

Report To: Audit and Risk Committee



Meeting Date: 15 October 2024

Subject: **Progress Report: WDC Resource Consents – Compliance Monitoring (July - September 2024)**

Type: Information Only

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1. Purpose of Report

- 1.1 The purpose of this business paper is to brief the Committee on compliance reporting against Resource Consent conditions, due during the first quarter (2024/25).

2. Suggested Resolution

- 2.1 The following are suggested resolutions only and do not represent Council policy until such time as they are adopted by formal resolution.

- 1 The Progress Report, WDC Resource Consents – Compliance Monitoring, be received.

3. Risk Considerations

- 3.1 This is a progress report only, and as such no risks have been identified regarding the information contained in this business paper.

4. Compliance Risks

- 4.1 Below is the list of compliance risks and their definitions.

Full Compliance	Full compliance with all relevant conditions, plan rules and regulations.
Low Risk Non-Compliance	Non-compliance with some of the relevant consent conditions, plan rules and regulations. Non-compliance has a low risk of adverse environmental effects or is technical in nature.
Moderate Non-Compliance	Non-compliance with most of the relevant consent conditions, plan rules and regulations, 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 and regulations, where there are significant environmental consequences and/or a high risk of adverse environmental effects.

5. Commentary

5.1 Waitomo District Council (WDC) is required to report on resource consent compliance to Waikato Regional Council (WRC) in accordance with the conditions that regulate the various resource consents held by WDC.

5.2 The following tables set out details of the compliance reporting requirements for WDC's resource consents:

RESOURCE CONSENT	REPORT DUE
Monthly	
No. 116844 - Benneydale Water Treatment Plant Condition 9 (Surface Water Take)	Monthly
No. 117290 - Piopio Wastewater Treatment Plant Condition 26 (Discharge)	Monthly
No. 140685 - Rangitoto Quarry Landfill, William Street, Te Kuiti Conditions 65 & 66	<i>Not yet commenced</i>
Quarterly	
No. 112639 - Te Kuiti Wastewater Treatment Plant Conditions 7 - 19 (Discharge) Condition 30	Jan, April, July and Oct
No. 140685 - Te Kuiti Landfill, William Street, Te Kuiti Conditions 65 & 66	<i>Not yet commenced</i>
No. 101753 - Te Kuiti Landfill, William Street, Te Kuiti Ring Drain Condition 11 (Within 2 months of sampling)	April, July, October and Jan
No. 124718 - Te Kuiti Landfill, William Street, Te Kuiti (SW 2) Conditions 7 & 14	February, May (included to annual report of Surface or Stormwater), August and November
Six Monthly	
No. 133317 - Te Kuiti Water Treatment Plant Conditions 5, 6, 10 & 11	January/July
No. 118813 - Benneydale Wastewater Treatment Plant Conditions 16 - 23	January/July
No. 117945 - Benneydale Water Treatment Plant (Backwash) Condition 3	April/October
No. 107477 - Piopio Water Treatment Plant Conditions 6, 7, 8 & 9	Jan/July
No. 107478 - Piopio Water Treatment Plant Conditions 10, 15 & 16	May/December
No. 120048 - Te Kuiti Wastewater Treatment Plant Discharge to Land (via seepage)	Feb/Aug
No. 140685 - Te Kuiti Landfill, William Street, Te Kuiti Conditions 62 & 63 (Within 2 months of sampling)	<i>Not yet commenced</i>
No. 124718 - Te Kuiti Landfill, William Street (Groundwater) Conditions 7 & 14	April/October
Annual	

