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By email: Anna.Muspratt@gw.govt.nz

WGN970255 [27633] – Paraparaumu WWTP – Discharge to air

Discharge to air from all facilities at the Paraparaumu WWTP (within the Paraparaumu WWTP site).

WGN970255 [2656] – 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 June 2026 (Q4, FY2026) for Paraparaumu Wastewater Treatment Plant (PWWTP)

Kia ora 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 June 2026. This report includes the following information:

- An assessment of compliance against the resource consent conditions for Q4 (Appendix A).

- Quarterly monitoring results required by resource consents WGN970255 [27633] and [2656] (Appendix B).
- Annual monitoring results required by resource consent WGN130218 [32196], noting these results are submitted on a quarterly basis (Appendix B).

Overall compliance with resource consents in Q4 FY2026

The Council is fully compliant with all PWWTP resource consents as demonstrated in Tables 1 to 4 in **Appendix A**. Aspects of this report and the Council's activities in Q4 are discussed below.

Faecal Coliforms

In Q3, we reported notable spikes in faecal coliforms. We did not see any spikes in Q4, which suggests that the spikes related to the events reported in Q3, notably the UV power bank partial outage (as we had 50% of the lamps were working on the affected bank), a potentially illegal trade waste discharge into the network, and works to refurbish the Clarifier-2 scraper arm.

Boiler outages

The boiler temperature dropped below 650 degrees C twice during Q4, once from 20-23 April and again from 25-30 May. Both incidences related to boiler maintenance.

Community Liaison Group meeting

The Council held its quarterly CLG meeting on 12 June 2026 at the WWTP. Key items discussed include the faecal coliform spikes observed during Q3 and upgrades at the plant. The next quarterly meeting will be scheduled for September 2026.

Work undertaken in Q4 FY2025-26 and ongoing projects

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

- **Hydraulic debottlenecking of clarifier-3 and UV upgrade:** This project is currently on hold awaiting the final decision on the resource consent application. Should Council progress with major plant upgrades to meet WEPS standards, these works may no longer be required.
- **Inlet-works:** Stantec (NZ) Limited is leading the inlet upgrade works. The design works commenced in mid-April and is expected to be completed in next 9-months. The Geotech assessment for the site was undertaken in July/August 2026. Following the final design, the construction is anticipated to take 5-6 months.
- **Clarifier-2 refurbishment:** Clarifier-2 was refurbished in March 2026, including a new scraper arm. Clarifier 2 was isolated during this time.
- **DB-2 & PLC upgrade:** Procurement is completed and the works are in progress.
- **New scraper arm for Clarifier-3:** We are installing a new scraper arm in Clarifier-3. The scraper arm has arrived however the works have been delayed due to the urgent work requirements on Clarifier-2 in March. Clarifier-3 will also need to be isolated during the works period, which could have a minor impact on plant performance during wet weather. Clarifier-3 works will be completed over the summer.

- **Sludge-bed decommissioning:** We continue to identify appropriate fill for the retired sludge lagoons before they can be fully decommissioned and are in correspondence with prospective contractors. Area 3 is now completely full, and we are focussing on topsoil and grassing to cap. Area 2 is around 25% full. Additional fill material being stockpiled on site as permitted.

Updates on other projects are as follows:

- **Waikanae Duplicate Wastewater Rising Main (WDWRM):** Council is working towards gaining approval from Te Atiawa ki Whakarongotai Charitable Trust for the existing pipeline through the wahi tapu site. In the absence of approval, the application will proceed to a hearing. A further update will be provided next quarter.
- **Grading the quality of the biosolids:** Council currently undertaking a testing programme to confirm the quality of the biosolids. Obtaining a good grade provides opportunities to apply the solids on to land. This would be a better environmental outcome and provide significant savings for the ratepayer. Verifying the quality is the first step. The second will be to undertake conversations with the three iwi groups and wider community.

Update on Reconsenting the PWWTP discharges

Council are continuing to work through options for reconsenting discharges from the WWTP considering the recent regulatory changes, including the reinstatement of the previously expired consents and the new National Wastewater Environmental Performance Standards (WEPS). As reported last quarter, Council intends to decide on next steps by the end of 2026, to provide more time to work through potential upgrades required to ensure WEPS compliance. Currently, any replacement application needs to be submitted by 30 June 2027 to ensure s. 124 rights under the Resource Management Act 1991 (RMA) to continue operating under the existing consents.

Please contact me should you need further information.

Yours faithfully,



Tess Drewitt
Consultant Compliance Officer to
Kapiti Coast District Council

Date: 12 August 2026



Ramesh Pillai
Manager Water and Wastewater Services
Kapiti Coast District Council

Date: 12 August 2026

Cc:
Grant Stuart - Wastewater Treatment Plants Manager
Community Liaison Group members

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	

¹ Note that the sludge vitrification process was decommissioned in 2010.

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 ²	12	
Monitoring	13	
Annual Reporting (by 1 August)	13	
Maintenance	14-16	
Complaints register ³	17	
Incident register & GWRC notification (within 24 hrs / 7 working days)	18	

² Not currently required by GWRC.

³ No complaints received during Q4.

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 – Q4-FY2026

Summary Compliance Report for Quarter				Quarter 1		
WGN970255[2656]	Parameter	Limit	Metric	April 2026	May 2026	June 2026
Purpose for Which Right is Granted	Discharge Flows	Discharge flows may not exceed 18,600 m3/day into Mazengarb Stream.	No. days discharge flows exceeded limit.	0	0	0
Condition 18 (a) (i)	BOD5	The Geometric Mean for BOD from 12 monthly samples must be under 15g/m3	Geometric mean	5.19	6.43	5.03
		Only one BOD sample/month may exceed 25g/m3	No. days sample exceeded limit.	0	0	0
Condition 18 (a) (ii)	Suspended Solids	The Geometric Mean for Suspended Solids from 12 monthly samples must be under 15g/m3	Geometric mean	6.06	6.78	5.27
		Only one Suspended Solids sample/month may exceed 25g/m3	No. days sample exceeded limit.	0	0	0
Condition 18 (b) (i)	Faecal Coliform Bacteria	The Geometric Mean for Faecal Coliform from 12 monthly samples must be under 200 MPN	Geometric mean	3	9	3
		Only one sample/month may exceed 5000MPN/100ml	No. days sample exceeded limit.	0	0	0
Condition 18 (b) (ii)	pH	Based on 12 samples/month, the pH must stay within 6-9 (shows the geo mean)	Geometric mean	7.3	7.3	7.0
Condition 18 (c)	Ammonia	Based on 36 consecutive samples, no more than 3 of 36 Ammonia samples exceed 3.6 g/m3.	Geometric mean	0.09		
Condition 18 (c)	Nitrates	Based on 36 consecutive samples, no Nitrate sample may exceed 30 g/m3.	Geometric mean	6		
Condition 18 (c)	Dissolved Phosphorus	No limit - requirement only to analyse samples.	Confirms samples analysed	Y	Y	Y
Condition 18 (c)	Total Phosphorus	No limit - requirement only to analyse samples.	Confirms samples analysed	Y	Y	Y
Condition 18 (e)	Dissolved Metals	No limit - requirement only to analyse samples.	Confirms samples analysed	Y	Y	Y
Condition 18 (d)	Dissolved Oxygen	Based on 36 consecutive samples, no more than 3 Dissolved Oxygen samples may be below 5 ppm.	Geometric mean	6.85		
WGN970255 [34837]	Parameter	Limit		Compliant?	Compliant?	Compliant?
Purpose for Which Right is Granted	Stormbasin use	Permitted to use four times/year	No. times used	0	0	0
Condition 7 (b)	Notify GWRC	Required to notify GWRC when used.	No. times notified.	0	0	0
WGN030149 [22566]	Parameter	Limit		Compliant?	Compliant?	Compliant?
Purpose for Which Right is Granted	Discharge screened, diluted wastewater as overflow from the stormbasin	No limit - In general accordance with consent documents.	No. times used	0	0	0
Condition 2	Notify GWRC	Required to notify GWRC when used.	No. times notified	0	0	0
WGN040098	Parameter	Limit		Compliant?	Compliant?	Compliant?
Purpose for Which Right is Granted	Discharge contaminants to land from decommissioned sludge lagoons	No limit - In general accordance with consent documents.	Confirms compliance.	Y	Y	Y
WGN130218 [32196]	Parameter	Limit		Compliant?	Compliant?	Compliant?
Purpose for Which Right is Granted	Discharge contaminants to air from Wastewater Treatment Plant Operation and Maintenance	No limit - In general accordance with consent documents.	Confirms compliance.	Y	Y	Y
Condition 5	Boiler Temperature	Must be maintained above 650 degrees (when recorded temperature is increased by 20% taking into account probe location, excludes maintenance & repair)	No. times temperature dropped below 650 degrees	0	0	0
Condition 13	Monitor and record plant parameters	Requirement to continuously monitor and record plant parameters and report to GWRC annually.	Confirms compliance.	Y	Y	Y
Condition 17 & 18	Complaints and incidents.	Requirement to record/report complaints and incidents.	No. complaints/incidents.	0	0	0

