

Anna Muspratt
Resource Advisor
Greater Wellington Regional Council
PO Box 11 646
WELLINGTON

By email: Anna.Muspratt@gw.govt.nz

WGN970255 [34837] – Paraparaumu WWTP – Discharge to storage basin

Discharge wastewater to land (being an unlined storage area) within the Paraparaumu WWTP site, with minor leakage to ground, for flows that exceed the plant capacity.

WGN970255 [34833] – Paraparaumu WWTP – Discharge to air

Discharge to air from all facilities at the Paraparaumu WWTP (within the Paraparaumu WWTP site).

WGN970255 [2565] – Paraparaumu WWTP – Discharge to Mazengarb Drain

Discharge of tertiary treated wastewater from the Paraparaumu WWTP to the Mazengarb Drain at a rate of up to 18,600 m³/day, seven days / week, 52 weeks / year (within the Paraparaumu WWTP site).

WGN030149 [22566] – Paraparaumu WWTP – Overflow basin

To discharge screened, dilute wastewater as overflow from the overflow basin at the Paraparaumu WWTP to the Mazengarb Drain.

WGN130218 [32196] – Paraparaumu WWTP – Sludge drying

To discharge to air from the operation and maintenance of a boiler and biofilter associated with the sludge handling process.

WGN040098 [34794] – Paraparaumu WWTP – Sludge lagoons

To discharge contaminants to land from a contaminated site, those discharges being emanations arising from residual sludge in the decommissioned Paraparaumu Wastewater Treatment Plant sludge lagoons.

Quarterly Report to end of December 2024 (Q2, FY2025) for Paraparaumu Wastewater Treatment Plant (PWWT)

Dear Anna,

This report covers the compliance information required under the conditions of the above resource consents related to the PWWT for the three months ended December 2024. This report includes the following information:

- An assessment of compliance against the resource consent conditions for Q2 (Appendix A).
- Quarterly monitoring results required by resource consents WGN970255 [34837], [27633] and [2656] (Appendix B).
- Annual monitoring results required by resource consent WGN130218 [32196], noting these results are submitted on a quarterly basis (Appendix B).

Note that this report is usually provided within the month after the quarter ends. However, you approved the delivery of this report by 19 February 2025 to account for staff absences in January 2025.

Overall compliance with resource consents in Q2 FY2025

The Council is fully compliant with all PWWTP resource consents as demonstrated in Tables 1 to 4 in Appendix A. The remainder of this letter provides some commentary on the compliance report and the data provided in Appendix B. The quarterly monitoring results are provided in our new reporting format for the Paraparaumu WWTP, which includes the following tabs:

- Traffic Light: A snapshot of compliance over Q2, FY2025.
- Flow summary: A summary of influent (raw wastewater into the WWTP) and effluent (treated effluent discharged into the stream) flows over the quarter.
- Treatment Plant Performance: The quarterly monitoring results for all parameters required by the discharge consents.
- Trending: Compliance trending for monitored parameters over the quarter.

Storm storage pond usage

Due to heavy rainfall on 28 October 2024, approximately 676m³ screened wastewater was diverted to the storm storage pond on 29 October 2024. The pond operated as designed with no issues. This is the third diversion to the pond in FY2025, with two diversions occurring in Q1, FY2025. As you know, the consent currently only authorises three diversions per year, so any additional diversions will be a technical non-compliance with consent WGN970255 [34837]. However, Greater Wellington Regional Council (GWRC) has previously advised that no enforcement actions will be taken for non-compliances with this limit given the storm storage pond is now lined, meaning the diversion does not result in any adverse effects on groundwater. The Council has applied to remove that limit as part of reconsenting the discharge.

Community Liaison Group meeting

The Council held its quarterly CLG meeting on 4 December 2024 at the WWTP. Appendix C includes the final meeting minutes and power point presentation. At the meeting, we presented the new format for the quarterly reporting and discussed some amendments. Where possible, these amendments have been incorporated into the Q2 report. The next CLG meeting is scheduled for 28 February 2025.

