

## Paraparaumu Wastewater Treatment Plant –

### Community Liaison Group (CLG) Meeting

#### Minutes of Meeting

**Held:**

Friday 28 February, 11AM-12:30AM, EOC Briefing Room, Fytfield Place, Paraparaumu.

**Chair:**

Tess Drewitt (Compliance Manager, Council) (TD)

**Present:**

Ramesh Pillai (Manager Water and Wastewater Services, Council) (RP)

Grant Stuart (WWTP Manager, Council) (GS)

Ben Thompson (Water conservation & trade waste officer, Council) (BT)

Reuben Mackey (WWTP Supervisor, Council) (RM)

Kim Mazur (Lab Manager, Council) (KM)

Glen Olsen (Paraparaumu Community Board Chair) (GO)

Anna Muspratt (Resource Advisor, GWRC) (AM)

Robin Falconer (Friends of the Waikanae River) (RF)

Pip Parkin (Regional Public Health) (PP) – online

**Apologies:**

Sean Mallon (Group Manager – Infrastructure Services, Council)

Ami Coughlan (Wellington Fish & Game Council)

Wayne Cameron (Kapiti Fly Fishing)

**Distribution:** PWWTP CLG

Item	Action
<b>1 Welcome/ Introductions</b> <ul style="list-style-type: none"><li>TD welcomed attendees to the meeting.</li><li>The group did a roundtable of introductions for those online or who had not yet met.</li><li>TD recorded apologies.</li></ul>	-
<b>2 Agenda Overview</b> <ul style="list-style-type: none"><li>TD presented an overview of the meeting agenda.</li></ul>	-
<b>3 Matters arising since previous meeting</b> <b>3.1 WWTP resource consent publicly notified</b> <ul style="list-style-type: none"><li>RP gave an update on the consent renewal process.</li><li>The Council is progressing discussions with submitters to establish whether concerns can be addressed or Council needs to proceed with a hearing. The Council has had several rounds of meetings with Te Atiawa with a view to reaching a consensus. The Council has suggested including a rakahore structure at the discharge outlet to increase ground contact before the discharge reaches the stream, which could include sand filter, activated carbon screens or carbon socks, bark/wood nuggets, gabion baskets, etc. Napier and Hastings use similar structures at their Wastewater Treatment Plants. RP also provided iwi with a list</li></ul>	

<p>of improvements on the WWTP since 1990 and riparian planting is set to commence (discussed under a later line item).</p> <ul style="list-style-type: none"> <li>■ PP said that National Public Health Service has been corresponding with GWRC regarding the submission but had no further updates.</li> <li>■ RP noted that the Council has had positive correspondence with Fish &amp; Game over their submission, which was forwarded to GWRC. Ami Coughlan was away so could not provide an update.</li> <li>■ AM had no updates from GWRC regarding the application. The Council regularly updates GWRC on progress with submitters.</li> </ul> <p><u>Actions:</u></p> <ol style="list-style-type: none"> <li>1. RP to provide another update at next meeting.</li> </ol> <p><b>3.2 Proposed National Wastewater Environmental Performance Standards</b></p> <ul style="list-style-type: none"> <li>■ While not an agenda item, KM mentioned that the Proposed National Wastewater Environmental Standards (pNWEPS) had been released and were open for submission.</li> <li>■ The group discussed the pNWEPS noting that the Council's treated effluent is already at a high standard. BT commented that his understanding is that GWRC cannot issue standards that are stricter than the national guidelines once these are finalised, AM agreed with this comment. RP noted that the nitrates in the discharge are still an issue, and the Council is undertaking trials for improving nitrate treatment.</li> <li>■ KM noted that Taumata Arowai would not set standards on some contaminants as there is not a global standard, for example PFAS and hormones.</li> </ul> <p><i>Update: Consultation on the pNWEPS opened 25 February 2025 and closes 24 April 2025. Documents are available on Taumata Arowai's website: <a href="#">Help shape New Zealand's wastewater future - Taumata Arowai - Citizen Space</a>. The Council is deciding whether to make a submission.</i></p>	<p>RP</p>
<p><b>4 Review of Quarterly Report – Q2, FY24</b></p> <p><b>4.1 Q2 report summary</b></p> <ul style="list-style-type: none"> <li>■ TD presented a summary of Q2 report: <ul style="list-style-type: none"> <li>• Fully compliant with consent conditions in Q2.</li> <li>• The Council held CLG meeting in December 2024.</li> <li>• Storm storage pond used 1x in Q2, FY25 so Council is at risk of not complying with 3x maximum limit. However, GWRC confirmed in 2023/24 compliance report that no enforcement action will be taken if the Council does not comply with the limit now that the pond has been lined.</li> <li>• RP noted that hydraulic debottlenecking and UV concept planning is underway. RP sought confirmation from AM for the spec of the UV.</li> <li>• Further upgrade projects underway.</li> </ul> </li> </ul>	
<p><b>5 CAPEX Activities – Q2</b></p> <p><b>5.1 Improvements plan – work underway</b></p> <ul style="list-style-type: none"> <li>■ RM provided an update on work underway in Q2. Items are listed in the presentation handout.</li> <li>■ RP explained that the Council is in the process of decommissioning the sludge beds, but as raised in previous meetings, clean fill is required to fill and cap the lagoons. The Council has some onsite, however any imported fill needs to be tested and meet GWRC's criteria. KM &amp; RP noted that testing is expensive, which has likely put developers off providing cleanfill for the lagoons.</li> </ul>	

