not suitably demonstrate performance with the DWQAR for the assessment period.

METHODOLOGY

The assessment of performance against the DWQAR was undertaken by the audit team who performed a variety of audit approaches which included;

- Requests for information including the water supplies, WTPs and zones Watercare Waikato is responsible for and the respective DWQAR modules and rule sets, *and*
- Remotely based documentation reviews (i.e., desktop assessments of performance reports/statement), *and*
- Direct communication with Watercare Waikato, seeking clarification and guidance on matters defined within the performance documents/reports.

The result of the assessment for each respective water supply for the assessment period is communicated in the following sections of this statement.

The following finding types are used throughout the statement:

- Met: Result where the performance requirements applicable to the WTP or zone was achieved.



- **Met*/(Rule)*:** Result where the initial assessment of requirements applicable to the WTP or zone indicated performance was not achieved, however after additional technical information and circumstances were assessed, the finding was qualified as met.
- **Not met:** Result where the performance requirements applicable to the WTP or zone was not achieved.

HUNTLY-NGARUAWAHIA WATER SUPPLY ASSESSMENT

The following WTP and zone rule modules(s) and rule sets for the **Huntly-Ngaruawahia Water Supply** were assessed and the overall outcome is specified below:

Water Supply	Component	Rule Module	Rule Set(s)	Outcome
Huntly-Ngaruawahia	Huntly WTP	S3/T3	Cyanotoxin	Met
		T3 Bacterial	Chlorine, General Rules	Met*
		T3 Protozoa	Protozoal Rules, Conventional Filtration 4.0 log OR UV Disinfection, and General Rules	Met
		T3	Chemical	Met
	Ngaruawahia WTP	S3/T3	Cyanotoxin	Met
		T3 Bacterial	Chlorine, General Rules	Met
		T3 Protozoa	Protozoal Rules, Conventional Filtration 4.0 log AND UV Disinfection and General Rules	Met
		T3	Chemical	Met
	Huntly Zone	D3	Residual Disinfection	Met
			Microbiological	Met
			Disinfection By-product	Met
			Plumbosolvent Metals	Met
	Ngaruawahia Zone	D3	Residual Disinfection	Met
			Microbiological	Met
Disinfection By-product			Met	
Plumbosolvent Metals			Met	

The following table outlines audit observations and any related recommendations for consideration:

Component	Rule ID	Rule Description	Observation(s)
Huntly WTP	T 3.1*	All water passing through the treatment plant must be treated with chlorine and must be monitored in accordance with Table 19.	In late November 2023 the performance summary reports indicated an elevation of post disinfection turbidity. Additional information was provided by the supplier that confirmed that the treated water met the rule requirements (Rule T3.5 and T3.6) however the location of the turbidity analyser is not optimal for performance reporting against the chlorine disinfection rule set, and the WaterOutlook report does not account for the difference in location especially in regards to the plant being 'in' or 'out' of service.
			Recommendation: Review the position of the turbidity analyser used to monitor performance with the chlorine rule set and ensure WaterOutlook is configured to accurately account for "in service" performance reporting.



RAGLAN WATER SUPPLY ASSESSMENT

The following WTP and zone rule modules(s) and rule sets for the **Raglan Water Supply** were assessed and the overall outcome is specified below:

Water Supply	Component	Rule Module	Rule Set(s)	Outcome
Raglan	Raglan WTP	S3/T3	Cyanotoxin	Met
		T3 Bacterial	Chlorine, General Rules	Met
		T3 Protozoa	Protozoal Rules, UV Disinfection, General Rules	Met
		T3	Chemical	Met
	Raglan Zone	D3	Residual Disinfection	Met
			Microbiological	Met
			Disinfection By-product	Met
			Plumbosolvent Metals	Met

TE KAUWHATA WATER SUPPLY ASSESSMENT

The following WTP and zone rule modules(s) and rule sets for the **Te Kauwhata Water Supply** were assessed and the overall outcome is specified below:

