

Paraparaumu Wastewater Treatment Plant –

Community Liaison Group (CLG) Meeting

Minutes of Meeting

Held:

Wednesday 7 May, 10:30AM – 12PM, EOC Briefing Room, Fytfield Place, Paraparaumu.

Chair:

Tess Drewitt (Compliance Manager, Council) (TD)

Present:

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

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

Reuben Mackey (WWTP Supervisor, Council) (RM)

Anna Muspratt (Resource Advisor, GWRC) (AM)

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

Pip Parkin (Regional Public Health) (PP)

Ami Coughlan (Wellington Fish & Game Council) (AC)

Apologies:

Sean Mallon (Group Manager – Infrastructure Services, Council)

Grant Stuart (WWTP Manager, Council)

Kim Mazur (Lab Manager, Council)

Richard Mansell (Community Board Member)

Distribution: PWWTP CLG

Item	Action
1 Welcome/ Introductions <ul style="list-style-type: none">TD welcomed attendees to the meeting and recorded apologies.	-
2 Agenda Overview <ul style="list-style-type: none">TD presented an overview of the meeting agenda.	-
3 Matters arising since previous meeting 3.1 WWTP resource consent publicly notified <ul style="list-style-type: none">RP gave an update on the consent renewal process and iwi engagement. A new CEO of Te Atiawa ki Whakarongotai Charitable Trust has been appointed and is getting up to speed on the resource consent application. The Council plans to invite Board members to attend a site visit and presentation on the WWTP to confirm any further cultural mitigations. RP is hopeful that the site visit and meeting will go ahead. <i>Update: An invitation has now been sent to Board members to attend a site visit.</i>TD noted that the Council made a submission to Taumata Arowai on the Proposed National Wastewater Environmental Performance Standards (pNWEPS). PWWTP is currently excluded from the pNWEPS because it discharges into a “very low dilution environment”. Council has submitted against this exclusion and hopes to be included within the final standards with a point-of-discharge standard representing best practice.	

<ul style="list-style-type: none"> ■ TD confirmed that GWRC has approved an extension under s. 37 of the RMA to provide time for ongoing engagement with iwi and the final standards to come into effect, should the discharge be covered by the standards. A hearing could still go ahead, anticipated for late-2025. ■ BT noted that the Council is investigating whether to increase testing to get a baseline understanding on whether the discharge is meeting all proposed standards. Will likely increase testing once the standards are finalised, noting that the Council monitors for more parameters than covered under the pNWEPS, but does not monitor for all those within the pNWEPS. ■ <u>Actions:</u> <ol style="list-style-type: none"> 1. RP to provide another update at next meeting. 	RP
<p>4 Review of Quarterly Report – Q3, FY24</p> <p>4.1 Q3 report summary</p> <ul style="list-style-type: none"> ■ TD presented a summary of Q3 report: <ul style="list-style-type: none"> • Fully compliant with consent conditions in Q3. • The Council held CLG meeting in February 2025. • Storm storage pond not used. • Further upgrade projects underway. 	
<p>5 CAPEX Activities – Q3</p> <p>5.1 Improvements plan – work underway</p> <ul style="list-style-type: none"> ■ RP provided an update on work underway in Q3. Items are listed in the presentation handout. Specific comments include: <ul style="list-style-type: none"> • Council had applied to increase UV to 4-log reduction and he is awaiting GWRC feedback on this standard before progressing with preliminary design. AM confirmed that the UV standard required will be finalised through the reconsenting process, which will be late this year. • Works on replacing the Clarifier-3 scraper arm will be undertaken in the summer to accommodate low flows. Clarifier-3 manages 50% of flows and will need to be taken offline for 1-2 weeks. Flows will be managed through Clarifier-1 and 2 during this time. Replacing the scraper arm in Clarifier 3 will improve how sludge is removed. Clarifier 2 is currently being repaired. • Procurement for works on the southern section of the duplicate rising main is near completion with works to be completed by the end of June 2025. Rising main will remain offline until works on northern section are complete. • Sludge bed decommissioning is approximately 30% complete. Works on hold during winter season and filling ponds will recommence as earthworks start back up again. Still a lot more fill required to complete and the Council is working with developers to identify and test available fill. When complete, a final report will be provided to GWRC. RP hopes this will be the end of 2025/26. ■ RM provided comments on boiler maintenance works in Q3 resulting in the temperature of the boiler dropping below 650. This is not a non-compliance with consent as it relates to maintenance work. RM said the boiler is currently offline for annual maintenance, which lasts from Sunday – Friday. During this time, wet sludge is sent directly to landfill. The new consent needs to cover this maintenance period. RM noted there has not been any odour complaints and that odour is contained on site. Wet sludge is sent directly to the landfill during this time. ■ RP summarised that two activities need to be included within new consent – The storm storage pond can be used as required (not limited to three times) and the boiler can drop below 650° C during maintenance (especially annual 	

