

Western Wastewater Treatment Plant

July - September 2025

Quarterly Resource Consents Report

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Control Sheet

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Executive Summary

The following report was prepared by Veolia on behalf of the Wellington City Council (WCC) for the Greater Wellington Regional Council (GWRC). This report includes results and observations that satisfy the reporting requirements of the following Western Wastewater Treatment Plant (WWTP) resource consents:

Discharge of Fully Treated Effluent to Coastal Marine Area - WGN060283 [37892]

Effluent discharge from the Western WWTP is governed by the resource consent under the Greater Wellington Regional Council consent file number WGN060283 [37892]. In general, the consent allows the continuous discharge disinfected secondary (fully treated) effluent to the Wellington South Coast coastal marine area (Cook Strait in the vicinity of the Karori Stream Mouth) via an existing outfall. The table below sets out a brief overview of the plant's compliance with the consent conditions:

Discharge of Fully Treated Effluent to Coastal Marine Area - WGN060283 [37892]		
Resource Consent Condition		Compliant / Non-Compliant / Not Applicable
Location - Condition 1		Compliant
Discharge Limit - Condition 2		Compliant
Monitoring of flow rate and volume - Condition 6		Non-compliant
Effluent Quality - Condition 9		Compliant
Effluent Quality Criteria - Condition 10	Carbonaceous Biochemical Oxygen Demand (cBOD ₅) - (10 i)	Compliant
	Suspended Solids - (10 ii)	Compliant
	Faecal Coliforms - (10 iii)	Compliant
Notifications when Effluent Quality is Non-Compliant - Condition 11		Compliant
Conspicuous Discharges - Condition 13		Compliant
Discharge shall not render seafood inedible - Condition 14		Compliant
Assessment of Receiving Waters - Condition 15		Compliant
Sampling from November - March - Condition 16		Not applicable
Quarterly Monitoring Report - Condition 19		Compliant
Analysis of Karori Stream Water Samples - Condition 25		Compliant

Tables 1 WGN060283 [37892] Resource Consent Condition Compliance

Occasional Discharges to the Coastal Marine Area - WGN060283 [25227]

The discharge from the Western WWTP is governed by another resource consent under the Greater Wellington Regional Council consent file number WGN060283 [25227]. In general, the consent allows the occasional discharge of milli-screened (partially treated) effluent to the Wellington South Coast coastal marine area via an existing outfall during significant wet weather events. The table below sets out a brief overview of the plant's compliance with the consent conditions:

Resource Consent Condition		Compliant / Non-Compliant / Not Applicable
Operational Conditions - Condition 2		Compliant
Information Required in Bypass Discharge Reports - Condition 5		Compliant
Rainfall Recorded Prior to Overflow Events - Condition 6		Not applicable
Analysis of Authorised Discharge Effluent - Condition 7		Non-compliant
Sampling Requirements when Discharges longer than 10 hours - Condition 8		Non-compliant
Complaints - Condition 13		Compliant

Table 2 WGN060283[25227] Resource Consent Condition Compliance

Occasional discharges of Waste Water to Karoriri Stream - WGN060283 [35674]

The discharge from the Western WWTP is governed by another resource consent under the Greater Wellington Regional Council consent file number WGN060283 [35674]. In general, the consent allows the occasional discharge of secondary treated and disinfected wastewater from the Western WWTP to Karori Stream during events when the stormwater tank is full and the flow to the plant exceeds 190L/s. The table below sets out a brief overview of the plant's compliance with the consent conditions:

Resource Consent Condition	Compliant / Non-Compliant / Not Applicable
Operational Conditions - Condition 2	Compliant
Inflows to be recorded and provided upon request - Condition 3	Not Applicable
Information Required in Bypass Discharge Report - Condition 6	Compliant
Rainfall Recorded Prior to Discharge - Condition 7	Not Applicable
Analysis of Authorised Discharge Effluent - Condition 8	Non-compliant
Analysis of Authorised Discharge Effluent - Condition 9	Not Applicable
Complaints - Condition 16	Not Applicable

Table 3: WGN060283 [35674] Resource Consent Condition Compliance

Occasional discharges to Karoriri Stream - WGN060283 [35675]

The discharge from the Western WWTP is governed by another resource consent under the Greater Wellington Regional Council consent file number WGN060283 [35675]. In general, the consent allows for the occasional discharge of milli-screened and settled wastewater from the Western WWTP to Karori stream during events when the stormwater tank is full and the flow to the plant exceeds 390L/s. As inflows did not exceed 390 l/s during the reporting period, none of the conditions were applicable in this reporting period.