Water Supply	Component	Rule Module	Rule Set(s)	Outcome
Te Kauwhata	Te Kauwhata WTP	S3/T3	Cyanotoxin	Met
		T3 Bacterial	Chlorine AND UV Disinfection, General Rules	Met
		T3 Protozoa	Protozoal Rules, Conventional Filtration 4.0 log and General Rules	Met
		T3	Chemical	Met
	Te Kauwhata/ Rangiriri Zone	D3	Residual Disinfection	Met
			Microbiological	Met
			Disinfection By-product	Met
			Plumbosolvent Metals	Met
	Whangamarino Rural/Meremere Zone	D3	Residual Disinfection	Met
			Microbiological	Met
			Disinfection By-product	Met
			Plumbosolvent Metals	Met

PORT WAIKATO WATER SUPPLY ASSESSMENT

The following WTP and zone rule modules(s) and rule sets for the **Port Waikato Water Supply** were assessed and the overall outcome is specified below:

Water Supply	Component	Rule Module	Rule Set(s)	Outcome
Port Waikato	Port Waikato WTP	S2/T2	Cyanotoxin	Met
		T2	Chlorine, General Rules	Met
			Treatment Monitoring	Met
			Filtration	Met
			UV	Met*
			Chlorine	Met
	T2	Chemical	Met	
	Port Waikato Zone ¹	D2	Residual Disinfection	Met
			Microbiological	Met
			Plumbosolvent Metals	Met

¹ Watercare Waikato also voluntarily sampled for disinfection by products during the period and all test results were below the MAV.



The following table outlines audit observations and any related recommendations for consideration:

Component	Rule ID	Rule Description	Observation(s)
Port Waikato WTP	T2.14*	The flow of water through the UV unit must be restricted or monitored so that it does not exceed the flow rate specified by the manufacturer.	The supplier has previously provided summary data to demonstrate the balance of treated water entering the chlorine contact tank during production cannot exceed the validated UV flow envelope. The supplier confirmed this operational flow limitation was still applicable for the audit period.

TE AKAU WATER SUPPLY ASSESSMENT

For the audit period the Te Akau supply sourced its drinking water from the Raglan supply via tankered water carrier services. Watercare Waikato advised that the supply is now registered as a linked supply. The following zone rule module and rule set for the **Te Akau Water Supply** was assessed and the overall outcome is specified below:

Water Supply	Component	Rule Module	Rule Set(s)	Outcome
Te Akau	Te Akau Zone ²	D1	Microbiological	Met

POKENO, TUAKAU, SOUTHERN DISTRICT-WAIKATO DC, WESTERN DISTRICT-WAIKATO DC AND NORTH WESTERN DISTRICT-WAIKATO DC WATER SUPPLY ASSESSMENT

The above supplies are registered as “linked supplies” whose treatment rules are associated with their respective and separately registered Waikato District Council operated supplies. The following zone rule modules and rule sets for the **Pokeno, Tuakau, Southern District-Waikato DC, Western District-Waikato DC and North Western District-Waikato DC Water Supplies** were assessed, and the overall outcome is specified below:

Water Supply	Component	Rule Module	Rule Set(s)	Outcome
Pokeno	Pokeno Zone	D3	Residual Disinfection	Met
			Microbiological	Met
			Disinfection By-product	Met
			Plumbosolvent Metals	Met
Tuakau	Tuakau Zone	D3	Residual Disinfection	Met
			Microbiological	Met
			Disinfection By-product	Met
			Plumbosolvent Metals	Met
Southern District, Waikato DC Zone	Southern District, Waikato DC Zone	D3	Residual Disinfection	Met
			Microbiological	Met
			Disinfection By-product	Met
			Plumbosolvent Metals	Met
Western District, Waikato DC Zone	Western District, Waikato DC Zone ²	D2	Residual Disinfection	Met
			Microbiological	Met
			Plumbosolvent Metals	Met
North Western District, Waikato DC Zone	North Western District, Waikato DC Zone ²	D1	Microbiological	Met

² Watercare Waikato also voluntarily sampled for disinfection by products during the period and all test results were below the MAV.