Paraparaumu WWTP - 24h Composite Sampling of Effluent

Parameter	Alkalinity	BOD	COD	Total N	TSS
Units	g/m³	g/m³	g/m³	g/m³	g/m³
Limit 1 (Geometric Mean)	15				15
Limit 2 (must not exceed for >1/12)	25				25
Year-To-Date Summary					
Number of Samples	36	36	36	36	36
Geometric Mean					
YTD	61.76	5.48	25	6.85	5.98
Apr-26	63.51	5.19	23.67	6.65	6.06
May-26	65.82	6.43	27.09	7.30	6.78
Jun-26	56.53	5.03	25.60	6.69	5.27
Maximum	82.99	9.05	42	10	11.2
No. Samples > limit 1	0	0	0	0	0
No. Samples > limit 2		0			0

Sample Date	Sample Location	Alkalinity	BOD	COD	Total N	TSS
		g/m³	g/m³	g/m³	g/m³	g/m³
1/04/2026	24h Comp	82.99	4.2	15	5.9	5.5
6/04/2026	24h Comp	73.83	7.4	38	7.6	6.1
8/04/2026	24h Comp	71.6	6.4	17	6.7	11.2
11/04/2026	24h Comp	73.78	3.6	20	6.6	8.7
14/04/2026	24h Comp	69.99	3.2	26	7	3.5
16/04/2026	24h Comp	69.55	4.6	16	5.9	4.8
17/04/2026	24h Comp	66.71	6.3	27	6.8	5.2
19/04/2026	24h Comp	60.7	3.64	24	5.3	4.8
21/04/2026	24h Comp	53.63	5.6	26	6.3	4.1
24/04/2026	24h Comp	61.56	5.1	23	6.4	8.7
27/04/2026	24h Comp	42.31	6.7	30	7.5	7.9
29/04/2026	24h Comp	53.99	8.7	34	7.9	5.8
30/04/2026	24h Comp	56.86	4.9	23	7	6.6
2/05/2026	24h Comp	62.21	8.5	24	6.9	5.7
3/05/2026	24h Comp	62.88	6	26	8	9.6
5/05/2026	24h Comp	57.31	6	30	4.1	5.8
7/05/2026	24h Comp	67.38	5.8	25	6.7	8.4
10/05/2026	24h Comp	68.13	4.2	21	8.2	7.3
16/05/2026	24h Comp	65.97	6.6	28	8.3	6.3
19/05/2026	24h Comp	64.99	8.1	33	7.3	7
21/05/2026	24h Comp	63.99	6.8	19	7.3	6.4
24/05/2026	24h Comp	67.36	7.2	22	10	7
26/05/2026	24h Comp	73.11	4.4	38	7.4	7.7
30/05/2026	24h Comp	72.25	9.05	40	7.7	4.7
1/06/2026	24h Comp	65.9	8.1	42	9.3	4.1
4/06/2026	24h Comp	69.39	5.5	21	8	6.8
6/06/2026	24h Comp	52.64	5.8	23	4.4	7.9
11/06/2026	24h Comp	53.4	6	26	7.5	4
12/06/2026	24h Comp	55.81	5.7	32	7.5	4.8
15/06/2026	24h Comp	58.34	4.7	27	7.2	7.4
16/06/2026	24h Comp	66.91	5.8	27	6.2	6.3
18/06/2026	24h Comp	45.62	5.4	22	7.3	5.7
20/06/2026	24h Comp	57.46	4.6	26	7.2	5.9
23/06/2026	24h Comp	59.31	4.6	35	5.3	6.9
25/06/2026	24h Comp	51.99	2.5	14	6.5	3.2
28/06/2026	24h Comp	47.03	3.8	23	5.4	3.1

Year-to-Date Trends

Paraparaumu WWTP - Post UV Grab Sampling

Parameter	Faecal Coliforms (Out)	Temperature at Time of Sampling	DO (Following g Cascade)	pH	Flow Rate	UV Dose Rate
Units	cfu/100 mL	°C	g/m³	0	L/s	mJ/cm²
Limit 1	200		5	6		
Limit 2	5000			9		
Year-To-Date Summary						
Number of Samples	91	91	91	91	91	91
Geometric Mean	5	19.2	6.85	7.21	155.65	70.45
Apr-26	3	20.6	6.7	7.3	152.9	70.5
May-26	9	19.2	6.9	7.3	150.6	72.1
Jun-26	3	17.9	6.9	7.0	163.9	68.7
Maximum (Min for DO)	41	22	6.04	7.64	207	134.4
No. Samples > limit 1	0	0	0	0	0	0
No. Samples > limit 2	0					