Resource Consent Condition	Compliant / Non-Compliant / Not Applicable
Operational Conditions - Condition 2	Not Applicable
Inflows to be recorded and provided upon request - Condition 3	Not Applicable
Information Required in Bypass Discharge Report - Condition 5	Not Applicable
Rainfall Recorded Prior to Discharge - Condition 6	Not Applicable
Analysis of Authorised Discharge Effluent - Condition 7	Not Applicable
Analysis of Authorised Discharge Effluent - Condition 8	Not Applicable
Complaints - Condition 13	Not Applicable

Table 4: WGN060283 [35675] Resource Consent Condition Compliance

Discharge to Air - WGN060283 [25230]

The resource consent that governs the air discharge from the Western WWTP is under the Greater Wellington Regional Council consent file number WGN060283 [25230]. In general, the consent allows the discharge of contaminants to air from the operation of the Western WWTP. The table below sets out a brief overview of the plant's compliance with the consent conditions:

Resource Consent Condition	Compliant / Non-Compliant / Not Applicable
Monitoring of Air Quality - Condition 3	Compliant
Monitoring of Biofilter - Condition 4	Compliant
Complaints - Condition 10	Compliant

Table 5: WGN060283 [25230] Resource Consent Compliance

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WGN060283 [37892] - Continuous discharge of fully treated effluent to coastal marine area

Location - Condition 1

The location and nature of the discharge shall be in accordance with the consent application and its associated plans and documents lodged with the Wellington Regional Council on 30 March 2006, and additional information received on:
29 June 2006, 5 December 2014, 15 January 2015 and 12 November 2015 (change of consent conditions application), 2 February 2018 (change of conditions application), 13 October 2021 (change of conditions application) and 16 March 2022 (email from applicant confirming agreement to alternative wording).

Condition met.

Discharge limit - Condition 2

The rate of discharge shall not exceed 200 litres per second (L/s) or 17,280 cubic metres per day (m³/day).

Condition met. The limits from this condition have been added to WGN060283 [37892] Condition (6) (below).

Monitoring of flow rate and volume - Condition 6

The permit holder shall continuously monitor and record:
(i) - the flow rate and volume of treated wastewater entering the outfall pipeline and
(ii) - the flow rate and volume of the wastewater discharged to the South Coast to the satisfaction of the Wellington Regional Council.

A summary of the records listing
(iii) the daily discharge volumes and
(iv) the minimum,
(v) average and
(vi) maximum monthly volumes shall be forwarded to the Manager, Environmental Regulation, Wellington Regional Council at quarterly intervals in accordance with condition (19) of this permit.

Condition **not met** as explained below.

Flow data required under Condition 6 (i) and (ii) is provided in Appendix i (in tables 18 and 19) along with volume data for the reporting period.

Below (tables 6 and 7) set summarises volumes from the treatment plant and at the discharge as required under Condition 6 (iii - vi) along with a summary of flow data. This includes the average daily flow rate, maximum daily flow and monthly average total daily discharge.

Month	Average Daily Flow	Maximum Daily Flow	Average Monthly Volume	Minimum Monthly Volume	Maximum Monthly Volume
	L/s		m ³ /day		
July 2025	66	183	5678	3203	12497
August 2025	56	193	4874	3150	9735
September 2025	53	200	4608	2704	13507

Table 6: Monthly Treatment Plant Effluent Flow

Below (table 7) is a summary of the effluent pipeline monthly average total daily discharge, average daily flow rate, minimum daily flow, and maximum daily flow. **However, as this data is incomplete, this condition is non-compliant.**

Monitoring requirements of condition 6 were met for the southern coast pipeline discharge up until the 23rd September when telemetry was lost for the remainder of the reporting period and into the following quarter. Investigations and repairs are in progress. The isolated location of the site

presents communications connectivity issues that are impacting ability to continuously monitor and record flows. Veolia is currently investigating the root cause of these issues to resolve this issue as soon as possible.

Daily data can be found in Table 19, Appendix i.