ONEWHERO WATER SUPPLY ASSESSMENT

The following WTP and zone rule modules(s) and rule sets for the **Onewhero Water Supply** were assessed and the overall outcome is specified below:

Water Supply	Component	Rule Module	Rule Set(s)	Outcome
Onewhero	Onewhero WTP	S1	Cyanotoxin	Met
		T1	Treatment	Met
	Onewhero Zone	D1	Microbiological	Met

DWS MAV SUMMARY

The Water Services (Drinking Water Standards for New Zealand) Regulations 2022 specify the MAVs that apply to parameters applicable to drinking water. Demonstrating achievement with the DWQAR are a means for which a supplier can ensure that the provision of drinking water does not exceed the MAV for determinands listed in the DWS. The primary determinand relevant to the DWQAR assessment is *E. coli* as health risks arising from microbial contaminants can lead to rapid and major outbreaks of illness.

Chemical determinands of health significance that are required to be monitored as per the DWQAR have also been included in the audit.

This section summarises instances where applicable DWS MAVs were exceeded in any drinking water samples collected from Watercare Waikato water supplies during the assessment period:

Determinand (MAV)	Component	Date	Result (unit)	Outcome
<i>E. coli</i> (<1 MPN/100 mL)	Huntly Zone	02/11/2023	14 MPN/100 mL	MAV limit exceeded
<i>E. coli</i> and all other applicable determinands	All other Watercare Waikato WTPs and zones audited			MAV limit(s) not exceeded

Watercare Waikato investigated the MAV exceedance event and reported that all other physiochemical parameters including residual chlorine were within specified limits, and that operational production at the WTP was within acceptable levels. The supplier reported that the result was not considered representative of the water supplied to customers in the zone.

RESPONSIBILITIES OF THE WATER SUPPLIER FOR THE AUDITED INFORMATION

The water supplier is entirely responsible for meeting all necessary legislative requirements that apply to it. The water supplier is responsible for both preparing, and providing the information audited ensuring that such information is free from material misstatement. The water supplier is also responsible for disclosing, as applicable, any matters which may inhibit the ability to reasonably make a determination as to whether performance has been achieved. The water supplier is responsible in full for the outcomes of the audit, as the responsibility for achieving compliance with any applicable legislation sits solely with the water supplier.

AUDITOR INDEPENDENCE AND PROFESSIONAL PRACTICE

Wai Comply has been contracted to provide an independent assessment of performance against the DWQAR and DWS for Watercare Waikato as a “water supplier” The decisions detailed in this performance statement are based on Wai Comply’s methodology. The Wai Comply personnel performing the assessment have no perceived or actual conflicts of interest pertaining to a relationship with, or interests in the supplier or its subsidiaries and controlled entities, other than being contracted to perform this assessment.



EXCLUSIONS

Wai Comply were engaged by Watercare Waikato to conduct an independent assessment of performance against the DWQAR and DWS. The methodology with which the audit was applied, including defined 'exclusions' were detailed and agreed with the acceptance of the contract proposal. As such all proposed 'exclusions' were considered to be accepted by Watercare Waikato. Specifically, this statement does not include the assessment of performance of the following water supply components:

- Ardmore & Waikato WTPs – Watercare Services Limited (Auckland) WTPs providing bulk supply to Waikato District Council's Pokeno and Tuakau zones (referred to as 'linked supplies').
- North Western District Waikato DC, Western District Waikato DC, and Southern District Waikato DC linked supplies – Waikato District Council linked supply zones source their bulk water from Hamilton City Council's Waiora WTP which is outside the contracted services that were provided by Wai Comply Limited

If you have any queries regarding these results, please contact the undersigned.

Nga mihi,

A handwritten signature in black ink, appearing to read 'SR'.

Scott Rostron – Lead Auditor
Technical Assessor
Wai Comply Limited

To	Waters Governance Board
Report title	Water Supply Network Renewals Programme 2021-24 Update
Date:	7 May 2024
Report Author:	Ryan Laurenson (Project Manager – WD) for Mathew Telfer (Contract Services Delivery Manager)
Authorised by:	Anthony Averill, Acting General Manager Service Delivery

1. Purpose of the report

Te Take moo te puurongo

The purpose of this report is to provide the Waters Governance Board with a delivery update, outline the remaining scope, and highlight the achievements of the 2021-24 Network Renewals Programme.

