

Paraparaumu Wastewater Treatment Plant (PWWTP) and Waikanae Terminal Pump Station Compliance monitoring assessment 2024 - 2025

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| Consent No: | WGN970255 WGN030149 WGN130218 WGN040098 WGN230028 WGN220189 | Date: 17 March 2026 | Monitoring Officer: Anna Muspratt |
| Location: | Paraparaumu Wastewater Treatment Plant (PWWTP) Waikanae Terminal Pump Station | | |
| Activities: | <p>Discharge to freshwater (Mazengarb Stream) and discharge to air from all facilities, associated with the operation of the Paraparaumu Wastewater Treatment Plant PWWTP (WGN970255 [2656] & [27633]).</p> <p>Various activities that relate to the operation of the PWWTP, including discharge to freshwater (Mazengarb Stream) during storage basin overflows (WGN030149), discharge to air from the boiler and biofilter associated with the sludge handling process (WGN130218) and discharges of contaminants to land from historic sludge lagoons that are decommissioned and have had all residual sludge removed (WGN040098).</p> <p>The WGN230028 suite of consents (granted in March 2023) relate to earthworks for the storage basin upgrades, new outfall and capping of the decommissioned sludge lagoons.</p> <p>Discharges to land and air at the Waikanae lined storage basin associated with the Waikanae Terminal Pump Station during maintenance and overflows (WGN220189).</p> | | |
| Reporting period | 1 July 2024 – 30 June 2025 | | |

Your compliance rating

This compliance report covers the period from 1 July 2024 – 30 June 2025. The outfall that was constructed in 2023 and the fully lined storm overflow pond have been in use. A site walkover took place on 10 December 2025 (within the new 2025-2026 compliance period) as site visits that were arranged during this compliance period were unable to be carried out due to weather and staff availability issues.

The community liaison group (CLG) continued to have quarterly meetings. Four meetings were held during the reporting period 1 July 2024 – 30 June 2025. Thank you for facilitating these meetings and keeping GWRC up to date with the operations at PWWTP. CLG members attended the site walkover on 10 December 2025.

The PWWTP consents WGN970255 [34837] [2656] [27633], WGN130218 [32196] and WGN030149 [22566] all had expiry dates of 31 March 2022. A new application was submitted in December 2021 and PWWTP was operating under Section 124 of the RMA. As you will be aware, the Government has passed an amendment to the RMA under urgency called the Resource Management (Consent Duration) Amendment Act. The Amendment Act has legal effect from 17 December 2025. Under the Amendment Act consents WGN970255 [2656] [27633], WGN130218 [32196] and WGN030149 [22566] are automatically extended and now expire on 31 December 2027.

Consent WGN970255 [34837] has expired; this permit consented the discharge of wastewater to land, being a storm overflow pond, for flows that exceeded the plant capacity. The storm overflow pond has been fully lined therefore there is no leakage to ground. This means the discharge to land permit is no longer required and is not being applied for as part of the new application. This report will not assess the compliance of WGN970255 [34837].

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| <p>WGN970255 [2656] Discharge tertiary treated wastewater to the Mazengarb Stream.</p> <p>WGN970255 [27633] discharge to air from all facilities.</p> <p>WGN030149 [22566] Discharge of screened, dilute wastewater as overflow from the overflow basin to the Mazengarb Stream.</p> <p>WGN040098 [34794] Discharge of contaminants to land from a contaminated site (sludge lagoons).</p> <p>WGN130218 [32196] Discharge to air from the operation and maintenance of a boiler and biofilter.</p> <p>WGN230028 [38814] Streamworks (new outlet structure).</p> <p>WGN230028 [38465] earthworks and discharge of sediment where it may enter water.</p> <p>WGN230028 [38466] earthworks and discharge of sediment where it may enter water.</p> <p>WGN220189 [38051] Discharge to air from storage of untreated wastewater in a storage basin at the Waikanae Terminal Pump Station.</p> <p>WGN220189 [38050] Discharge untreated wastewater onto land (storage basin) at the Waikanae Terminal Pump Station.</p> | | <p>FULL COMPLIANCE</p> <p>All conditions met – well done! No further action required</p> |
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Your overall compliance summary

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| VERY GOOD  | Overall excellent management of site and consents at the Paraparaumu WWTP. The consent holder is proactive in meeting their consent requirements. If issues have arisen concerning consent conditions, the consent holder responds with promptness and effectiveness. |
| VERY GOOD  | Overall excellent management of site and consents at the Waikanae Terminal Pump Station. The consent holder is proactive in meeting their consent requirements. If issues have arisen concerning consent conditions, the consent holder responds with promptness and effectiveness. |

Comments

Discharges from the Paraparaumu Wastewater Treatment Plan (PWWTP)

WGN970255 [2656] and [27633] – discharges to air from all facilities and discharge of treated wastewater to the Mazengarb Stream

Condition 1 of WGN970255 [2656] limits the effluent discharge to 18,600m³/day. No incidences of exceeding the daily effluent discharge limit were reported.