<p>maintenance).</p> <p><i>Update: Council's planning advisors, Harrison Grierson, have provided advice on any amendments required to the consent application and Council is working through this.</i></p>	
<p>6 CLG Feedback on Quarterly Report</p> <ul style="list-style-type: none"> No feedback. 	-
<p>7 Other CLG feedback</p> <ul style="list-style-type: none"> No other feedback raised. 	-
<p>8 Other matters</p> <p>8.1 Proposed National Wastewater Environmental Performance Standards</p> <ul style="list-style-type: none"> TD gave a summary of KCDC's submission of the pNWEPS. The proposed standards are based on the type of receiving environment and the dilution factor. Discharges from PWWTP into a "very low" dilution environment (dilution factor <10) so are excluded from the standards. PWWTP is a "high performing" plant for it's size discharging into a freshwater environment. The discharge already exceeds standards for low dilution environments, except TN. In Council's submission, we disagreed with setting standards based on dilution alone. This doesn't factor in the quality of the discharge or the receiving environment (including cumulative effects), and therefore disincentivises low performing plants. We also disagreed with excluding very low dilution environments, which penalises high performing plants based on external factors. A copy of KCDC's submission can be found here: https://www.kapiticoast.govt.nz/media/euijljrh/230425-revised-final_submission-water-standards-v3a.pdf AC said Fish & Game Council brought up similar issues in their submission, specifically noting "dilution is not the solution to pollution". F&G are advocating for higher standards for point of discharge. RP noted that the Council has completed Stage 1 nitrogen reduction improvements and is heading into Stage 2, with an aim of reducing TN to 2-3mg, which will be well within the standards (currently proposed as 5mg). If the standard cannot be achieved through Stage 2, he will look at significant Stage 3 improvements to achieve the reduction. <u>Actions:</u> <ul style="list-style-type: none"> TD will provide update on progress at next meeting. Anticipating final standards in August. <p>8.2 Site visit for CLG members</p> <ul style="list-style-type: none"> RF suggested another site visit for CLG members as the last one was some time ago and he wasn't able to attend this. RP agreed a site visit would be good. Also an opportunity to see upgrades. <u>Actions:</u> <ul style="list-style-type: none"> TD has sent out meeting invitation for site visit on 12 June. 	<p>TD</p> <p>TD/RM</p>
<p>9 Next Meeting</p> <ul style="list-style-type: none"> Next meeting proposed for August 2025. 	TD

Minutes by: Tess Drewitt, Kāpiti Coast District Council



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Matters arising from previous meeting

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Paraparaumu WWTP – consent publicly notified

- Council continues to engage with Iwi – formally inviting TAKW Board Members to attend a site visit at PWWTP.
- Council made a submission on the proposed National Wastewater Standard.
- GWRC has agreed to hold application under s37 of the RMA to provide for iwi engagement & Standards.
- If required, hearing anticipated for later 2025.

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Quarterly Report – Q3, 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.