Sample Date	Sample Location	Faecal Coliforms (Out)	Temperature at Time of Sampling	DO (Following g Cascade)	pH	Flow Rate	UV Dose Rate
		cfu/100 mL	°C	g/m³	0	L/s	mJ/cm²
1/04/2026	Post UV Grab	4	21.5	6.59	7.5	143	63.4
2/04/2026	Post UV Grab	1	21.5	6.76	7.18	148	60.7
3/04/2026	Post UV Grab	5	21.4	6.7	7.43	118	72.9
4/04/2026	Post UV Grab	1	21.8	6.95	7.39	135	65.6
5/04/2026	Post UV Grab	4	22	6.44	7.34	129	65.7
6/04/2026	Post UV Grab	1	21.9	6.44	7.38	130	67.8
7/04/2026	Post UV Grab	6	22	6.81	7.52	145	61.9
8/04/2026	Post UV Grab	1	21.8	6.43	7.24	102	76.2
9/04/2026	Post UV Grab	5	21.7	7.08	7.48	152	58.5
10/04/2026	Post UV Grab	6	21.8	6.74	7.18	163	60.9
11/04/2026	Post UV Grab	3	21.7	6.49	7.5	152	60.4
12/04/2026	Post UV Grab	1	21.8	6.44	7.41	123	72
13/04/2026	Post UV Grab	7	21.6	6.04	7.1	160	61.9
14/04/2026	Post UV Grab	4	21.4	6.51	7.44	163	59
15/04/2026	Post UV Grab	6	21.3	7.28	7.14	158	59
16/04/2026	Post UV Grab	7	21	6.92	6.94	157	60.8
17/04/2026	Post UV Grab	7	20.7	6.39	7.64	159	60.2
18/04/2026	Post UV Grab	5	20.6	6.45	7.48	149	60.6
19/04/2026	Post UV Grab	5	20.5	7.5	7.56	168	60.2
20/04/2026	Post UV Grab	16	20.4	6.22	7.64	160	60.2
21/04/2026	Post UV Grab	3	18.7	7.24	7.39	181	114
22/04/2026	Post UV Grab	4	18.5	6.64	7.19	180	90
23/04/2026	Post UV Grab	6	18.6	6.38	6.64	197	77.1
24/04/2026	Post UV Grab	1	19.1	7.1	6.75	182	76.7
25/04/2026	Post UV Grab	2	19	6.14	6.92	194	72
26/04/2026	Post UV Grab	5	19.1	6.95	7.41	144	103.8
27/04/2026	Post UV Grab	1	19.6	6.75	6.8	166	86.4
28/04/2026	Post UV Grab	4	19.5	6.78	6.74	162	84.1
29/04/2026	Post UV Grab	1	19.1	7.38	6.82	156	92.4
30/04/2026	Post UV Grab	1	19.3	7.69	7.59	156	89.7
1/05/2026	Post UV Grab	3	19.4	7.26	7.54	163	86.3
2/05/2026	Post UV Grab	12	19.3	6.65	7.39	146	58.1
3/05/2026	Post UV Grab	10	19.4	7	7.31	127	61.3
4/05/2026	Post UV Grab	1	19.6	7.3	7.49	154	109
5/05/2026	Post UV Grab	19	19.5	6.51	7.47	148	57.3
6/05/2026	Post UV Grab	2	19.6	6.38	7.46	150	112.2
7/05/2026	Post UV Grab	14	19.9	6.77	7.47	149	57.7
8/05/2026	Post UV Grab	21	19.9	7.33	7.5	143	59.9
9/05/2026	Post UV Grab	7	19.8	6.55	7.38	150	59.9
10/05/2026	Post UV Grab	7	19.7	6.3	7.32	147	61.7
11/05/2026	Post UV Grab	21	19.2	6.92	7.48	164	58.4
12/05/2026	Post UV Grab	17	19	7.97	7.52	165	113.7
13/05/2026	Post UV Grab	27	19.1	6.9	7.4	151	61.7
14/05/2026	Post UV Grab	41	19.2	6.83	7.3	166	57.7
15/05/2026	Post UV Grab	6	19.6	7.21	7.34	163	120
16/05/2026	Post UV Grab	2	18.9	7.19	7.32	184	98.8
17/05/2026	Post UV Grab	7	19.1	7.69	7.27	175	90.8
18/05/2026	Post UV Grab	26	18.8	7.17	7.26	160	60.8
19/05/2026	Post UV Grab	33	18.9	7	7.28	150	60.7
20/05/2026	Post UV Grab	12	18.8	6.84	7.33	153	58
21/05/2026	Post UV Grab	37	18.5	6.91	7.36	153	58.1
22/05/2026	Post UV Grab	1	19.2	6.71	7.16	148	134.4
23/05/2026	Post UV Grab	7	19	7.14	6.95	97	87.2
24/05/2026	Post UV Grab	1	19	6.66	6.82	147	60.9
25/05/2026	Post UV Grab	9	18.9	6.53	7.32	160	61.1
26/05/2026	Post UV Grab	20	18.9	6.43	7.31	150	61.3
27/05/2026	Post UV Grab	13	18.6	6.99	7.37	144	60.3
28/05/2026	Post UV Grab	15	18.9	6.63	7.37	153	62
29/05/2026	Post UV Grab	5	18.9	6.61	7.34	161	117.7
30/05/2026	Post UV Grab	4	18.6	6.63	7.15	130	62.8
31/05/2026	Post UV Grab	7	18.7	6.88	7.31	145	60.8
1/06/2026	Post UV Grab	3	18.8	6.98	7.12	130	86.5
2/06/2026	Post UV Grab	19	19.2	6.34	7.15	146	67
3/06/2026	Post UV Grab	30	19.2	6.29	7.27	156	57.7
4/06/2026	Post UV Grab	33	18.9	6.82	7.18	144	62
5/06/2026	Post UV Grab	4	19	7.14	7.2	198	99.9
6/06/2026	Post UV Grab	2	17.8	6.35	6.91	207	87.1
7/06/2026	Post UV Grab	0.5	17.8	6.55	7.14	171	77.5
8/06/2026	Post UV Grab	5	18	7.01	7.09	181	58.5
9/06/2026	Post UV Grab	10	17	8.09	7.08	172	58.3
10/06/2026	Post UV Grab	7	16.7	7.87	7.23	163	60.7
11/06/2026	Post UV Grab	6	17.4	7.84	7.2	160	62.1
12/06/2026	Post UV Grab	6	17.8	7.94	7.01	169	59.3
13/06/2026	Post UV Grab	4	17.9	7.72	7.18	167	56.3
14/06/2026	Post UV Grab	3	18.4	7.1	7.19	166	59.1
15/06/2026	Post UV Grab	2	18.3	7.25	7.27	151	67
16/06/2026	Post UV Grab	1	18.2	6.73	7.3	162	64.7
17/06/2026	Post UV Grab	5	18	6.67	7.25	160	64.3
18/06/2026	Post UV Grab	4	18.5	6.5	7.13	162	64.7
19/06/2026	Post UV Grab	7	18.4	6.82	6.68	195	57.3
20/06/2026	Post UV Grab	0.5	17.7	6.62	6.76	139	73.7
21/06/2026	Post UV Grab	2	18.4	6.45	6.74	172	64.3
22/06/2026	Post UV Grab	2	17.8	6.62	7.21	184	67.2
23/06/2026	Post UV Grab	2	17.8	6.89	7.31	163	76.9
24/06/2026	Post UV Grab	3	17.5	6.42	6.85	160	78
25/06/2026	Post UV Grab	3	17.9	6.57	6.81	162	73.9
26/06/2026	Post UV Grab	3	16.9	6.83	6.83	156	70.3
27/06/2026	Post UV Grab	1	16.7	7	6.75	180	74.7
28/06/2026	Post UV Grab	2	17	7.27	6.87	138	101.8
29/06/2026	Post UV Grab	4	17.2	7.41	6.73	165	67.9
30/06/2026	Post UV Grab	1	17.1	6.68	6.65	163	68.9

Year-to-Date Trends

Paraparaumu WWTP - Flow Channel Grab Sampling

Parameter	Temperature at Time of Sampling	TSS	Total Ammonia-N	Nitrate-N	Nitrite-N	DRP	Total P
	Units	°C	g/m³	g/m³	g/m³	g/m³	g/m³
Limit 1 (Geometric Mean)			3.6	30			
Limit 2 (must not exceed for >1/12)							
Year-To-Date Summary							
Number of Samples	45	45	45	45	45	45	36
Geometric Mean	18.15	4.84	0.03	4.56	0.01	0.03	0.17
Apr-26	19.71	5.17	0.03	4.36	0.01	0.03	0.25
May-26	17.83	4.99	0.03	4.82	0.01	0.03	0.24
Jun-26	17.02	4.40	0.03	4.52	0.01	0.03	0.24
Jul-26							
Maximum	21.9	13.2	0.09	6	0.0075	0.08	0.37
No. Samples > limit 1	0	0	0	0	0	0	0
No. Samples > limit 2							