<ul style="list-style-type: none"> <li>■ The group discussed potential opportunities for cleanfill. It was noted that the Mansell family development in Waikanae was soon to commence and could potentially provide a soil for cleanfill. TD noted that Richard Mansell is a member of the CLG.</li> </ul>	
<p><b>6 CLG Feedback on Quarterly Report</b></p> <ul style="list-style-type: none"> <li>■ No feedback.</li> </ul>	-
<p><b>7 Other CLG feedback</b></p> <ul style="list-style-type: none"> <li>■ No other feedback raised.</li> </ul>	-
<p><b>8 Other matters</b></p> <p><b>8.1 GWRC compliance assessments</b></p> <ul style="list-style-type: none"> <li>■ TD pre-circulated GWRC compliance assessments for 2022-23 and 2023-24 prepared by AM. Both assessments were positive and found that the Council is performing very well against consent conditions.</li> <li>■ AM gave a brief presentation on the findings of the two compliance assessments. The primary issues for 2022-23 were the usage of the storm storage pond exceeding three times, and the temperature in the boiler dropping during maintenance. Both issues are technically non-compliant, but the Council does not need to undertake any enforcement action as there are no effects. TD noted both issues need to be addressed through the new consent and AM would follow this up.</li> <li>■ The Council was fully compliant in 2023-24. AM noted that there was an issue with the Council submitting ESCP audit reports to GWRC on time, but GWRC now has a copy of all audit reports and confirmed that Council is compliant. AM reminded the Council to submit reports when requested.</li> </ul> <p><b>8.2 Planting in the Mazengarb</b></p> <ul style="list-style-type: none"> <li>■ RP gave an update on riparian planting in the Mazengarb. The Council is engaging Te Atiawa to undertake riparian planting, including supplying and planting. Planting is set to commence in 2025-26.</li> </ul> <p><b>8.3 Amoeba outbreak</b></p> <ul style="list-style-type: none"> <li>■ KM held a discussion on the amoeba outbreak at the WWTP over January. The WWTP experienced a bout of Testate Amoeba, likely due to rapid temperature increase, no rain and an increased BOD load during the Christmas period. This resulted in higher-than-normal TSS recorded. TSS limits not exceeded but close. The Amoeba are large and block the filter. This results in a false positive. KM has only seen this once before at the WWTP. At the time, there was also a spate of tin jelly fish at the beaches, all are related. TSS returned to normal after a few days with the Council not needing to take any actions. Graphs are included in meeting presentation.</li> </ul> <p><b>8.4 Biosolids</b></p> <ul style="list-style-type: none"> <li>■ BT gave an update on biosolids. The Council has been investigating options to divert biosolids from the landfill. This is very much a work in progress and the Council expects to progress further with this in 2025/26. Options include a global consent for a direct discharge to land, based on a GIS map with agreed parameters. The Council is also investigating pyrolysis. The Council will continue to engage with Te Atiawa on options, however unlikely before 2025/26. BT also noted that Silverstream is undertaking planting trials, so we will await the findings of these. KM also noted that the pNWEPS includes standards for biosolids.</li> </ul>	

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**9      Next Meeting**

- Next meeting proposed for early May 2025, noting April will be difficult with easter and school holidays.

**TD**

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**Minutes by:** Tess Drewitt, Kāpiti Coast District Council

**Paraparaumu Wastewater Treatment Plant – Community Liaison Group (CLG) Meeting: Q2, FY25**

Friday 28 February 2025, 11AM-12:30PM  
EOC Briefing Room, Fytfield Place, Paraparaumu.