AND

Supports the continued delivery of the 2021-24 Network Renewals Programme to completion, as committed to within the 2021-31 Long Term Plan to completion.

2. Executive summary

Whakaraapopotanga matua

The 2021-24 Network Renewals Programme delivers water infrastructure upgrades across the district to improve network performance, mitigate service failures, and support community growth and development.

At the early stages of the programme, delivery resources, supply chain, and programme timeframes were impacted by the Covid-19 pandemic. Impacts extended into the professional services space, with zonal modelling and hydraulic data for the remaining network renewal sites only finalised at the end of 2022.

Over the 2023 calendar year, the budgeted spend of the Water Network Renewal Programme over the three-year AMP period increased from \$20.02m to \$22.8m through various variations and approvals. Delivery was accelerated meet the increased scope and funding.

As of April 2024, the programme delivery is tracking at 85% completion against the \$22.8m budget. The majority of the renewal sites are now complete with the remaining network renewal scope well underway.

While numerous project sites are noted as below 100% (incompleted), they are in the process of project closure. A final update detailing delivery progress and overall capital expenditure against the AMP-approved funding is provided to the Board in the tables below.

A key success of the delivery of the renewal programme is the current forecast to be \$1.07m under budget. This was achieved by taking a total programme approach, the quality of the project management and work completed.

3. Staff recommendations Tuutohu-aa-kaimahi

THAT the Waters Governance Board receives the 2021-24 Network Renewals Programme delivery update.

4. Background Koorero whaimaarama

The 2021-24 Long-Term Plan included a commitment to upgrade water infrastructure across the district, improving network performance and ensuring a safe and reliable water supply is delivered to all Waikato District customers. A rolling programme of planned network upgrades and replacements was created to delivery this commitment.

In August 2021, the Waters Governance Board approved the Water and Wastewater Network Renewals 2021-24 to be delivered as a programme of works. A total capital envelope of \$20.02m represented the planned commitment to water supply infrastructure upgrades and renewals across the three-year AMP.

In December 2021, the Waters Governance Board acknowledged the ongoing challenges resulting from the Covid-19 pandemic impacting the supply chain, delivery timeframes and the general availability of contractors to carry out works. To limit the disruption, early ordering of key components and materials occurring, contractor pools were being increased, and internal project management capacity was being boosted.

In May 2022, the Waters Governance Board approved provisional work packages for the Mid-Waikato watermain renewals with physical works initially focusing on the Hall Road and Te Kauwhata Boosted Zone upgrades ahead of the 2022 summer demand; and later, through zonal modelling, the Rangiriri and Meremere pipeline upgrades would be defined.

In January 2023, to signify the midway point of the Council's 2021-24 Asset Management Plan (AMP), a board paper was presented to the Waters Governance Board to provide a delivery update and confirm the ongoing commitment to complete the delivery of the Network Renewals Programme [waters] under the Council's long-term plan (LTP).

The update detailed the delivery progress was at 50%, with the significant task of defining

the outstanding scope and delivering all remaining infrastructure upgrades set across the 23/24 financial year.

- The total expenditure at the mid-point of the three-year AMP delivery period was \$9.89M.
- The remaining approved programme budget of \$10.31M was forecasted for delivery ahead of June 2024 however, with subsequent approvals, the remaining approved programme budget increased to \$12.91M.

In August 2023, the Waters Governance Board approved the reallocation of funding from the deferred Pokeno Water Supply Reservoir Extension project fund to the Pokeno Water Supply Reticulation Extension for the delivery of a bulk supply pipeline extension and connection of water mains on Pokeno Road (Pokeno) to correct the missing link and create network resilience. The pipeline extension was added to the 2021-24 Water Network Renewals Programme.

In November 2023, the Waters Governance Board approved the inclusion of a bulk supply pipeline extension on Helenslee Road (Pokeno) within the 2021-24 Water Network Renewals Programme.