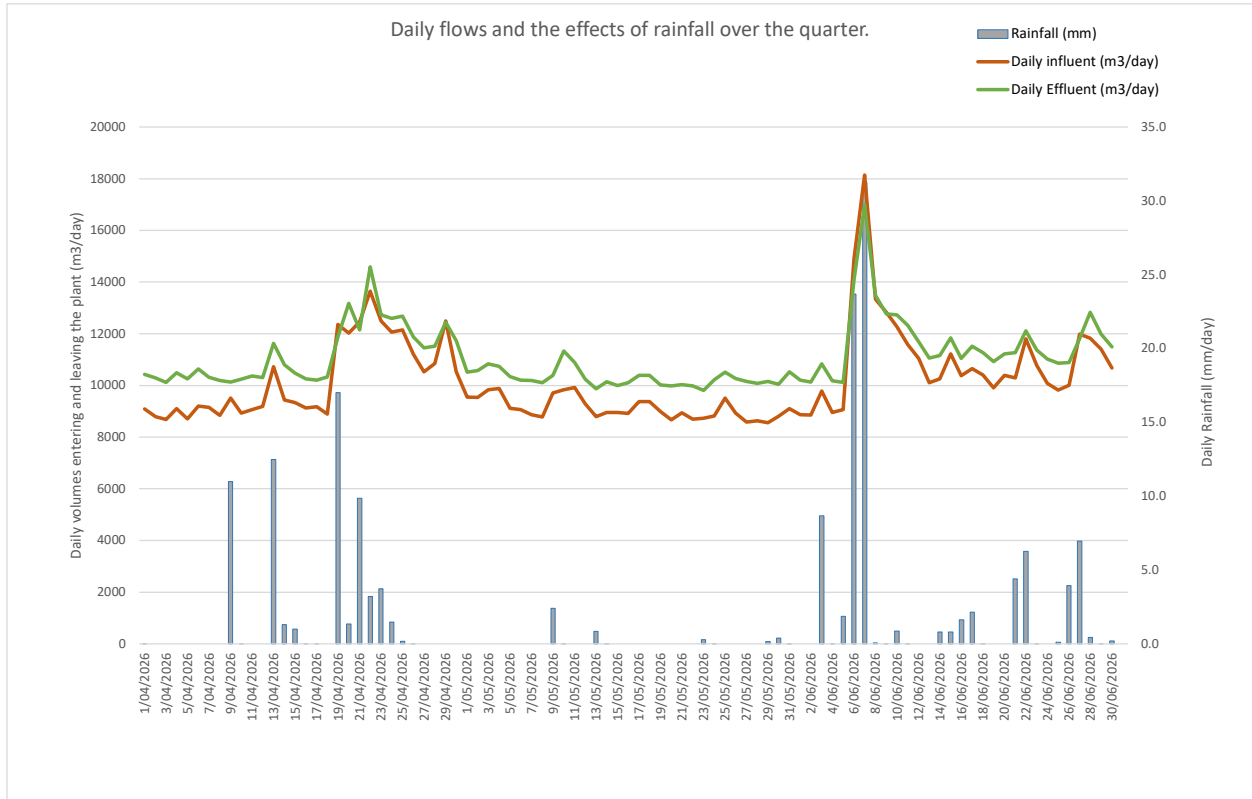
Sample Date	Sample Location	Temperature at Time of Sampling	TSS	Total Ammonia- N	Nitrate-N	Nitrite-N	DRP	Total P
		°C	g/m³	g/m³	g/m³	g/m³	g/m³	g/m³
1/04/2026	Flow Channel Grab	21.2	5.5	0.028	3.69	0.0075	0.025	0.179
2/04/2026	Flow Channel Grab	21.6	11.5	0.033	3.95	0.0075	0.025	
7/04/2026	Flow Channel Grab	20.4	3.9	0.024	3.71	0.0075	0.025	0.132
9/04/2026	Flow Channel Grab	21.6	4.2	0.023	4.79	0.0075	0.025	0.169
12/04/2026	Flow Channel Grab	21.9	4	0.042	4.49	0.0075	0.025	0.16
13/04/2026	Flow Channel Grab	21.6	3.2	0.032	4.89	0.0075	0.025	
15/04/2026	Flow Channel Grab	19.5	9.2	0.042	4.97	0.0075	0.025	0.253
17/04/2026	Flow Channel Grab	19.5	3.2	0.018	4.53	0.0075	0.025	0.127
18/04/2026	Flow Channel Grab	19	6.4	0.027	4.94	0.0075	0.025	0.173
20/04/2026	Flow Channel Grab	18.7	4.9	0.022	3.73	0.0075	0.025	0.155
22/04/2026	Flow Channel Grab	16.7	5.7	0.021	4.96	0.0075	0.025	0.192
24/04/2026	Flow Channel Grab	17.2	6.4	0.033	3.78	0.0075	0.025	
25/04/2026	Flow Channel Grab	20.1	4.6	0.045	3.62	0.0075	0.025	0.179
28/04/2026	Flow Channel Grab	19.1	3.4	0.02	4.93	0.0075	0.025	0.236
30/04/2026	Flow Channel Grab	18.5	7.3	0.027	5.01	0.0075	0.025	0.264
1/05/2026	Flow Channel Grab	17	6	0.028	4.77	0.0075	0.025	0.172
2/05/2026	Flow Channel Grab	17.2	13.2	0.039	4.39	0.0075	0.025	0.372
4/05/2026	Flow Channel Grab	19.5	10.4	0.03	4.81	0.0075	0.025	0.265
6/05/2026	Flow Channel Grab	19.8	3.9	0.028	4.44	0.0075	0.025	0.141
8/05/2026	Flow Channel Grab	19.7	3.1	0.033	4.49	0.0075	0.025	
9/05/2026	Flow Channel Grab	19.5	3.7	0.034	5.32	0.0075	0.025	0.134
11/05/2026	Flow Channel Grab	18	3.8	0.025	4.44	0.0075	0.025	0.123
15/05/2026	Flow Channel Grab	17.3	6.4	0.032	4.02	0.0075	0.025	
17/05/2026	Flow Channel Grab	17.3	3.8	0.04	4.76	0.0075	0.025	0.139
19/05/2026	Flow Channel Grab	16.4	3.6	0.029	4.95	0.0075	0.025	0.122
22/05/2026	Flow Channel Grab	17.8	4.4	0.026	5.12	0.0075	0.025	0.143
24/05/2026	Flow Channel Grab	17.8	4.4	0.045	5.79	0.0075	0.025	
25/05/2026	Flow Channel Grab	17.7	4.3	0.041	5.75	0.0075	0.025	0.171
27/05/2026	Flow Channel Grab	15.5	4.9	0.054	3.98	0.0075	0.025	0.184
31/05/2026	Flow Channel Grab	17.6	5.9	0.041	5.76	0.0075	0.025	0.18
2/06/2026	Flow Channel Grab	19.2	4.1	0.035	6	0.0075	0.025	0.157
5/06/2026	Flow Channel Grab	17.7	5.5	0.033	5.26	0.0075	0.025	0.186
7/06/2026	Flow Channel Grab	17.9	6.5	0.091	2.55	0.0075	0.025	0.146
12/06/2026	Flow Channel Grab	15.9	4.5	0.029	5.16	0.0075	0.025	0.148
13/06/2026	Flow Channel Grab	15.5	7.2	0.025	4.84	0.0075	0.025	0.24
16/06/2026	Flow Channel Grab	17.1	1.9	0.027	4.3	0.0075	0.025	0.151
17/06/2026	Flow Channel Grab	17.8	4.4	0.029	4.43	0.0075	0.025	0.168
18/06/2026	Flow Channel Grab	17.4	3.5	0.026	4.47	0.0075	0.025	
19/06/2026	Flow Channel Grab	17.4	4.5	0.031	5.2	0.0075	0.025	0.158
21/06/2026	Flow Channel Grab	17.8	3.9	0.031	5.2	0.0075	0.081	0.21
24/06/2026	Flow Channel Grab	17.8	4.4	0.033	4.38	0.0075	0.025	0.115
26/06/2026	Flow Channel Grab	16.6	3.9	0.026	5.05	0.0075	0.025	0.169
27/06/2026	Flow Channel Grab	15	4.7	0.022	3.94	0.0075	0.025	
29/06/2026	Flow Channel Grab	16.8	4.7	0.024	4.34	0.0075	0.025	0.158
30/06/2026	Flow Channel Grab	15.9	4.8	0.0075	3.84	0.0075	0.025	