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**Welcome / Apologies**



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**Today's Agenda**

1. Welcome / Apologies
2. Agenda Overview
3. Matters arising from previous meeting
4. Review of Quarterly Report – Q2, FY25
5. Work undertaken in Q2 and ongoing projects
6. CLG feedback on Quarterly Report
7. Any other CLG/Community Feedback
8. Other matters
9. Next meeting



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## Matters arising from previous meeting

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## Paraparaumu WWTP – consent publicly notified

- Summary of submissions circulated to CLG in December.
- Council progressing negotiations with submitters. Four submitters either withdrawn or support the consent application.
- Waiting for the communication from DHB and Wellington Fish & Game.

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## Quarterly Report – Q2, FY2025

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## Resource consents assessed

### WGN970255 [34837], [27633], [2656] – Paraparaumu WWTP – Discharges

To discharge treated wastewater from the plant to land (unlined storage area) and the Mazengarb Drain and to discharge contaminants to air from all facilities.

### WGN030149 [22566] – Paraparaumu WWTP – Overflow basin

To discharge screened, diluted wastewater as overflow from the overflow basin at the WWTP to the Mazengarb Drain in an emergency.

### WGN130218 [32196] – Paraparaumu WWTP – Sludge drying

To discharge to air from the boiler and biofilter associated with sludge handling.

### WGN040098 [34794] – Paraparaumu WWTP – Sludge lagoons

To discharge contaminants to land from the decommissioned sludge lagoons.



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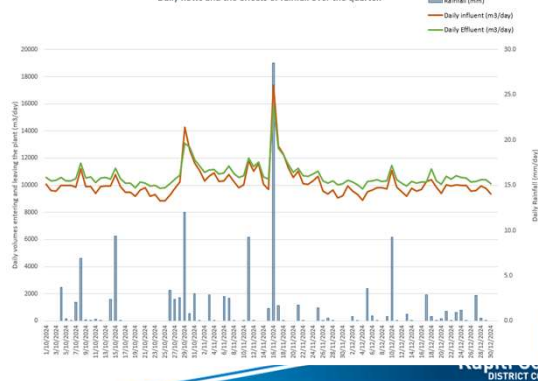
## Compliance summary

WGN970255 [2656]	October 2024	November 2024	December 2024
Purpose for Which Right is Granted	0	0	0
Condition 18 (a) (i)	4.91	5.08	5.47
Condition 18 (a) (ii)	0	0	0
Condition 18 (a) (iii)	7.89	8.21	5.20
Condition 18 (b) (i)	0	0	0
Condition 18 (b) (ii)	7	15	5
Condition 18 (b) (iii)	0	0	0
Condition 18 (c)	7.3	7.2	7.5
Condition 18 (d)	6.12		
Condition 18 (e)	7.59		
Condition 18 (f)	Y	Y	Y
Condition 18 (g)	Y	Y	Y
Condition 18 (h)	Y	Y	Y
Condition 18 (i)	5.75		
WGN030149 [22566]	Compliant?	Compliant?	Compliant?
Purpose for Which Right is Granted	0	0	0
Condition 2 (i)	0	0	0
WGN040098 [34794]	Compliant?	Compliant?	Compliant?
Purpose for Which Right is Granted	0	0	0
Condition 2	0	0	0
WGN130218 [32196]	Compliant?	Compliant?	Compliant?
Purpose for Which Right is Granted	Y	Y	Y
Condition 5	0	0	0
Condition 13	Y	Y	Y
Condition 17 & 18	0	0	0

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## Compliance Summary

Daily flows and the effects of rainfall over the quarter.



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## Compliance Summary

- Fully compliant with consent conditions in Q2.
- The Council held CLG meeting in December 2024.
- Storm storage pond used 1x in Q2, FY25 so at risk of exceeding 3x/year in consent conditions.
- Further upgrade projects underway.