Over the 3-year AMP period, a total Network Renewals Programme of \$22.08M has been approved.

5. Discussion and analysis

Taataritanga me ngaa tohutohu

The 2021-24 Water Network Renewals programme was implemented as a programme of work: combining network upgrades, renewals and extensions to secure key opportunities under a planned workstream. These packages represented a significant investment in Waikato District Councils water infrastructure assets, supporting critical network improvements that will service the Waikato district communities and future generations going forward.

Significant progress has been made since the last update to the Board and we are in good stead to complete the remaining renewal sites by the end of the financial year with the exception of two sites which are likely to be carried over into the new financial year.

The updated details of the project scopes, AMP-approved funding and delivery progress are provided in the tables below.

Table three, details completion progress as a percentage to April 30. Corresponding columns note the expenditure to date of each funding line and surplus values (known or forecasted) noting the delivery under the budgeted value. These are good news stories!

Where possible, the surplus funding of \$1.07m has been reallocated to projects under the approval process of the Waters Governance Board.

Project Defined Scoped

LTP Item	Scope
Water Supply Network Renewals AMP Code: 1 WA11500, OG0001089	Water supply pipelines (commonly <180mm dia.) ranging from 60 to 92 years old, replaced with modern polyethylene pipe across the Waikato.
Te Kauwhata Water Supply Reticulation Upgrades AMP Code:1WA11651, OG0001127	Te Kauwhata bulk supply main replacement and upsize, installing 3km of new polyethylene pipeline within the road corridor (outside private property) to meet growth ahead of summer 2022.
Te Kauwhata Water Supply Reticulation Extensions AMP Code:1WA11251, OG0001201	New water main Installation on Te Kauwhata Rd to support and close the Wayside boosted zone loop.
Tuakau Network Extensions AMP Code:1WA11295, OG0001124	Local network upgrades to provide missing connectivity, enabling network resilience and network extensions to urban supply zones. A water booster pump station is also planned.
Rangiriri (Mid Waikato) New Watermain AMP Code: 1WA11254, OG0001202	Rangiriri bulk supply network replacement and upsize, installing a new polyethylene pipeline within the road corridor (outside private property).
Ngāruawāhia Water Supply Reticulation Upgrades AMP Code: 1WA11620, OG0001203	Taupiri bulk supply network replacement and upsize, installing a new polyethylene pipeline and booster pump station within the road corridor
Raglan Water Supply Reticulation Extensions AMP Code:1WA11230, OG0001200	Network reconfiguration to improve levels of service including providing firefighting capacity within the Hills Road water supply zone through recommended pipe upgrades along Main Road and Bow Street.
Raglan Water Supply Reticulation Upgrades AMP Code:1WA11630, OG0001125	An upgrade of the rising and falling bulk supply mains at the Te Hutewai Rd WTP and Reservoir site, including 180mm-450mm pipe installation in tough conditions (mountain and bush terrain) with complex tie-ins made at the WTP, Reservoir, and town supply pipelines.
Southern Districts Water Supply Reticulation Upgrades AMP Code:1WA11641, OG0001204	Newstead bulk supply network replacement and upgrade, installing a new upsized polyethylene pipeline in place of two undersized pipelines within private property.
Pokeno Water Supply Reticulation Extensions AMP Code: 1WA11641, OG0001123	Pokeno Network extensions supporting 180mm and 315mm pipeline extensions on Helenslee Road and Pokeno Road upgrades.
Pokeno Network Improvement AMP Code: 1WA11690, OG0001205	Pokeno Network upgrades including supplementary funding for both Helenslee Road and Pokeno Road upgrades.
Pokeno Water Supply Reservoir Extensions AMP Code: 1WA13290, OG0001129	A supplementary fund to support the extension of the 315mm bulk supply point on Helenslee Road, Pokeno.

**2023 approved programme additions are highlighted above.*

Supported by comprehensive fieldwork to resolve missing asset data, and enable the hydraulic analysis of the Raglan, Ngāruawāhia, Tuakau, Southern, and Te Kauwhata areas were completed at the end of 2022. The details for the outstanding network upgrades were refined, enabling the majority of the projects to progress with a late start.