Month	Average Daily Flow	Maximum Daily Flow	Average Monthly Volume	Minimum Monthly Volume	Maximum Monthly Volume
	L/s		m ³ /day		
July 2025	65	147	5628	3661	10973
August 2025	59	142	5058	3806	9680
September 2025 ¹	67	121	5810	3264	10454

Table 7: Monthly Effluent Pipeline Flow

Please note that the discharge limit specified in WGN060283 [37892], Condition (2) applies to the discharge from the effluent pipeline to the coastal marine area, not the discharge from the WWTP.

Effluent Quality - Condition 9

- a. The permit holder shall take a daily 24-hour flow-proportional composite sample of the treated wastewater discharged from the treatment plant to the South Coast. This sample shall be analysed for total suspended solids and 5-day biochemical oxygen demand (BOD5).
- b. The permit holder shall daily between the hours of 9:00 am and 5:00 pm, obtain a representative grab sample of the treated wastewater discharged from the treatment plant to the South Coast. This sample shall be analysed for faecal coliforms.
- c. The results of monitoring undertaken in accordance with conditions (9)(a) and (9)(b) of this permit shall be forwarded to the Manager, Environmental Regulation, Wellington Regional Council on a quarterly basis, in accordance with condition (19) of this permit.

Condition met.

Samples were taken each day throughout the reporting period. The effluent BOD5 and suspended solids results from daily representative 24-hour flow-proportional composite samples can be found below under resource consent WGN060283 [37892] Condition 10 i) and ii). The effluent faecal coliform results from the daily representative grab samples can be found under resource consent WGN060283 [37892] Condition 10 iii).

¹ Telemetry was lost part way through this month, so results may be invalid.

Effluent Quality Criteria - Condition 10

The wastewater discharged from the Western Wastewater Treatment Plan to the South Coast shall comply with the following effluent quality criteria:

i. BOD5

The geometric mean of any 90 consecutive daily sample results shall not exceed 20 g/m³ and no more than 18 sample results in any 90-day period (or 15 consecutive sample results in any 90-day period) shall exceed 50 g/m³.

ii. Suspended solids

The geometric mean of any 90 consecutive daily sample results shall not exceed 30 g/m³ and no more than 18 sample results in any 90-day period (or 15 consecutive sample results in any 90-day period) shall exceed 80 g/m³.

iii. Faecal Coliforms

The geometric mean of any 90 consecutive daily sample results shall not exceed 200 colony forming units per 100 ml and no more than 18 sample results in any 90-day period (or 15 consecutive sample results in any 90-day period) shall exceed 2,000 colony forming units per 100ml.

Compliance with the effluent quality criteria shall be determined from the results of wastewater monitoring undertaken in accordance with conditions (9) (a) and (9) (b) of this permit.

Condition met.

All effluent quality parameters were compliant with the relevant conditions throughout the reporting period.

The effluent BOD5 and suspended solids results from daily representative 24-hour flow-proportional composite samples can be found below under resource consent WGN060283 [37892] Condition 10 i) and ii). The effluent faecal coliform results from the daily representative grab samples can be found under resource consent WGN060283 [37892] Condition 10 iii).

i) 5-Day Biochemical Oxygen Demand

The following is a summary of the daily results, 90-day geometric mean, and 90-day 80th percentile for the 5-day biochemical oxygen demand.

Day	July 2025			August 2025			September 2025		
	Daily Results	90-Day Geometric Mean	90-Day 80th Percentile	Daily Results	90-Day Geometric Mean	90-Day 80th Percentile	Daily Results	90-Day Geometric Mean	90-Day 80th Percentile
	g/m ³	g/m ³	g/m ³	g/m ³	g/m ³	g/m ³	g/m ³	g/m ³	g/m ³
1	20	15	20	9	15	20	15	17	20
2	11	15	20	20	15	20	17	17	20
3	17	15	20	20	15	20	14	17	20
4	22	15	21	19	15	20	19	17	20
5	16	15	21	18	15	20	9	17	20
6	12	15	21	15	16	20	17	17	20
7	13	15	21	19	16	20	14	17	20
8	7	15	21	94	16	20	16	17	20
9	15	15	21	17	16	20	10	17	20
10	12	15	21	16	16	20	14	17	20
11	16	15	21	20	16	20	18	17	20
12	14	15	21	15	16	20	18	17	20
13	14	16	21	10	16	20	11	17	20
14	14	16	21	11	16	20	20	17	20
15	16	16	22	10	16	20	13	17	20
16	15	16	22	11	16	20	65	17	20
17	14	16	22	15	16	20	19	17	20
18	12	16	22	22	17	20	20	17	20
19	13	16	22	72	17	20	21	17	20
20	19	16	22	17	17	20	17	17	20
21	19	16	22	11	17	20	12	17	20
22	21	16	22	10	17	20	20	17	20
23	16	16	22	12	17	20	18	17	20
24	18	16	21	12	17	20	18	17	20
25	19	16	21	21	17	20	8	17	20
26	19	16	21	10	17	20	7	16	20
27	22	16	21	68	17	20	9	16	20
28	20	16	21	17	17	20	14	16	20
29	16	16	21	17	17	20	12	16	20
30	21	16	21	8	17	20	17	16	20
31	18	16	21	204	17	20			
Limits	N/A	20	50	N/A	20	50	N/A	20	50