Year-to-Date Trends

Paraparaumu WWTP - Quarterly Flow Data **Apr-26** / **Jun-26**

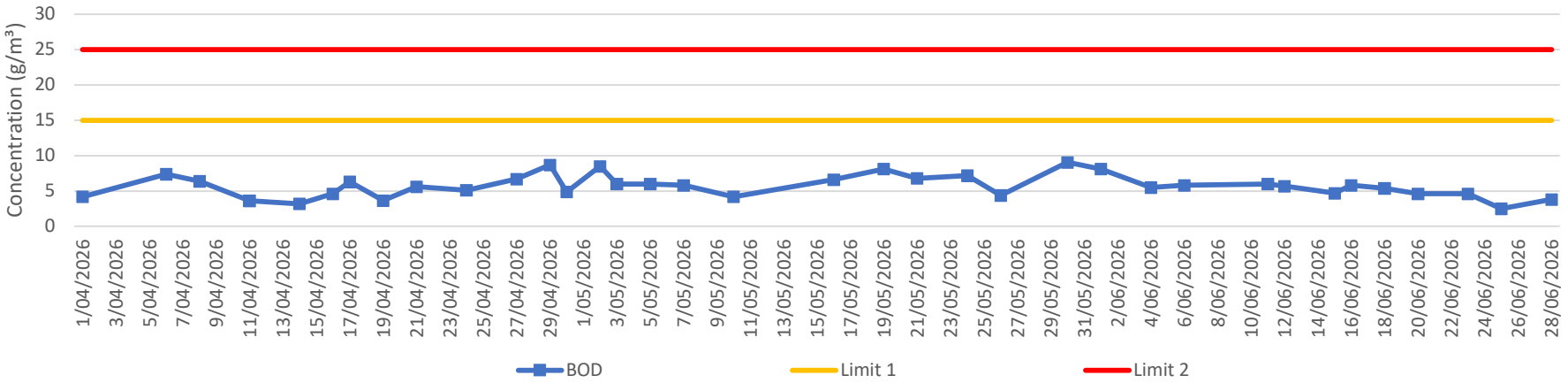
Location	Influent Flow		Effluent Flow		Rainfall
	Average rate	Total	Average rate	Total	Total
Limit				18600	
Units	L/s	m³/day	L/s	m³/day	mm
1/04/2026	105	9091	121	10428	0.0
2/04/2026	102	8793	119	10297	0.0
3/04/2026	101	8684	117	10124	0.0
4/04/2026	105	9102	122	10498	0.0
5/04/2026	101	8703	119	10255	0.0
6/04/2026	107	9206	123	10643	0.0
7/04/2026	106	9155	119	10321	0.0
8/04/2026	102	8847	118	10199	0.0
9/04/2026	110	9511	117	10128	11.0
10/04/2026	103	8932	119	10240	0.0
11/04/2026	105	9066	120	10367	0.0
12/04/2026	106	9188	119	10303	0.0
13/04/2026	124	10729	135	11630	12.5
14/04/2026	109	9441	125	10805	1.3
15/04/2026	108	9338	121	10479	1.0
16/04/2026	106	9132	119	10253	0.0
17/04/2026	106	9174	118	10214	0.0
18/04/2026	103	8890	120	10327	0.0
19/04/2026	143	12361	137	11874	17.0
20/04/2026	139	12028	153	13177	1.3
21/04/2026	144	12462	141	12152	9.9
22/04/2026	158	13646	169	14593	3.2
23/04/2026	145	12501	147	12731	3.7
24/04/2026	140	12064	146	12593	1.5
25/04/2026	141	12150	147	12690	0.2
26/04/2026	130	11211	138	11880	0.0
27/04/2026	122	10522	133	11462	0.0
28/04/2026	126	10855	133	11521	0.0
29/04/2026	145	12499	144	12446	0.0
30/04/2026	122	10528	136	11732	0.0
1/05/2026	111	9554	122	10519	0.0
2/05/2026	110	9530	123	10586	0.0
3/05/2026	114	9833	125	10829	0.0
4/05/2026	114	9892	124	10736	0.0
5/05/2026	106	9119	120	10340	0.0
6/05/2026	105	9061	118	10209	0.0
7/05/2026	103	8869	118	10200	0.0
8/05/2026	102	8780	117	10110	0.0
9/05/2026	112	9706	120	10385	2.4
10/05/2026	114	9838	131	11332	0.0
11/05/2026	115	9929	126	10890	0.0
12/05/2026	107	9287	119	10247	0.0
13/05/2026	102	8795	114	9874	0.9
14/05/2026	104	8955	117	10148	0.0
15/05/2026	104	8963	116	10002	0.0
16/05/2026	103	8915	117	10099	0.0
17/05/2026	109	9375	120	10387	0.0
18/05/2026	109	9377	120	10390	0.0
19/05/2026	104	8994	116	10019	0.0
20/05/2026	100	8674	116	9983	0.0
21/05/2026	103	8939	116	10026	0.0
22/05/2026	101	8695	116	9983	0.0
23/05/2026	101	8736	114	9809	0.3
24/05/2026	102	8826	118	10216	0.0
25/05/2026	110	9508	122	10512	0.0
26/05/2026	103	8934	119	10268	0.0
27/05/2026	99	8587	118	10155	0.0
28/05/2026	100	8633	117	10090	0.0
29/05/2026	99	8561	118	10162	0.2
30/05/2026	102	8801	116	10048	0.4
31/05/2026	105	9105	122	10527	0.0
1/06/2026	103	8877	118	10205	0.0
2/06/2026	102	8852	117	10139	0.0
3/06/2026	113	9782	125	10840	8.7
4/06/2026	104	8953	118	10180	0.0
5/06/2026	105	9066	117	10126	1.9
6/06/2026	173	14917	163	14097	23.7
7/06/2026	210	18143	197	16988	31.3
8/06/2026	154	13348	156	13494	0.1
9/06/2026	149	12832	148	12767	0.0
10/06/2026	142	12276	147	12729	0.9
11/06/2026	134	11579	143	12330	0.0
12/06/2026	128	11047	135	11697	0.0
13/06/2026	117	10100	128	11062	0.0
14/06/2026	119	10258	129	11164	0.8
15/06/2026	130	11226	137	11842	0.8
16/06/2026	120	10381	128	11048	1.6
17/06/2026	123	10649	133	11519	2.2
18/06/2026	120	10399	130	11268	0.0
19/06/2026	115	9911	126	10920	0.0

20/06/2026	120	10397	130	11228	0.0
21/06/2026	119	10294	130	11272	4.4
22/06/2026	137	11803	140	12117	6.3
23/06/2026	125	10781	132	11364	0.0
24/06/2026	117	10079	128	11023	0.0
25/06/2026	114	9815	126	10869	0.1
26/06/2026	116	10011	126	10883	4.0
27/06/2026	139	11991	137	11811	7.0
28/06/2026	137	11828	148	12827	0.4
29/06/2026	132	11409	139	11987	0.0
30/06/2026	124	10681	133	11496	0.2

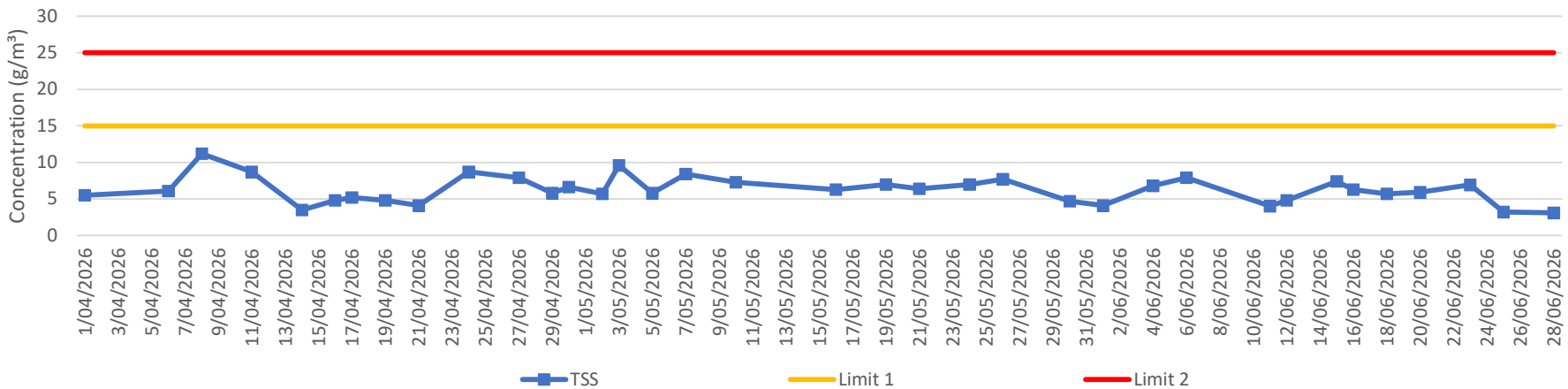


Quarterly compliance trending for the Paraparaumu WWTP effluent (Q4 2025/26)