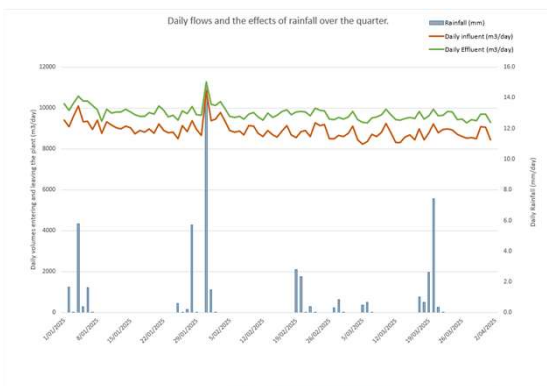
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Compliance summary

WGN970255 [2656]	January 2025	February 2025	March 2025
Purpose for Which Right is Granted	0	0	0
Condition 18 (a) (i)	6.61	2.84	2.77
	0	0	0
Condition 18 (a) (ii)	12.76	3.92	3.17
	0	0	0
Condition 18 (b) (i)	12	7	5
	0	0	0
Condition 18 (b) (ii)	7.1	7.4	6.9
Condition 18 (c)	0.82		
Condition 18 (d)	16		
Condition 18 (e)	Y	Y	Y
Condition 18 (f)	Y	Y	Y
Condition 18 (g)	Y	Y	Y
Condition 18 (h)	6.41		
WGN030149 [22566]	Compliant?	Compliant?	Compliant?
Purpose for Which Right is Granted	0	0	0
Condition 2	0	0	0
WGN040098	Compliant?	Compliant?	Compliant?
Purpose for Which Right is Granted	Y	Y	Y
WGN130218 [32196]	Compliant?	Compliant?	Compliant?
Purpose for Which Right is Granted	Y	Y	Y
Condition 5	0	0	0
Condition 11	Y	Y	Y
Condition 17 & 18	0	0	0

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Compliance Summary



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Compliance Summary

- Fully compliant with consent conditions in Q3.
- The Council held CLG meeting in February 2025
- Storm storage pond not used in Q3.
- Further upgrade projects underway.

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Capex Activities – Q3

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PWWTP Improvements Plan – projects underway

- RAS-1 upgrade – 100% complete
- New pH dosing plant commissioned – 100% Complete
- A-Recycling system upgrade – 100% Complete
- Hydraulic debottlenecking and UV upgrade concept plan underway – capacity will increase from 290L/s -380 L/s, with a 4-log reduction target.
- Concept design for inlet works complete, procurement for preliminary design underway.
- Clarifier-3 scraper arm being constructed.
- Works on Southern Section for Waikanae Duplicate WW Rising Main – Planned to complete by or before June 2025.
- Sludge bed decommissioning procurement progressing. Shifting of 3500m3 of material from Landfill stockpile is underway.

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CLG Feedback on Quarterly Report

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Other matters

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Wastewater Standards

- Standards based on type of receiving environment and dilution factor.
- Discharges from PWWTP into a “very low” dilution environment (dilution factor <10) so excluded from the Standards.
- PWWTP “high performing” plant – discharge exceeds all standards for low dilution environments, except TN.

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Wastewater Standards – Council's submission

- Disagree with setting standards based on dilution alone:
 - Doesn't factor in the quality of the discharge, quality of receiving environment, cumulative effects.
 - Disincentivises low performing plants.
- Disagree with excluding very low dilution environments:
 - Penalises high performing plants based on external factors.

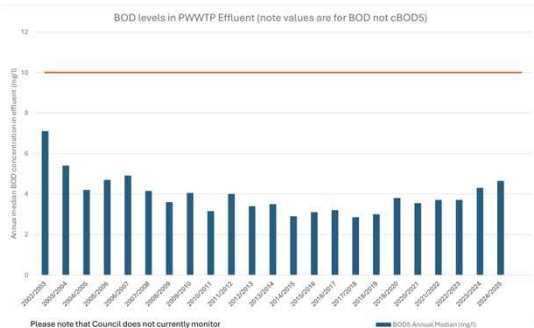
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Wastewater Standards – Requested changes

- Include point-of-discharge standards for discharges.
- Include discharges to very low dilution environments.
- Clarify changes to s. 124 rights.
- Halt processing of RC's until Standards are issued (~Aug 2025).

