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By email: Amanda.OBrien@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 September 2023 (Q1, FY2024) for Paraparaumu Wastewater Treatment Plant (PWWTP)

Dear Amanda,

This report covers the compliance information required under the conditions of the above resource consents related to the PWWTP for the three months ended September 2023. This report includes the following information:

- An assessment of compliance against the resource consent conditions for Q1 (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 C).

Overall compliance with resource consents in Q1 FY24

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.

CLG meeting

The Council held the third quarterly PWWTP Community Liaison Group (CLG) meeting on 5 September 2023 at the PWWTP. The final minutes have been circulated with this report. CLG members agreed the next meeting would be scheduled for February 2024, with the Q2 report circulated prior to the meeting. The Q3 meeting would then likely be held in April 2024, and the Council will discuss with the CLG holding this meeting online given the proximity to the Q2 meeting.

Sludge removal update

The Council has removed the sludge from S2 and P1-P5 and completed sampling and testing of the soil. GWRC has now approved the Council to fill these areas, along with other approved areas, as per WGN230028 to enable the completion of sludge lagoon decommissioning under consent WGN040098.

BPO update

The Council held further hui with representatives from Te Atiawa ki Whakarongotai in Q1, including between the Group Manager – Infrastructure Services and the Chairman of Te Atiawa ki Whakarongotai. The Council also prepared a Kaupapa briefing paper. Further, engagement with both iwi and/or their representative consultants is planned for 11 Oct 2023.

Water Outlook reporting

The Council discussed the new water outlook reporting at a previous CLG meeting. We anticipate moving to our new quarterly reporting format for the Q2 report.

Work undertaken in Q1 FY24 and ongoing projects

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

- Upgrading the RAS Pump Station 2 (75% complete), although mechanical refurbishment of Clarifier 1 is complete and is now operational, the remaining scope can happen only after Clarifier-3 is emptied (weather permitting, as clarifier-3 has 50% of the capacity).
- The storage pond upgrade work, lining and retired sludge bed decommissioning commenced. Work to be carried out in the window of Sep to Apr 2024 by Pritchard Civil Ltd.
- For pH dosing plant: Selected the preferred contractor, now working on the contract documentation. Work to be carried out in the window of Sep to Apr 2024.
- Design progressing for inlet structure upgrade.
- Cleaning of the DAF Plant completed.
- Order placed for new 1MVA transformer with Electra (upgrade expected to be complete by early 2024).

Please contact me should you need further information.

Yours faithfully,



Tess Drewitt
Consultant Compliance Officer to
Kapiti Coast District Council

Date 9 October 2023



Ramesh Pillai
Senior Asset Planning Engineer
Kapiti Coast District Council

Date 9 October 2023

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	N/A	●
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 Q3.

APPENDIX B – PWWTP QUARTERLY MONITORING RESULTS

APPENDIX C – PWWTP AIR REPORT