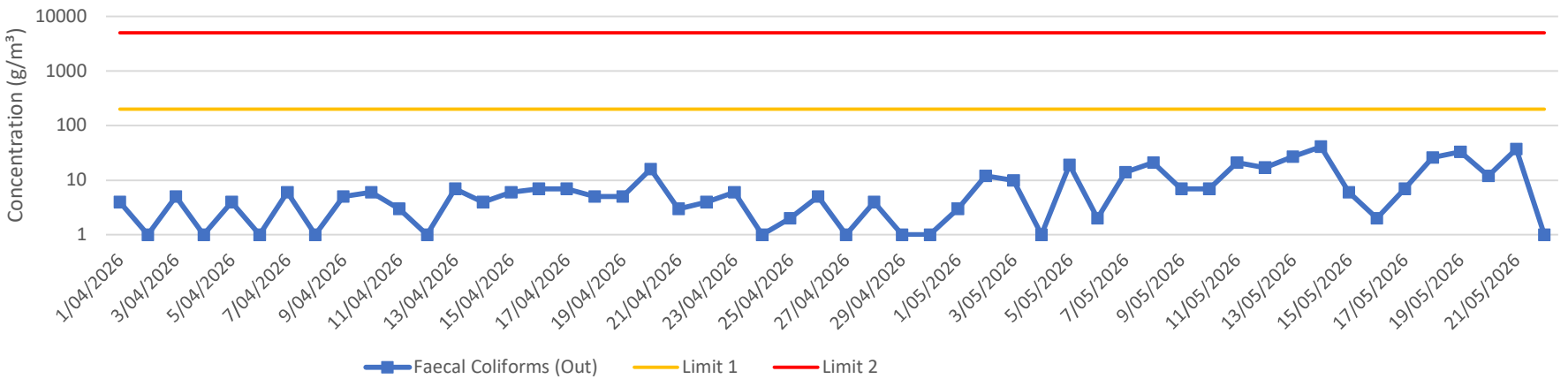
BOD5 Concentrations in PWWTP Effluent over Q4 (April-June 2026)



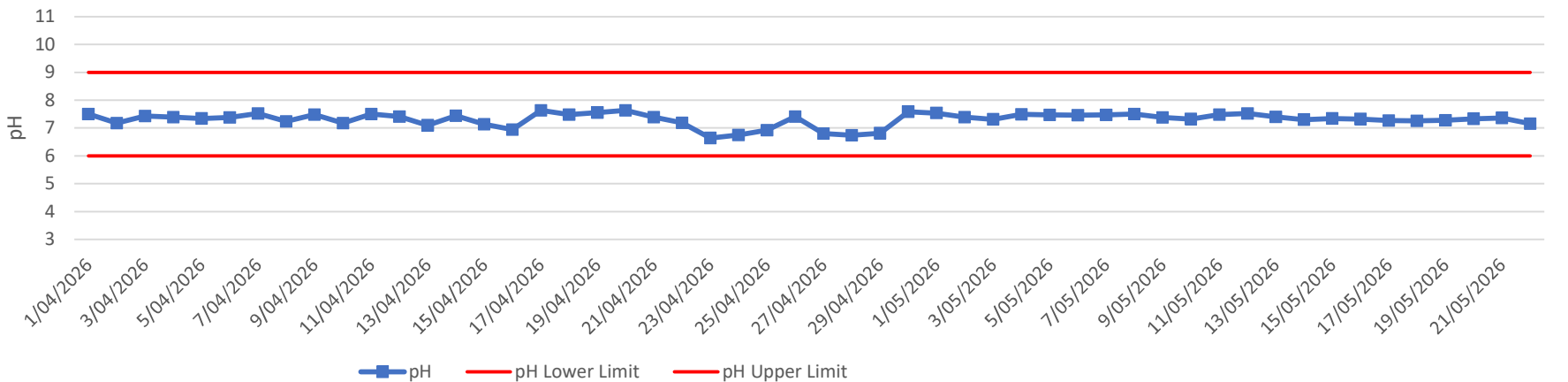
TSS Concentrations in PWWTP Effluent over Q4 (April-June 2026)

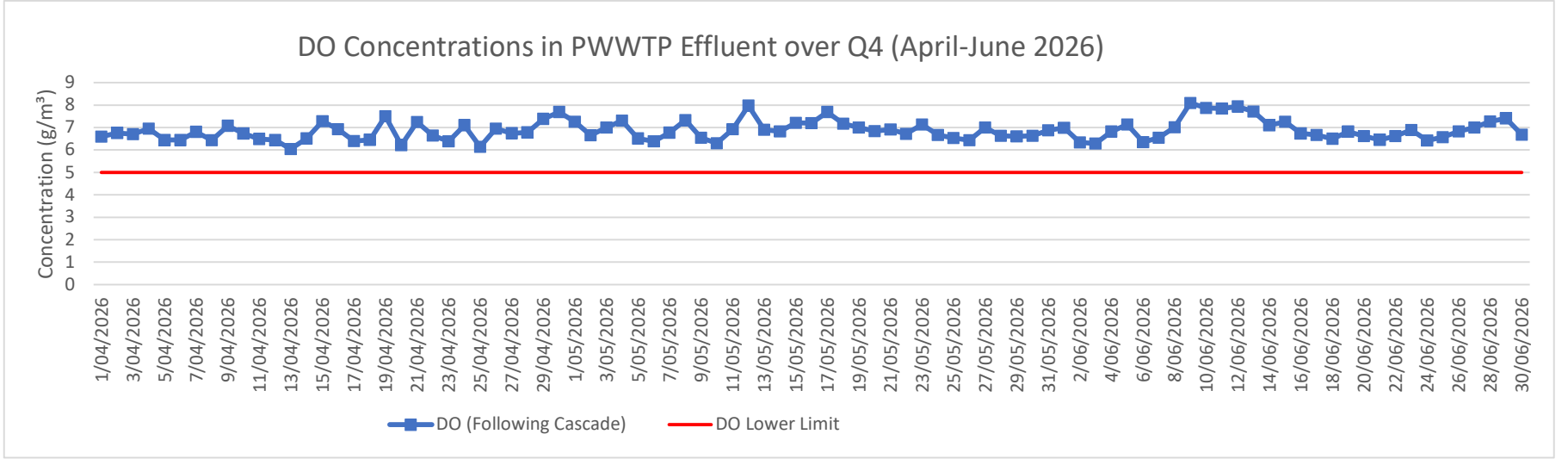
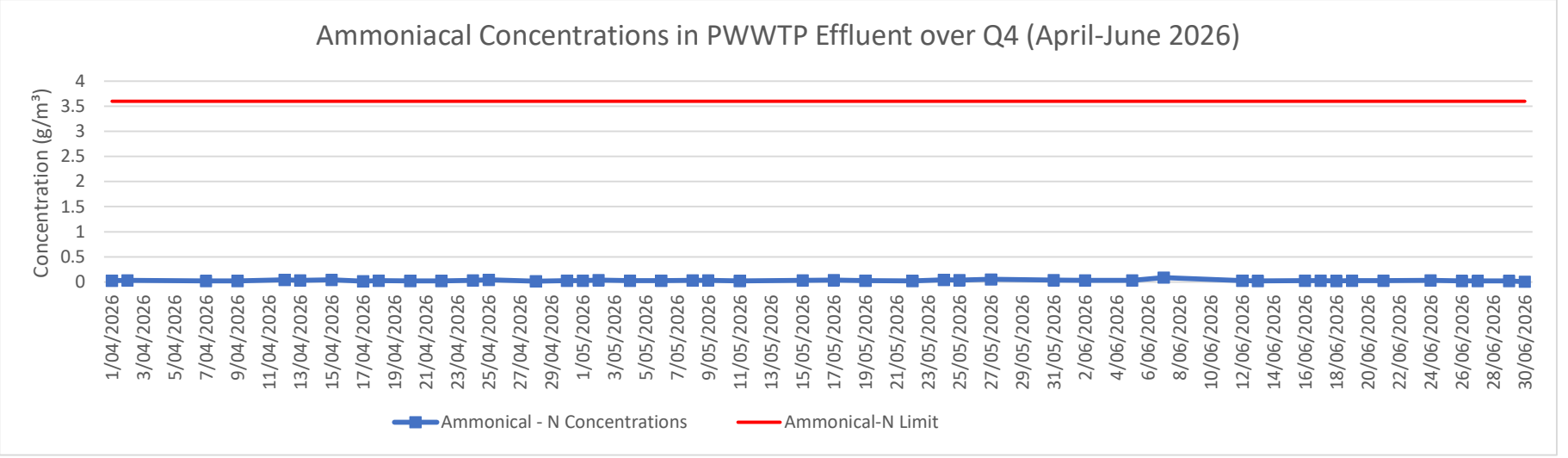
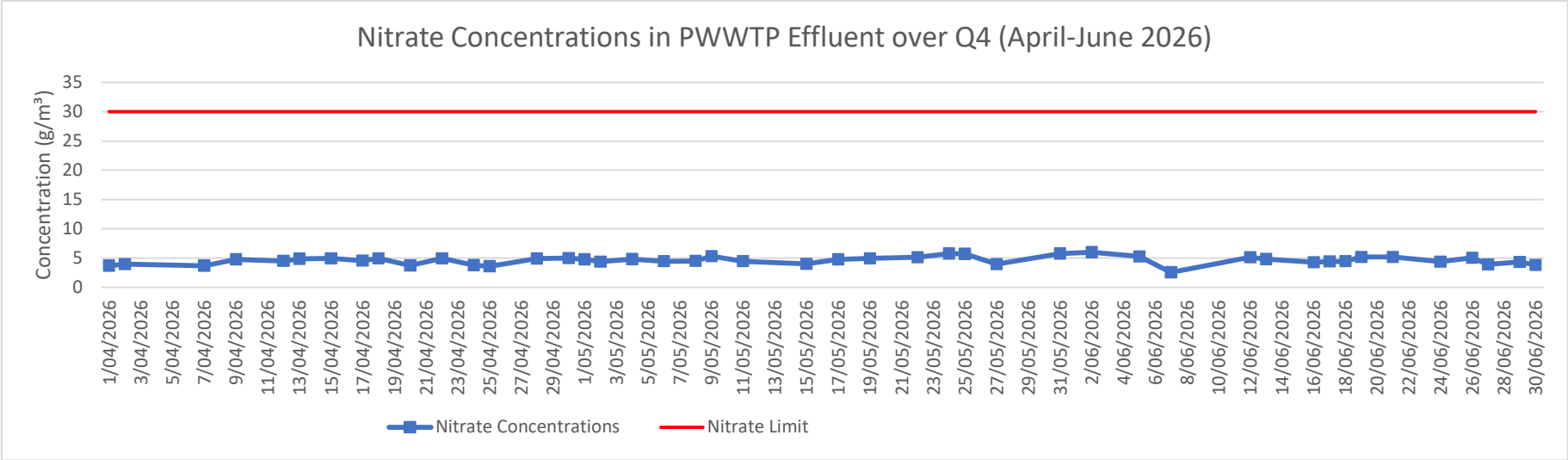