AMP Approved Funding

Funding allocated (\$M)	Carry Over 2021	21/22	22/23	23/24	Total
Water Supply Network Renewals AMP Code: 1 WA11500, OG0001089	1.3	1.04	2.24	0.29	4.87
Te Kauwhata Water Supply Reticulation Upgrades AMP Code:1WA11651, OG0001127		0.50	2.48	-	2.98
Te Kauwhata Water Supply Reticulation Extensions AMP Code:1WA11251, OG0001201	-	0.81	-	-	0.81
Tuakau Network Extensions AMP Code:1WA11295, OG0001124	0.44	-	0.55	1.95	2.94
Rangiriri (Mid Waikato) New Watermain AMP Code: 1WA11254, OG0001202	-	-	1.85	-	1.85
Ngāruawāhia/Taupiri Water Supply Reticulation Upgrades AMP Code: 1WA11620, OG0001203	-	-	1.09	1.15	2.24
Raglan Water Supply Reticulation Extensions AMP Code:1WA11230, OG0001200	-	0.26	0.20	0.20	0.66
Raglan Water Supply Reticulation Upgrades AMP Code:1WA11630, OG0001125	0.49	1.30	-	-	1.79
Southern Districts Water Supply Reticulation Upgrades AMP Code:1WA11641, OG0001204			0.68	1.20	1.88
Pokeno Water Supply Reticulation Extensions AMP Code: 1WA11641, OG0001123				0.70	0.70
Pokeno Network Improvement AMP Code: 1WA11690, OG0001205			0.11	0.10	.21
Pokeno Water Supply Reservoir Extensions AMP Code: 1WA13290, OG0001129				1.15	1.15
Total Funding	2.23	3.91	9.20	6.74	22.08

*2023 approved programme additions are highlighted above.

Delivery Update

LTP Line	Progress / Phase	Spend to Date (\$M)	Surplus [Good News Story] (\$M)
Water Supply Network Renewals AMP Code: 1 WA11500, OG0001089	Delivery [100% Complete] All planned water main renewal sites across the district are now complete. A total of 9.1km of pipelines have been replaced and upgraded.	4.80	0.07
Te Kauwhata Water Supply Reticulation Upgrades AMP Code:1WA11651, OG0001127	Delivery [100%] Te Kauwhata's transmission water pipeline has been upgraded. 3.1km of pipeline has been replaced and upsized in challenging conditions.	2.87	0.11
Te Kauwhata Water Supply Reticulation Extensions AMP Code:1WA11251, OG0001201	Delivery [100%] The pipeline installed to create a looped reticulation network down Te Kauwhata Road was completed in 2023, with 1.16km of pipeline installation successfully.	0.79	0.02
Tuakau Network Extensions AMP Code:1WA11295, OG0001124	Delivery [65%] The works consist of four water main renewal sites and a new water booster pump station. Three of the four planned water main replacements are complete, with the fourth and the pump station commencing in April.	1.75	(forecast) 0.10
Tuakau-Tuakau Network Upgrades AMP Code: 1WA12551, OG0001206	Delivery [100%] Two local Network upgrades identified as not meeting fire-flow compliance and another having over 50 leaks called in over 4 years – have been replaced. A total of 935m of the local water supply network has been upgraded.	0.61	0.00
Rangiriri (Mid Waikato) New Watermain AMP Code: 1WA11254, OG0001202	Delivery [95% Complete] The connectivity of the upsized transmission main for the Rangiriri township has been subject to the timeline of the new Te Kauwhata Reservoir build. The pipeline is complete with final commissioning and connection tasks planned to be concluded by April 2024.	1.45	(forecast) 0.25
Ngāruawāhia/Taupiri Water Supply Reticulation Upgrades AMP Code: 1WA11620, OG0001203	Delivery [95% Complete] The existing poorly located and undersized pipeline saw 1.3km of new, upsized, and relocated pipeline installed in replacement. A new booster pump station has been constructed to provide an improved service to the Taupiri township with the pump station scheduled to become operational by May 2024.	1.70	(forecast) 0.12
Raglan Water Supply Reticulation Extensions AMP Code:1WA11230, OG0001200	Delivery [100% Complete] Upgrades are complete. Network upgrades and critical network reconfiguration activities were completed with a total of 850m of pipeline replaced.	0.66	0.00
Raglan Water Supply Reticulation Upgrades AMP Code:1WA11630, OG0001125	Delivery [100% Complete] Upgrades are complete. Transmission main upgrades and critical reconfiguration activities were completed with a total of 1.35km of pipelines replaced.	1.70	0.00
Southern Districts Water Supply Reticulation Upgrades AMP Code:1WA11641, OG0001204	Delivery [97% Complete] Upgrades are complete. Transmission/Supply main upgrades and critical reconfiguration activities were completed with a total of 1.35km of pipelines replaced.	1.66	(forecast) 0.23
Pokeno Water Supply Reticulation Extensions AMP Code: 1WA11641, OG0001123	Delivery [70% Complete] Funding supports Helenslee Road (local network) upgrades which is now complete. The remaining task and funding is to support the extension and connection of critical transmission/supply mains are expected to be complete by May 24.	0.49	(forecast) 0.00