Condition 9 of WGN970255 [2656] and [27633] requires the Consent Holder to establish a Community Liaison Group (CLG). During the reporting period CLG meetings were held 26 August 2024, 04 December 2024, 28 February 2025, 07 May 2025 and quarterly reports were discussed. A meeting was held on 6 August (outside the reporting period) to discuss the Q4 reporting period.

Condition 18 of WGN970255 [2656] includes effluent quality standards that must be complied with. The results of all sampling taken during this monitoring period complied with the limits specified in **Condition 18** of WGN970355 [2656].

Condition 19 of WGN970255 [2656] requires the Consent Holder to forward results of the effluent sampling undertaken in accordance with Condition 18 at three monthly intervals. During the reporting period, results were submitted on time, and this condition is compliant.

WGN970255 [27633] - permit to allow the discharge of contaminants to air from all facilities

The consent conditions of this consent have been met during the monitoring period. There have been no complaints about odour being generated by the PWWTP.

WGN040098 [34794] – discharge to land from the historic sludge lagoons

Condition 5 requires the Consent Holder to prepare and submit a report at completion of bore sampling to identify what effects the sludge is having on groundwater, and whether the sludge should remain in the ponds or be removed. GWRC received this report on 20 May 2020, and the Consent Holder is compliant with Condition 5.

In mid-2022, KCDC applied for resource consent to upgrade the storm overflow basin by increasing the size and fully lining the basin, along with removal of any residual sludge and capping the decommissioned sludge beds. These works are significant in addressing environmental effects as both the unlined storm storage basin and residual sludge in the decommissioned sludge beds were potential sources of groundwater contamination. Work to complete the capping of the decommissioned sludge beds continues and is discussed below under consent WGN230028.

WGN130218 [32196] – discharge to air from boiler and biofilter (sludge drying process)

Condition 5 states that the temperature of the boiler shall be maintained above 650°C at all times while dryer off gas is in the boiler. This is to ensure complete pollutant destruction.

When taking into account probe location (which provides a 20% buffer), the boiler temperature was non-compliant with this consent condition in January on two occasions and 4-9 May 2025. These temperature drops were due to the Consent Holder carrying out planned maintenance on the boiler or due to other repairs and maintenance that were required and this is considered a low-risk non-compliance. GWRC is not taking compliance action for this technical non-compliance, and this issue is ongoing due to the need for routine maintenance.

Condition 13 requires an annual report to be provided by 1 August of each year. This information has been submitted with the quarterly reports, and PWWTP is compliant with this condition.

WGN030149 [22566] – overflow to the Mazengarb Stream (untreated screened raw wastewater during high flows)

Resource consent WGN030149 [22566] allows for the overflow from the storm basin into the Mazengarb Stream when the PWWTP and storm overflow basin are at capacity during periods of high rainfall. There were no overflows from the storm storage basin during the 2024-2025 period.

Storm storage basin earthworks (increase the capacity and lining the basin), new outfall (involving streamworks), capping of decommissioned sludge beds

WGN230028 was granted on 01 March 2023. The new outfall was completed and is in use, and lining of the storm storage pond is also completed. All residual sludge has been removed from the lagoons as part of the sludge lagoon decommissioning (see consent WGN040098), however capping of the decommissioned sludge beds has not yet been completed.

WGN230028 [38465], [38466], [38814]

Condition 3 requires a preconstruction meeting prior to works commencing, this condition is compliant.

Condition 4 allows the Consent Holder to deposit material excavated from the storage basin in decommissioned sludge lagoons S1, S3, S4, S5 and S6. This condition is compliant.

Condition 5 allows the consent holder to deposit material in lagoons S2 and P1-P5 only after written approval is given by the Manager. This approval has been provided, and this condition is compliant.

Condition 6 relates to the submission of the erosion and sediment control plan (ESCP) for approval and **Condition 7** requires as-builts to be submitted prior to earthworks commencing. The final ESCP must also provide a detailed methodology including erosion and sediment control measures for the installation of the outlet structure and rock rip rap in the Mazengarb Stream as required by the condition of [38814].

The old ESCP that was approved by GWRC on 3 October 2023 (final version submitted on 5 October 2023) has lapsed as works to complete the new outfall and storm overflow pond has been completed. Earthworks associated with the capping of the decommissioned sludge lagoons will continue. This condition is compliant.

Condition 9 states the consent holder shall progressively stabilise all disturbed or unstabilised areas in accordance with the ESCP and **Condition 10** states that all erosion and sediment control measures shall remain the responsibility of the consent holder and no erosion and sediment control measures shall be removed or decommissioned prior to receiving written confirmation that the catchment is stabilised to the satisfaction of the Manager. Earthworks took place as part of the capping of the sludge lagoons in March-April 2025, GWRC was notified of the works and documentation was provided. These conditions are compliant.