Faecal Coliform Levels in PWWTP Effluent over Q4 (April-June 2026)



pH of PWWTP Effluent over Q4 (April-June 2026)





Paraparaumu WWTP - Quarterly Air Report										Report Month: June 2026				
Current Calendar Q 2														
Quarter Start: 1/04/2026														
Quarter End: 30/06/2026														

	Boiler Combustion Chamber Temperature	Boiler Combustion Chamber Adjusted by 20%	Boiler Main Stack Exhaust Temperature	O2% before Scrubber	Scrubber Pressure In	Scrubber Pressure Out	Dryer Exhaust Fan Speed %	Dryer Exhaust Airflow Rate m3/hr	Biofilter Fan Speed %	Biofilter Fan Airflow Rate m3/hr	Biofilter Fan Loading Rate m3/m2/hr	Biofilter Odour Air Temperature	Biofilter Pressure	Biofilter Temperature
Date	°C	°C	°C	%	0	0	m/min	m3/m2/hr	%	m3/m	m3/m2/hr	°C	0	°C
1/04/2026	696.8	836.2	307.6	10.6	-1.0	-399.2	68.3	1331.7	65.0	1354.2	494.3	20.4	7.5	19.7
2/04/2026	693.8	832.6	309.1	10.6	-1.0	-398.5	67.5	1316.1	65.0	1354.2	494.3	20.3	7.4	19.5
3/04/2026	695.0	834.0	320.7	10.4	-1.0	-401.4	69.3	1351.4	65.0	1354.2	494.3	21.8	7.3	19.9
4/04/2026	696.8	836.1	321.4	10.3	-1.0	-400.8	69.8	1361.1	65.0	1354.2	494.3	24.6	7.3	22.4
5/04/2026	697.5	837.0	321.1	10.3	-1.0	-402.3	70.2	1369.3	65.0	1354.2	494.3	23.1	7.2	21.9
6/04/2026	687.7	825.2	324.0	10.4	-1.0	-404.6	70.9	1383.4	65.0	1354.2	494.3	23.3	7.1	22.2
7/04/2026	669.0	802.7	274.0	11.2	-1.0	-396.6	63.1	1232.2	65.0	1354.2	494.3	22.7	7.0	21.2
8/04/2026	659.2	791.1	255.2	11.4	-1.0	-391.9	60.3	1177.0	65.0	1354.2	494.3	24.4	7.7	21.2
9/04/2026	667.0	800.4	264.7	11.1	-1.0	-394.3	61.5	1201.0	65.0	1354.2	494.3	22.9	7.9	21.3
10/04/2026	678.6	814.3	273.9	10.9	-1.0	-396.7	63.0	1230.0	65.0	1354.2	494.3	21.5	7.8	21.6
11/04/2026	678.0	813.6	282.0	10.8	-1.0	-397.3	64.1	1250.9	65.0	1354.2	494.3	21.4	7.6	21.2
12/04/2026	682.5	819.0	287.1	10.5	-1.0	-396.3	65.0	1267.8	65.0	1354.2	494.3	23.5	8.7	20.9
13/04/2026	686.0	823.2	290.7	11.0	-1.0	-396.9	65.3	1274.2	65.0	1354.2	494.3	23.3	9.4	20.7
14/04/2026	693.6	832.3	291.7	11.3	-1.0	-395.9	64.8	1264.0	65.0	1354.2	494.3	22.1	9.3	20.8
15/04/2026	669.3	803.2	286.3	11.9	-1.0	-393.2	63.6	1242.0	65.0	1354.2	494.3	21.3	8.9	20.3
16/04/2026	666.0	799.2	288.1	11.9	-1.0	-394.5	64.1	1251.2	65.0	1354.2	494.3	23.0	8.9	20.6
17/04/2026	671.8	806.2	292.0	11.7	-1.0	-394.9	64.3	1255.1	65.0	1354.2	494.3	21.5	8.6	19.4
18/04/2026	678.7	814.5	295.8	11.4	-1.0	-394.8	64.9	1266.8	65.0	1354.2	494.3	22.6	10.8	18.5
19/04/2026	686.0	823.2	300.5	11.2	-1.0	-396.3	65.9	1285.7	65.0	1354.2	494.3	22.0	11.1	19.4
20/04/2026	502.3	602.8	181.6	16.9	-1.0	-355.5	40.4	792.5	65.0	1354.2	494.3	18.6	12.0	17.1
21/04/2026	91.2	109.4	34.5	20.1	-1.1	-333.9	19.9	392.9	65.0	1354.2	494.3	13.0	12.3	13.0
22/04/2026	21.9	26.3	16.4	19.9	-1.2	-341.2	11.5	228.4	65.0	1354.2	494.3	11.9	11.7	13.1
23/04/2026	323.7	388.4	161.7	14.8	-1.0	-387.1	44.4	869.5	65.0	1354.2	494.3	14.5	11.2	14.5
24/04/2026	668.4	802.1	246.6	12.3	-1.0	-388.5	54.6	1068.0	65.0	1354.2	494.3	15.6	10.6	15.3
25/04/2026	696.6	836.0	260.0	11.7	-1.0	-393.2	58.2	1137.8	65.0	1354.2	494.3	16.8	10.2	15.6
26/04/2026	714.6	857.5	267.6	11.0	-1.0	-393.7	59.4	1160.0	65.0	1354.2	494.3	20.0	10.0	17.6
27/04/2026	725.5	870.6	277.0	10.5	-1.0	-396.9	61.2	1194.8	65.0	1354.2	494.3	20.1	9.8	18.3
28/04/2026	723.3	867.9	280.3	10.5	-1.0	-397.4	61.2	1194.2	65.0	1354.2	494.3	18.9	9.8	17.9
29/04/2026	700.4	840.5	277.5	10.9	-1.0	-395.1	60.2	1176.2	65.0	1354.2	494.3	22.0	9.7	19.2
30/04/2026	702.3	842.8	284.0	10.9	-1.0	-399.1	61.3	1197.3	65.0	1354.2	494.3	19.8	9.8	18.3
1/05/2026	703.9	844.7	288.5	10.8	-1.0	-400.7	62.1	1211.6	65.0	1354.2	494.3	17.2	9.5	15.9