Table 8: 5-Day Biochemical Oxygen Demand Results, Geometric Mean, and 80th Percentile

Please note that analytical results highlighted in amber are above the 20g/m³ geometric mean limit. Analytical results highlighted in red are above the 50g/m³ 80th percentile compliance limit.

ii) Suspended Solids

The following is a summary of the daily results, 90-day geometric mean, and 90-day 80th percentile for the suspended solids.

Day	July 2025			August 2025			September 2025		
	Daily Results	90-Day Geometric Mean	90-Day 80th Percentile	Daily Results	90-Day Geometric Mean	90-Day 80th Percentile	Daily Results	90-Day Geometric Mean	90-Day 80th Percentile
	g/m ³	g/m ³	g/m ³	g/m ³	g/m ³	g/m ³	g/m ³	g/m ³	g/m ³
1	6	11	17	13	11	16	9	12	17
2	8	11	17	12	11	16	7	12	17
3	10	11	17	9	11	16	25	12	17
4	25	11	17	15	11	16	7	12	17
5	20	11	16	10	11	16	11	12	17
6	15	11	16	20	11	16	10	12	17
7	12	11	16	22	11	17	12	12	17
8	13	11	16	167	11	17	10	12	17
9	6	11	16	11	11	17	7	12	17
10	6	11	16	11	11	17	8	12	17
11	6	11	15	6	11	17	10	12	17
12	6	11	16	6	11	17	21	12	17
13	6	11	16	7	11	17	9	12	17
14	6	11	17	8	11	17	6	12	17
15	10	11	17	10	11	17	12	12	17
16	7	12	18	6	11	17	11	12	17
17	11	12	18	16	11	17	19	12	17
18	16	12	18	43	11	17	28	12	17
19	6	11	18	77	12	17	15	13	17
20	10	11	17	13	11	17	16	13	17
21	12	11	16	12	11	17	13	13	17
22	17	11	15	6	11	17	20	13	18
23	18	11	15	13	12	17	15	13	18
24	17	11	15	10	12	17	13	13	18
25	25	11	14	10	12	17	15	13	17
26	18	11	14	10	11	17	6	13	17
27	17	11	14	125	11	17	10	13	17
28	16	11	14	15	12	17	12	13	17
29	14	11	14	17	12	17	8	13	17
30	25	11	14	8	12	17	23	13	18
31	10	11	14	197	12	18			
Limits	N/A	30	80	N/A	30	80	N/A	30	80

Table 9: Suspended Solids Results, Geometric Mean, and 80th Percentile

Please note that analytical results highlighted in amber are above the 30g/m³ geometric mean limit. Analytical results highlighted in red are above the 80g/m³ 80th percentile compliance limit.

iii) Faecal Coliforms

The following is a summary of the daily results, 90-day geometric mean, and 90-day 80th percentile for faecal coliforms.

