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 March 2024 (Q3, FY2024) for Paraparaumu Wastewater Treatment Plant (PWWTP)**

Dear Anna,

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

* An assessment of compliance against the resource consent conditions for Q3 (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 Q3 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.

**Community Liaison Group meeting**

The Council held its quarterly CLG meeting on 22 February 2024 at the WWTP. At the meeting, CLG members agreed to continue with quarterly meetings. The next CLG meeting will therefore be scheduled for mid-late May 2024. A copy of this report will be circulated to the CLG prior to this meeting.

**Sludge removal update**

The Council has removed sludge from all areas approved for removal under the GWRC consents (WGN230028 and WGN040098). The storm basin upgrade did not provide suitable fill for the decommissioning. GWRC has approved the Council to obtain clean soil from other sources. The Council is identifying alternative options for the soil and the lagoons will be fully decommissioned subject to the availability of suitable soil.

**Work undertaken in Q2 FY24 and ongoing projects**

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

* Upgrading the RAS Pump Station 2 is now complete.
* The storage pond upgrade work is complete; the pond is now lined and fully operational. We have not had high rainfall in Q3 requiring use of the storm storage pond.
* For pH dosing plant: Contract awarded, work in progress and expected to be complete by April 2024.
* A-Recycling system upgrade: Order placed for large pumps; upgrade work expected to be complete by June-July 2024.
* Design progressing for UV upgrade.

Please contact me should you need further information.

Yours faithfully,



**Tess Drewitt** Date 17 April 2024
Consultant Compliance Officer to
Kapiti Coast District Council



**Ramesh Pillai** Date 17 April 2024
Senior Asset Planning Engineer
Kapiti Coast District Council

**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]](#footnote-2) | 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]](#footnote-3) | N/A |  |
| Return effluent to PWWTP as soon as reasonably practicable | 11 |  |

**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/m3) | 11 |  |
| Emission Testing[[3]](#footnote-4) | 12 |  |
| Monitoring  | 13 |  |
| Annual Reporting (by 1 August) | 13 |  |
| Maintenance | 14-16 |  |
| Complaints register[[4]](#footnote-5) | 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 |

**APPENDIX B – PWWTP QUARTERLY MONITORING RESULTS**

**APPENDIX C – PWWTP AIR REPORT**

1. Note that the sludge vitrification process was decommissioned in 2010. [↑](#footnote-ref-2)
2. This is a requirement in the consent details (page 1) as opposed to the conditions of consent. [↑](#footnote-ref-3)
3. Not currently required by GWRC. [↑](#footnote-ref-4)
4. No complaints received during Q2. [↑](#footnote-ref-5)