Work undertaken in Q2 FY2025 and ongoing projects

The Council is undertaking ongoing work at the PWWTP, including the following:

- RAS-1 upgrade: 90% of the upgrade of RAS-1 is complete, the installation of knife-gate valve is the remaining scope. Now waiting for the knife-gate valve, work expected to be complete by March 2025.
- New pH dosing plant commissioned.
- A-Recycling system upgrade: Procurement of large pumps complete; upgrade work in progress and expected to be complete by March 2025.
- Design progressing for hydraulic debottlenecking of clarifier-3 and UV upgrade.

- Preliminary design for the inlet-works complete.
- The Council's regulatory team has approved the Outline Plan of Works for the Southern Section of the Waikanae Duplicate Wastewater Rising Main (WDWRM) – works will likely commence in mid-late 2025.
- New scrapper arm for Clarifier-3 being constructed.
- Sludge-bed decommissioning: GWRC approved the stockpile at landfill (from Expressway work) to be used for filling the sludge-beds at PWWTP site. Procurement of services is progressing.

Please contact me should you need further information.

Yours faithfully,



Tess Drewitt
Consultant Compliance Officer to
Kapiti Coast District Council

Date: 12 February 2025



Ramesh Pillai
Manager Water and Wastewater Services
Kapiti Coast District Council

Date: 12 February 2025

Cc:
Grant Stuart - Wastewater Treatment Plants Manager

APPENDIX A - ASSESSMENT AGAINST RESOURCE CONSENT CONDITIONS

Table 1: WGN970255 [34837], [27633], [2656] – Paraparaumu WWTP – Discharges

Requirement	Condition	Compliance
All Consents		
General Conditions	1-6, 8, 15, 21	
Discharge of unauthorised contaminants	7	
Community Liaison Group	9	
Air discharge [27633]		
Noxious, dangerous, offensive, or objectionable discharges	11	
Incident notification	12	
Operational logs	13	
Complaints record	14	
Discharges from sludge vitrification process ¹	16	
Discharge to Mazengarb Drain [2656]		
Records of daily flow	12	
Monitoring of effluent quality	13, 19	
Biochemical Oxygen Demand (BOD)	18(a)(i)	
Suspended Solids	18(a)(ii)	
Faecal Coliform Bacteria	18(b)(i)	
pH	18(b)(ii)	
Ammonia, Nitrate, Dissolved Reactive Phosphorous (DRP)	18(c)	
Heavy metals	18(d)	
Dissolved Oxygen	18(e)	
Effects on Ratanui Lakes	16	
Three-monthly reporting to GWRC	17	
Signage	20	
Discharge to unlined storage pond [34837]		
Limit to 3 times per year. ²	2	
Return effluent to PWWTP as soon as reasonably practicable	11	

¹ Note that the sludge vitrification process was decommissioned in 2010.

² This is a requirement in the consent details (page 1) as opposed to the conditions of consent.

Table 2: WGN030149 [22566] – Paraparaumu WWTP – Overflow Basin

Requirement	Condition	Compliance
General Conditions	1, 5	●
Notify GWRC when consent exercised	2	●
Contingency actions	3	●
Overflow Contingency Plan	4	●

Table 3: WGN130218 [32196] – Paraparaumu WWTP – Sludge Drying

Requirement	Condition	Compliance
General Conditions	1-3, 19, 20	●
Wood as fuel	4	●
Boiler temperature (above 650C)	5	●
Treatment processes	6-8, 10	●
Discharge of dangerous, noxious, offensive or objectionable contaminants	9	●
Particulates (not exceeding 50mg/m ³)	11	●
Emission Testing ³	12	●
Monitoring	13	●
Annual Reporting (by 1 August)	13	●
Maintenance	14-16	●
Complaints register ⁴	17	●
Incident register & GWRC notification (within 24 hrs / 7 working days)	18	●

Table 4: WGN040098 [34794] – Discharge from sludge lagoons

Requirement	Condition	Compliance
General conditions	1, 2, 4	●
Groundwater monitoring	3	●
Groundwater quality report	5	●
Update of Sludge Decommissioning Management Plan	6	Underway

³ Not currently required by GWRC.

⁴ No complaints received during Q2.

APPENDIX B – PWWTP QUARTERLY MONITORING RESULTS

APPENDIX C – CLG MEETING MINUTES AND PRESENTATION – 4 December 2024