Condition 11 includes the requirement for weekly site audits by a suitably qualified person to ensure that all erosion and sediment controls are operating effectively in accordance with the ESCP. With only approximately 9 days of earthworks being carried out when fill material was placed in a decommissioned lagoon, the consent holder is compliant with this condition and no issues were raised regarding the procedures that were followed when carrying out these works.

Condition 12 requires the consent holder to carry out rainfall triggered monitoring in response to certain rain events when sediment-laden water cannot be pumped to the PWWTP and **Condition 13** includes steps to take if there are exceedance or failures during these events. No monitoring has taken place, this monitoring discontinued when works to complete the new outfall and storm overflow pond were completed. The consent holder is compliant with this condition.

Condition 15 requires all earthworks to be stable during the winter period and **Condition 16** describes that no earthworks are authorised other than those necessary for maintenance of ESC during the winter period. This condition is compliant during the reporting period as no earthworks involving capping of the sludge lagoons took place during the winter period.

Condition 17 relates to the fill material bought on to site. Material shall be restricted to natural materials, and this condition is compliant.

Condition 12 of [38814] for land use consent to construct a new outlet structure. There were no complaints, and this condition is compliant.

It is noted that the new outlet is now at odds with the discharge consents due to the change in the location of discharge point. This is expected to be rectified in the new consenting regime.

Discharges to land and air at the Waikanae Terminal Pump Station

WGN220189 [38051], [38050]

The fully lined wastewater storage basin in Waikanae on Rutherford Drive was used to temporarily hold untreated wastewater during this monitoring period.

No complaints have been received about odour from this site. **Condition 13** is compliant.

Condition 15 requires the Consent Holder to maintain the existing sign on the fence of the storage basin to indicate a health warning and restricted access to the area. The Consent Holder is compliant with this condition.

Condition 17 relates to annual reporting within 1 month of commencement of the consent. The annual report was received on 25 July 2025. This condition is compliant.

Summary

KCDC's management of their consents for the PWWTP has been assessed as 'very good'. Excellent management of the site and consents has occurred overall. All notifications have been provided in a timely manner. The boiler temperature dropped below consented temperatures on three occasions during planned and unplanned maintenance. It is anticipated that addressing the consent conditions to allow for boiler temperature drops during planned maintenance will take place through the re consenting process of the Paraparaumu WWTP that is currently underway.

Overall, excellent management of site and consents has occurred at the Waikanae Terminal Pump Station, and a 'very good' outcome is given for the monitoring period. The consent holder is proactive in meeting their consent requirements.

Your consent incurs variable compliance monitoring charges at your consent anniversary. These charges are likely to increase to reflect any additional time spent monitoring your consent due to non-compliance.

GWRC compliance rating system

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| | <p>FULL COMPLIANCE – All conditions met – well done! No further action required</p> <ul style="list-style-type: none"> All conditions assessed are met including supplying information and/or records |
| | <p>LOW RISK NON-COMPLIANCE – Most conditions met. Some action may be required</p> <ul style="list-style-type: none"> Minor breach of effects based conditions or works outside scope of consent with low risk of adverse environmental effects Breach of conditions which is technical in nature (eg, failure to submit monitoring report or records) |
| | <p>MODERATE NON-COMPLIANCE – Some condition(s) not met. Action required</p> <ul style="list-style-type: none"> Repeated failure to supply monitoring report or records. Breach of conditions where there are some environmental consequences and/or moderate risk of adverse environmental effects |
| | <p>SIGNIFICANT NON-COMPLIANCE – Many condition(s) not met. Immediate action required</p> <ul style="list-style-type: none"> Breach of conditions where there are significant environmental consequences and/or high risk of adverse environmental effects |

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| <p>VERY GOOD</p>  | <p>Overall excellent management of site and consents. The consent holder is proactive in meeting their consent requirements. If issues have arisen concerning consent conditions, the consent holder responds with promptness and effectiveness.</p> |
| <p>GOOD</p>  | <p>Overall good management of site and consents. The consent holder is generally on top of meeting their consent requirements. Whilst there are some minor breaches of consent conditions, these have no ongoing environmental effects.</p> |
| <p>FAIR</p>  | <p>Overall the management of site and consents is considered to be fair. There are occasional breaches of consent conditions and/or lapses in providing information to GWRC.</p> |
| <p>POOR</p>  | <p>Overall the management of site and consents is considered to be poor. There are consistent and ongoing breaches of consent conditions. The consent holder is not getting on top of their consent requirements.</p> |

Consent monitoring charges

Each consent receives a consent monitoring charge from GWRC.

This charge is made up of three parts:

- A *customer service charge* that covers the administrative cost of your consent(s);
- A *compliance monitoring charge* that covers all actual and reasonable time associated with assessing compliance with your consent(s) including the time spent visiting and assessing your site, information and reports you submit, file notes, travel time and reporting to you on compliance with your consent(s); and
- A *State of the Environment (SoE) charge* that covers a proportion of the cost of GWRC monitoring the environment that relates to your activity.

For further information on consent monitoring charges, please see our *Resource Management Charging Policy*.