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BOD



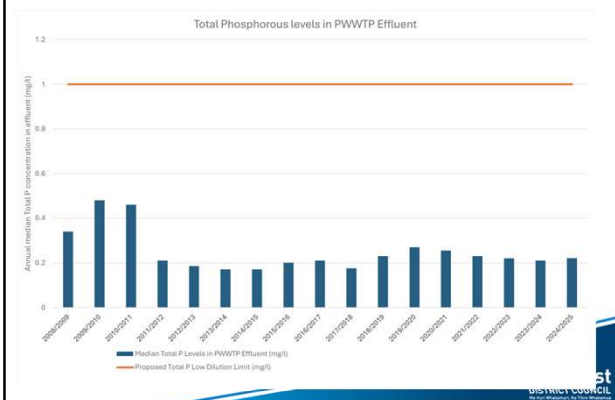
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Total suspended solids (TSS)



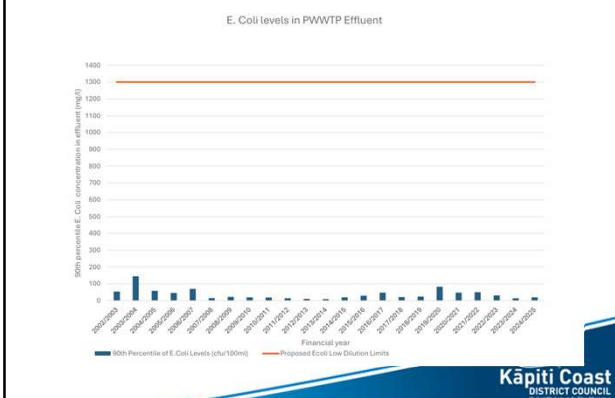
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Total Phosphorous

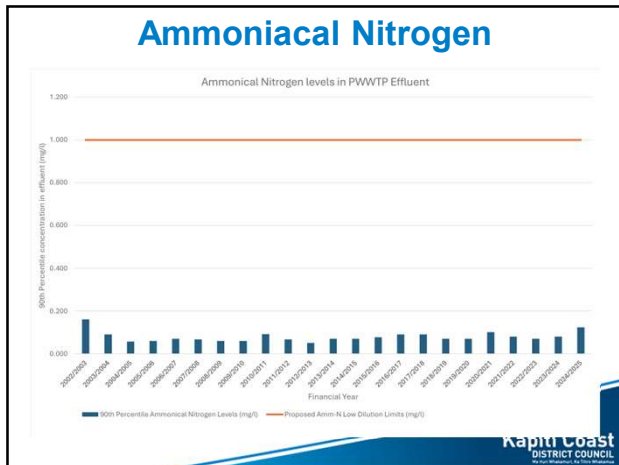


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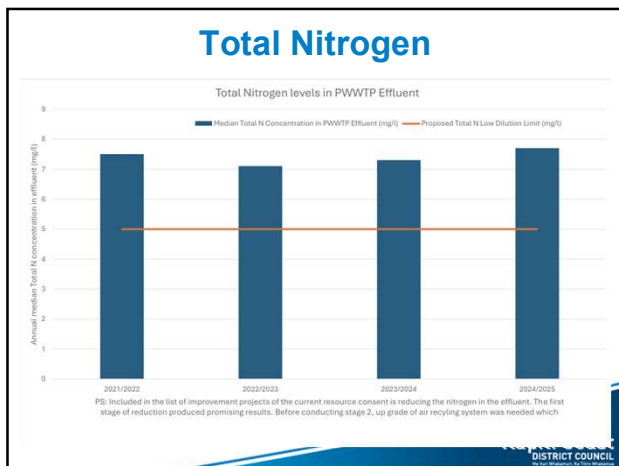
E. Coli



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Proposal to improve TN

- Upgraded A-Recycling Pumps, anticipate reductions to:
 - Annual median: 5.2 mg/L
 - 95th percentile: 7.0 mg/L
- Next stage involves upgrading the recycling process, anticipate achieving reductions to meet the “low” dilution environment Standards.
- Stage-2 of the nitrate reduction trial to commence soon.

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Other CLG Feedback



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Next Meeting

- July/August 2025 – Q4 reporting, FY25.
- Topics to discuss at next meeting?



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