RESOURCE CONSENT		REPORT DUE
No. 118813 - Benneydale Wastewater Treatment Plant Condition 26		31 March
No. 120340 - Mokau Closed Landfill Conditions 3, 6 & 10		Monitoring ceased by mutual agreement with WRC (11/2017)
No. 105054/55/56/57/58/59/60 - Waitomo Stormwater Schedule A (22) Conditions 4 - 6		31 May
No. 105054 - Te Kuiti Stormwater Condition 6		31 May
No. 116274 - Benneydale Water Treatment Plant Conditions 2, 3, 4 & 7 (Groundwater Take)		1 June
No. 113544 - Mokau Water Treatment Plant (Water Take) Conditions 2 & 4		July
No. 113545 - Mokau Water Treatment Plant (Backwash) Conditions 2 - 8		July
No. 140685 - Rangitoto Quarry Landfill, William Street, Te Kuiti Annual Report Condition 71		<i>Not yet commenced</i>
No. 124718 - Te Kuiti Landfill Annual Report (Condition 13)		August 1
No. 101753 - Te Kuiti Landfill, William Street Annual Report Condition 4 Independent Peer Reviewer		September 1
No. 120048 - Te Kuiti Wastewater Treatment Plant Condition 7		1 December
No. 112639 - Te Kuiti Wastewater Treatment Plant Condition 20 (Discharge)		September
No. 138063 - Te Waitere Wastewater Condition 16		July
No. 124718 - Te Kuiti Landfill – Surface/Stormwater Annual Report (Leachate Monitoring) Conditions 7 & 14		May
No. 103287, 103288 and 103289 - Te Kuiti, Walker Road - Closed Landfill		November
No. 103193 - Benneydale Closed Landfill SH30 Conditions 2, 3 & 5 No. 103194 - Conditions 2 & 3		Monitoring ceased by mutual agreement with WRC (08/2018)
No. 103196 - Piopio Closed Landfill Conditions 2, 3 & 4		Monitoring ceased by mutual agreement with WRC (08/2018)
No. 103198 - Aria Closed Landfill Conditions 2 & 4		Monitoring ceased by mutual agreement with WRC (08/2018)
Biennial		
No. 117290 - Piopio Wastewater Treatment Plant Conditions 7 & 9 (Discharge) (Review Operations and Management)		September 2014 (<i>and every two years after</i>)
No. 112639 - Te Kuiti Wastewater Treatment Plant Condition 24 (Review Operations Management Plan)		June 2015 (<i>and every two years after</i>)

RESOURCE CONSENT	REPORT DUE
No. 118813 - Benneydale Wastewater Treatment Plant Condition 27 (Review Management Plan Review)	From 2010 every two years
Other	
No. 112639 - Te Kuiti Wastewater Treatment Plant Condition 28 (Complete Passage/Migration Barrier Assessment within 3 years of commencement date)	Within 3 years: 18 December 2017 Completed: 1 July 2020

6. Resource Consent Compliance Reports: July to September 2024

6.1 The following Resource Consent Compliance Reports have been made to WRC during the first quarter of 2024/25:

6.2 AUTH116844.01.01 – Maniaiti/Benneydale Water Treatment Plant Condition 9 (Surface Water Take) Report Due: Monthly

Activity Description	Take up to 180 cubic metres per day of water from an unnamed tributary of the Mangapeehi Stream for Benneydale water supply purposes.
Reporting Period:	July 2024
Compliance Status:	<u>Full compliance</u> All flow and sample limits are well below the consented limits for July 2024.
WDC Reference:	D778262

Activity Description	Take up to 180 cubic metres per day of water from an unnamed tributary of the Mangapeehi Stream for Benneydale water supply purposes.
Reporting Period:	August 2024
Compliance Status:	<u>Full compliance</u> All flow and sample limits are well below the consented limits for August 2024.
WDC Reference:	D778409

Activity Description	Take up to 180 cubic metres per day of water from an unnamed tributary of the Mangapeehi Stream for Benneydale water supply purposes.
Reporting Period:	September 2024
Compliance Status:	<u>Low risk non-compliance</u> Minor exceedance to 3.3 l/s flow rate as a result of routine flushing.
WDC Reference:	D780948

6.3 AUTH117290.01.01 – Piopio Wastewater Treatment Plant
Condition 26 (Discharge)
Report Due: Monthly

Activity Description	Discharge up to 135.4 cubic metres of treated municipal sewage in any 24-hour period from the Piopio Wastewater Treatment System to the Mokau River.
Reporting Period:	July 2024
Compliance Status:	<p><u>Moderate non-compliance</u></p> <p>Total ammoniacal nitrogen has continued to exceed the consented limit of 10mg/l for July 2024.</p> <p>There are several reasons why this may occur, such as:</p> <ul style="list-style-type: none"> • Caustic dosing has not been working properly, this is fundamental during winter as the nitrification process won't resume under low temperatures without increasing temperature or alkalinity. • Sequence valves not working properly, this reduces the treatment surface as some pods will not be sprayed. • Recirculation pumps not working, this reduces the available surface treatment and overloads some pods. • Recirculation tanks are due for cleaning and de-sludge, over time the sludge tends to build up as a crust on the recirculation tanks, and this will be carried over into the blankets, then the pods and finally the UV, this will be reflected on the suspended solids. • Sludge build-up in the pods and blankets are also overloaded with solids, this is a consequence of sludge build up within the recirculation tanks which carries over to the pods/blankets. <p>Waitomo District Council has since engaged with a contractor to perform the maintenance of the STEP/STEG systems at the 200 properties in Piopio to address this issue. As results have shown improvement, it is expected that the total ammoniacal nitrogen values will continue to decrease in the following weeks, as the maintenance of the STEP/STEG system progresses.</p>
WDC Reference:	D778651