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## Capex Activities – Q2

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## PWWTP Improvements Plan – projects underway

- RAS-1 upgrade – 90% complete
- New pH dosing plant commissioned
- A-Recycling system upgrade underway
- Hydraulic debottlenecking and UV upgrade concept plan underway. Need confirmation from GWRC for the spec of the UV.
- Preliminary design for inlet works complete
- Clarifier-3 scraper arm being constructed
- Works on Southern Section for Waikanae Duplicate WW Rising Main to commence
- Sludge bed decommissioning procurement progressing

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## CLG Feedback on Quarterly Report

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## Other CLG Feedback

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## Other matters

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## GWRC Compliance assessment 2022-23

- GWRC circulated compliance assessment in December 2024.
- Of the 7 consents assessed:
  - 5 assessed as “full compliance”
  - 2 assessed as “low-risk non-compliance”
- Key issues:
  - Discharge to storm storage pond exceeding 3x
  - Boiler temperature dropping during maintenance activities.



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## GWRC Compliance assessment 2023-24

- GWRC circulated compliance assessment in February 2025.
- 11 consents assessed, including four granted in 2022/23 (Waikanae pump station, storm storage pond works, outlet upgrade):
  - all assessed as “full compliance”



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## Planting the Mazengarb

- Riparian planting plans (location and species) provided to Te Atiawa
- Proposal from Te Atiawa for supply of plants, undertake planting and after care
- Council awaiting for proposal
- Te Atiawa advised Council that planting can commence in 2025-26.



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## Amoeba outbreak & TSS

- In January, WWTP experienced a bout of Testate Amoeba, likely due to rapid temp rise, no rain and increased BOD load during Christmas period.
- Results in higher TSS in the discharge, and chemistry increases. Levels returned to normal towards end of January.
- No exceedances in consent limits; but TSS approached limit.

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## Amoeba outbreak & TSS



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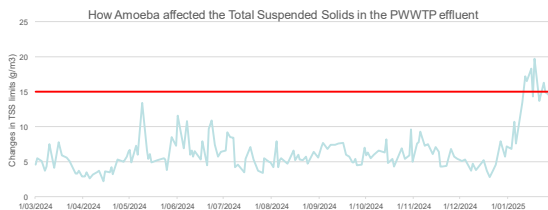
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## Impact on effluent TSS



Month	Monthly geomean (g/m3)
October	6.0
November	6.2
December	4.7
January	14.3

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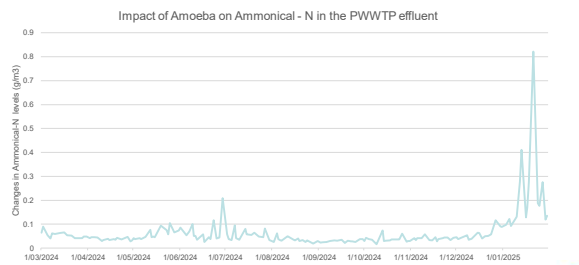
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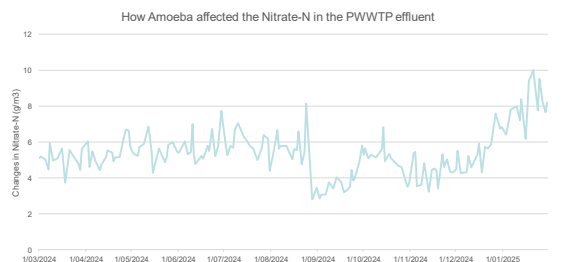
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## Impact on effluent Ammoniacal-N



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## Impact on effluent Nitrate-N



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## Biosolids – regulatory frameworks for land application

- Permitted activity Rule R70, conditions:
  - Grade Aa biosolids
  - Proximity to watercourses (>20m)
- Restricted discretionary activity Rule R71:
  - Grade Ab-Bb biosolids
  - Not within community drinking water supply protection area
  - Precluded from notification.
- Limited GWRC examples.

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## Update from Council

- Council exploring options around managing biosolids:
  - Carry on with the current disposal to landfill
  - Land application – A GIS map developed
  - Mixing biosolids with sawdust and burn in boiler
  - Pyrolysis
- Looking to engage with mana whenua in 2025/26 for CIA

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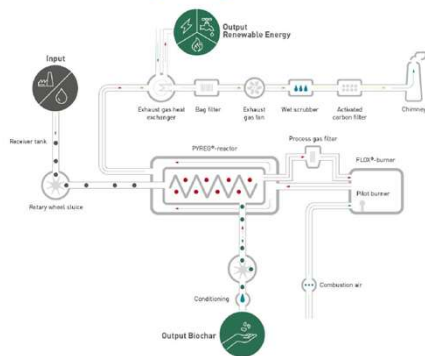
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## Pyrolysis



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## Next Meeting

- April 2025 – Q3 reporting, FY25.
- Topics to discuss at next meeting?

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