Day	July 2025			August 2025			September 2025		
	Daily Results	90-Day Geometric Mean	90-Day 80th Percentile	Daily Results	90-Day Geometric Mean	90-Day 80th Percentile	Daily Results	90-Day Geometric Mean	90-Day 80th Percentile
	cfu/100mL	cfu/100mL	cfu/100mL	cfu/100mL	cfu/100mL	cfu/100mL	cfu/100mL	cfu/100mL	cfu/100mL
1	10	16	14	10	14	10	10	14	11
2	10	15	14	63	14	10	10	14	11
3	17	15	14	10	14	10	10	14	10
4	10	15	14	10	14	10	10	14	10
5	4800	16	14	17	14	11	20	14	10
6	6000	17	14	10	14	10	10	14	10
7	10	17	14	14	14	10	10	14	10
8	10	17	14	10	14	10	17	14	11
9	10	17	14	10	14	10	10	14	11
10	10	17	14	14	14	11	10	14	10
11	10	17	14	10	14	11	14	14	11
12	2683	18	14	14	14	11	10	14	11
13	10	17	14	10	14	11	10	14	11
14	10	17	14	10	14	11	10	14	10
15	10	17	14	10	14	11	10	14	10
16	10	17	14	10	14	11	14	14	11
17	10	17	14	10	14	11	10	14	11
18	14	17	14	10	14	11	20	14	14
19	17	17	14	10	14	11	10	14	14
20	10	15	14	45	14	14	10	14	14
21	10	15	14	10	14	14	10	14	14
22	10	15	14	10	14	14	32	14	14
23	10	15	14	10	14	14	164	15	14
24	10	15	14	10	14	14	10	15	14
25	10	15	14	10	14	14	14	15	14
26	10	15	11	10	14	14	14	15	14
27	10	15	11	10	14	11	10	15	14
28	10	15	11	47	14	14	10	15	14
29	10	15	11	10	14	14	10	15	14
30	10	14	10	10	14	11	10	15	14
31	35	14	11	10	14	11			
Limits	N/A	200	2000	N/A	200	2000	N/A	200	2000

Table 10: Faecal Coliforms Results, Geometric Mean, and 80th Percentile

Notifications when Effluent Quality is Non-Compliant - Condition 11

The permit holder shall report to the Manager, Environmental Regulation, Wellington Regional Council, immediately in the event that a geometric mean and/or 95 percentile effluent quality value calculated at the end of each calendar month exceeds the criteria stipulated in condition 10 of this permit. Such a report shall include the likely reason for exceedance, and measures to be undertaken by the permit holder to remedy the situation. The permit holder shall also immediately notify the Medical Officer of Health of any such event.

Condition met - Western WWTP was compliant throughout the reporting period.

Conspicuous Discharges - Condition 13

The discharge shall not result in any of the following effects beyond a 50 metre radius of the discharge point:

- a. The production of any conspicuous oil or grease films, scums or foams suspended material;
- b. Any conspicuous change in colour or visual clarity;
- c. Any emission of objectionable odour; or
- d. Any significant adverse effect on aquatic life.

Condition met - Please see the Western Treatment Plant Coastal Outfall Analysis and Observations report in Appendix ii: Outfall Inspection Reports.

Discharge shall not render seafood inedible - Condition 14

The discharge shall not result in any of the following effects beyond a 100 metre radius of the discharge point:

- a. The rendering of seafood's inedible by virtue of concentration of toxic substances; or
- b. The rendering of seafood's inedible by virtue of concentration of microorganisms.

Condition met - Inspections were conducted once a month during the reporting period. None of the effects listed in the condition above were reported. Please see the Western Treatment Plant Coastal Outfall Analysis and Observations report in Appendix ii: Outfall Inspection Reports.

Assessment of Receiving Waters - Condition 15

The permit holder shall make a qualitative assessment (visual and olfactory) of the receiving waters beyond the mixing zone at least once each month to assess compliance with condition (13) of this permit, and make the results available to the Manager, Environmental Regulation, Wellington Regional Council, at three monthly intervals (in accordance with the requirements of condition (19) of this permit) or on request.

Condition met - The results of inspections can be found in the Western Treatment Plant Coastal Outfall Analysis and Observations report in Appendix ii: Outfall Inspection Reports.

Sampling from November - March - Condition 16

The permit holder shall collect representative coastal water samples from knee deep water at the following locations, once each month for five months through November to March inclusive (the bathing season) each year, for the duration of this permit:

- a. 100m SE of the outfall (map reference NZMS 260: R27; 504.835)
- b. 200m SE of the outfall (map reference NZMS 260: R27; 504.834)
- c. The Karori Stream, above the tidal influence
- d. 100m NW of the mouth of the Karori Stream

Sampling shall be undertaken during dry, settled weather where practicable. Each of the water samples shall be analysed for faecal coliform and enterococci bacteria (cfu/100mL). The time of the sample collection, together with the weather and tidal conditions, observations of the sea state, stream colour and location of stream mouth (if at all) shall be recorded and reported with the analytical results.

Water samples taken during the months of January to March inclusive, shall also be analysed for the following parameters:

Ammoniacal nitrogen	g/m ³
Nitrite nitrogen	g/m ³
Nitrate nitrogen	g/m ³
Dissolved reactive phosphorus	g/m ³

The permit holder shall provide the results to the Manager, Environmental Regulation, Regional Council, by 30 April each year (as part of the quarterly report required by condition (19) of this permit), or on request.