Activity Description	Discharge up to 135.4 cubic metres of treated municipal sewage in any 24-hour period from the Piopio Wastewater Treatment System to the Mokau River.
Reporting Period:	August 2024
Compliance Status:	<p><u>Moderate non-compliance</u></p> <p>Total ammoniacal nitrogen has continued to exceed the consented limit of 10mg/l for August 2024.</p> <p>Results have continued to decrease as the STEP/STEG system progresses, and the operations team have been conducting daily maintenance of the plant which include the UV systems, sprayers, cleaning of the pods and checking the chemical dosing system.</p>
WDC Reference:	D780996

Activity Description	Discharge up to 135.4 cubic metres of treated municipal sewage in any 24-hour period from the Piopio Wastewater Treatment System to the Mokau River.
Reporting Period:	September 2024
Compliance Status:	<p><u>Moderate non-compliance</u></p> <p>Total Ammoniacal Nitrogen has continued to exceed the 10 mg/l limit for September 2024, reaching a limit of 14.8 mg/l. There are remedial actions in place which have seen a positive reaction as the results continue to decrease.</p> <p>Due to heavy rainfall throughout the district, an exceedance in the daily outflow occurred on 1 September 2024, reaching a maximum of 143.41m³ with a consented limit of 135.4m³. Once the heavy rainfall subsided, the outflow returned to acceptable limits.</p>
WDC Reference:	D781474

6.4 AUTH112639.01.01 – Te Kuiti Wastewater Plant
Discharge to Mangaokewa Stream
Report Due: Quarterly

Activity Description	To discharge treated wastewater to the Mangaokewa Stream from the Te Kuiti Wastewater Treatment Plant
Reporting Period	April – June 2024
Compliance Status	<p><u>Full Compliance</u></p> <p>Daily discharged volume remained under the consent limit of 7000 m³/day.</p> <p>All monitored parameters are below the consent limits.</p>
WDC Reference	D579406

6.5 AUTH133317.01.01 – Te Kuiti Water Treatment Plant – Water Take
Report Due: Six Monthly

Activity Description	To take water from the Mangaokewa Stream for domestic and municipal water supply water purposes
Reporting Period	January – June 2024
Compliance Status	<p><u>Full Compliance</u></p> <p>Daily water takes, and daily abstraction are all below the consent limits.</p>
WDC Reference	D578284

6.6 AUTH107477.01.02 – Piopio Water Treatment Plant – Surface Water Take
Report Due: Six Monthly

Activity Description	Take up to 165, 929 m ³ per year of water from Kuratahi Stream for municipal water supply purposes.
Reporting Period	January – June 2024
Compliance Status	<u>Full Compliance</u> Daily water takes, annual water take, and daily abstraction are all below the consent limits.
WDC Reference	D580212

6.7 AUTH113544.01.01 Mokau Water Treatment Plant (Water take)
Report due: Annually

Activity Description	Take up to 1,000 cubic metres per day of water from an unnamed tributary for public water supply purposes in Mokau.
Reporting Period	July 2023 - June 2024
Compliance Status	<u>Full Compliance</u> All water takes are well below the consent limit.
WDC Reference	D578557

6.8 AUTH113545.01.01 Mokau Water Treatment Plant (Discharge)
Report due: Annually

Activity Description	Discharge up to 10 cubic metres of filter backwash water to an unnamed tributary of the Coastal Marine Area in association with a municipal treatment plant in Mokau
Reporting Period	July 2023 - June 2024
Compliance Status	<u>Low Risk Non-Compliance</u> The volume of backwash discharge from July 2023 to February 2024 due to an upgrade on the treatment process which is needed to improve the quality of water produced. There were several operational adjustments done which had a significant impact on the volume of the backwash discharge which was below the 10 cubic meter limit. The reduction materialized from March 2024 to present.
WDC Reference	D578563