LTP Line	Progress / Phase	Spend to Date (\$M)	Surplus [Good News Story] (\$M)
Pokeno Network Improvement AMP Code: 1WA11690, OG0001205	Delivery [100% Complete] Upgrades on Helenslee Road (local network) are complete. 400m	0.21	0.00
Pokeno Water Supply Reservoir Extensions AMP Code: 1WA13290, OG0001129	Delivery [0% Complete] Works have been award with a commencement date scheduled for May 2024.	-	(forecast) 0.15
Total		18.69	1.07

*Accumulative funding surplus - highlighted in green.

The forecast to complete the remaining work over the Water Network Renewal Programme is \$2.3M. The delivery of committed projects is anticipated to extend beyond June 30th, 2024, which necessitates the support of funding carry to the new financial year.

6. Next steps

Ahu whakamua

The remaining works approved under the Network Renewals Programme will continue until all works are complete and closed out.

Funding lines for capital delivery works underway but not yet complete will require carry-forward (into the 24/25 financial year) approval.

7. Attachments

Ngaa taapirihanga

There are no attachments for this report.

To	Waters Governance Board
Report title	Exclusion of the Public
Date:	Tuesday, 30 April 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 Item number PEX 2 Action Register	Good reason to withhold exists under Section 6 or Section 7 Local Government Official Information and Meetings Act 1987	Section 48(1)(a)
Item PEX 3.1 District Wide Water Supply Network Renewals Programme 2024-27		
Item PEX 3.2 Waters Financial Report - March 2024		

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 3.3 Capital Delivery Programme Overview	Good reason to withhold exists under Section 6 or Section 7 Local Government Official Information and Meetings Act 1987	Section 48(1)(a)
Item PEX 3.4 Ngaaruawaahia Wastewater Treatment Plant Screening Facility		
Item PEX 3.5 Ngaaruawaahia Wastewater Treatment Plant Upgrade		
Item PEX 3.6 Huntly Wastewater Treatment Plant Upgrade		
Item PEX 3.7 Tuakau Reservoir Land Acquisition		

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 District Wide Water Supply Network Renewals Programme 2024-27	7(2)(b)(ii) 7(2)(h) 7(2)(j)	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. To prevent use of the information for improper gain or advantage.
Item PEX 3.2 Waters Financial Report - March 2024	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	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
Item PEX 3.4 Ngaaruawaahia Wastewater Treatment Plant Screening Facility	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 PEX 3.5 Ngaaruawaahia Wastewater Treatment Plant Upgrade	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.
Item PEX 3.6 Huntly Wastewater Treatment Plant Upgrade	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.
Item PEX 3.7 Tuakau Reservoir Land Acquisition	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.

2. Attachments

There are no attachments for this report.