2/05/2026	693.4	832.0	281.4	10.9	-1.0	-390.3	58.7	1146.9	65.0	1354.2	494.3	18.0	9.3	15.7
3/05/2026	710.8	853.0	295.2	10.4	-1.0	-399.2	62.6	1223.0	65.0	1354.2	494.3	19.3	9.3	17.4
4/05/2026	713.1	855.7	296.7	10.3	-1.0	-396.5	62.0	1211.0	65.0	1354.2	494.3	21.2	9.3	18.0
5/05/2026	718.5	862.2	299.7	10.2	-1.0	-399.3	63.2	1234.6	65.0	1354.2	494.3	20.8	9.4	17.7
6/05/2026	722.2	866.6	300.7	10.1	-1.0	-398.6	63.5	1239.9	65.0	1354.2	494.3	22.4	9.3	19.6
7/05/2026	726.5	871.7	307.8	9.9	-1.0	-403.7	66.3	1294.4	65.0	1354.2	494.3	23.5	9.3	20.4
8/05/2026	722.7	867.2	271.5	10.4	-0.9	-396.7	60.8	1187.8	65.0	1354.2	494.3	23.9	9.7	20.2
9/05/2026	736.9	884.3	259.0	10.2	-1.0	-394.7	59.6	1163.7	65.0	1354.2	494.3	23.3	10.6	19.6
10/05/2026	737.9	885.4	271.8	10.1	-1.0	-395.7	62.3	1216.0	65.0	1354.2	494.3	21.9	10.2	19.4
11/05/2026	716.5	859.8	274.4	10.6	-1.0	-403.1	62.5	1219.6	65.0	1354.2	494.3	16.1	9.9	15.3
12/05/2026	705.9	847.0	281.4	10.5	-1.0	-405.3	64.1	1250.5	65.0	1354.2	494.3	16.4	9.7	14.5
13/05/2026	706.0	847.2	285.2	10.6	-1.0	-404.8	64.2	1253.6	65.0	1354.2	494.3	18.0	9.8	15.8
14/05/2026	700.7	840.8	290.6	10.6	-1.0	-405.7	65.3	1274.0	65.0	1354.2	494.3	19.0	9.7	16.9
15/05/2026	706.1	847.3	297.6	10.4	-1.0	-408.8	66.4	1295.8	65.0	1354.2	494.3	16.6	9.7	15.4
16/05/2026	708.6	850.4	302.9	10.3	-1.0	-409.1	67.0	1306.7	65.0	1354.2	494.3	18.7	9.7	16.4
17/05/2026	704.8	845.8	308.8	10.2	-1.0	-410.2	68.1	1329.4	65.0	1354.2	494.3	19.2	9.5	16.9
18/05/2026	703.6	844.3	313.0	10.1	-1.0	-411.6	69.0	1346.7	65.0	1354.2	494.3	17.5	9.4	16.0
19/05/2026	700.9	841.1	316.2	10.1	-1.0	-412.8	69.8	1361.7	65.0	1354.2	494.3	15.8	9.5	14.8
20/05/2026	709.1	850.9	323.7	9.8	-1.0	-416.5	72.1	1404.9	65.0	1354.2	494.3	16.5	9.4	14.8
21/05/2026	715.6	856.7	282.9	10.0	-1.0	-409.0	68.0	1286.6	65.0	1354.2	494.3	20.1	9.3	17.3
22/05/2026	731.8	878.2	274.6	10.3	-1.0	-407.9	65.1	1269.7	65.0	1354.2	494.3	19.9	9.4	17.9
23/05/2026	698.4	838.1	271.4	11.8	-1.0	-402.3	62.4	1218.5	65.0	1354.2	494.3	19.8	9.4	17.2
24/05/2026	578.8	694.5	194.0	15.6	-0.2	-376.4	44.7	875.8	65.0	1354.2	494.3	17.3	9.5	16.7
25/05/2026	150.8	181.0	45.2	20.2	-1.0	-331.2	10.3	204.0	65.0	1354.2	494.3	13.7	9.5	15.2
26/05/2026	107.0	128.4	20.9	20.3	-1.0	-325.7	0.0	0.0	65.0	1354.2	494.3	15.3	9.5	17.2
27/05/2026	107.0	128.4	14.1	20.3	-1.0	-326.3	0.0	0.0	65.0	1354.2	494.3	12.6	9.4	15.2
28/05/2026	107.0	128.4	16.8	20.3	-1.0	-325.3	0.0	0.0	65.0	1354.2	494.3	14.2	9.4	16.8
29/05/2026	56.6	67.9	20.1	19.9	-1.0	-334.4	7.9	157.4	65.0	1354.2	494.3	12.7	9.4	15.1
30/05/2026	210.7	252.8	99.1	17.0	-1.0	-371.5	34.8	682.7	65.0	1354.2	494.3	13.6	9.3	14.6
31/05/2026	729.9	875.9	232.9	13.3	-1.0	-407.7	58.2	1136.7	65.0	1354.2	494.3	21.4	9.1	19.5
1/06/2026	732.0	878.4	244.8	12.9	-1.0	-408.1	60.1	1173.2	65.0	1354.2	494.3	22.9	9.1	20.6
2/06/2026	731.6	877.9	258.5	12.4	-1.0	-411.8	63.0	1228.9	65.0	1354.2	494.3	21.9	10.1	19.4
3/06/2026	731.6	877.9	265.0	12.1	-1.0	-412.4	63.7	1243.1	65.0	1354.2	494.3	18.9	10.3	18.5
4/06/2026	731.6	877.9	273.1	11.8	-1.0	-413.9	65.1	1270.7	65.0	1354.2	494.3	18.9	10.3	17.2
5/06/2026	743.9	892.7	279.1	11.4	-1.6	-412.1	65.5	1277.3	65.0	1354.2	494.3	21.9	12.7	18.2
6/06/2026	739.6	887.5	280.3	11.4	-2.0	-411.5	65.6	1279.6	65.0	1354.2	494.3	20.4	13.1	17.7
7/06/2026	728.0	873.6	284.8	11.4	-2.0	-415.4	66.8	1302.6	65.0	1354.2	494.3	18.5	11.3	17.0
8/06/2026	721.1	865.3	285.8	11.3	-2.0	-414.1	66.4	1295.7	65.0	1354.2	494.3	19.1	10.8	16.7
9/06/2026	739.9	887.8	292.8	11.2	-2.0	-419.5	68.1	1328.1	65.0	1354.2	494.3	17.1	11.0	14.3
10/06/2026	748.1	897.7	298.2	11.0	-2.0	-424.5	69.5	1354.8	65.0	1354.2				