Not applicable in the reporting period.

Quarterly Monitoring Report - Condition 19

A quarterly monitoring report for each three-month period ending 31 March, 30 June, 30 September and 31 December shall be provided to the Manager, Environmental Regulation, Wellington Regional Council within 30 days of the end of each three month period.

The quarterly report shall include, but not be limited to, the following:

The results of all monitoring undertaken, as required by conditions (6), (9)(a), (9)(b) and (25) of this permit. These results shall be provided in an electronic format and a hard-copy format; an assessment of compliance with conditions (6), (9)(a), (9)(b) and (15) of this permit; and reasons for any non-compliance and subsequent actions undertaken to remedy any non-compliance.

This condition is met by providing this report.

All monitoring performed at the Western WWTP has been provided in the previous sections of this report under the applicable resource consent conditions.

Analysis of Karori Stream Water Samples - Condition 25

The permit holder shall collect representative water samples from the Karori Stream at the following locations, once every fortnight for the duration of this permit:

- a. Karori Stream at Friend Street (map reference NZMS 260: R27; 554.901)
- b. Karori Stream at Campbell Street (map reference NZMS 260: R27; 554.900)
- c. Karori Stream at South Karori Road (map reference NZMS 260: R27; 540.880)
- d. Karori Stream approximately 100 metres upstream of the Western Treatment Plant (map reference NZMS 260: R27; 523.872)
- e. Karori Stream 100 metres approximately downstream of the Western Treatment Plant (map reference NZMS 260: R27; 523.871)

The water samples shall be analysed for faecal coliforms (cfu/100mL). The time of the sample collection, together with the weather conditions shall be recorded and reported with the analytical results.

The permit holder shall provide the results of this monitoring to the Manager, Environmental Regulation, Wellington Regional Council, quarterly, in accordance with the requirements of condition (19) of this permit, or on request.

Condition met - the following is a summary of the samples collected at the 5 locations during the reporting period.

Site Name Address	Sample Date	Sample Time	Faecal Coliform	Rain in last 24 hour	Weather
	dd/mm/yy	hh:mm	cfu/100mL		
Karori Stream Campbell Street Bridge	10/07	09:15	6000	Y	Overcast
	26/07	06:23	1500	N	Clear
	07/08	06:25	1300	N	Clear
	21/08	06:24	6000	Y	Overcast
	03/09	12:05	210	Y	Cloudy
	19/09	06:24	6000	Y	Overcast
Karori Stream Friend Street	10/07	09:18	5600	Y	Overcast
	26/07	06:27	2400	N	Clear
	07/08	06:22	400	N	Clear
	21/08	06:20	>6000	Y	Overcast
	03/09	12:10	2600	Y	Cloudy
	19/09	06:20	6000	Y	Overcast
Karori Stream 100m Downstream of WWTP	10/07	06:59	350	Y	Overcast
	26/07	06:48	30	N	Clear
	07/08	06:50	80	N	Clear
	21/08	06:52	290	Y	Overcast
	03/09	11:40	100	Y	Cloudy
	19/09	06:53	130	Y	Overcast
Karori Stream 100m Upstream of WWTP	10/07	08:55	250	Y	Overcast
	26/07	06:54	80	N	Clear
	07/08	06:44	100	N	Clear
	21/08	06:48	230	Y	Overcast
	03/09	11:45	30	Y	Cloudy
	19/09	06:48	180	Y	Overcast
South Karori Road	10/07	09:08	900	Y	Overcast
	26/07	06:35	240	N	Clear
	07/08	06:38	70	N	Clear
	21/08	06:36	3200	Y	Overcast
	03/09	11:58	1600	Y	Cloudy
	19/09	06:39	900	Y	Overcast

Table 12: Karori Stream Sample Data

WGN060283 [25227] - To occasionally discharge milli-screened (partially treated) effluent to the Wellington South Coast coastal marine area (Cook Strait in the vicinity of the Karori Stream Mouth) via an existing outfall during significant wet weather events.

There were two consented discharges during the period; 4 July and 12 July.

Operational Conditions - Condition 2

This permit shall only be exercised when the sewage inflow to the treatment plant exceeds 190 litres per second (L/s), and the 1000 m³ storage tank is full.

Condition met.

Information Required in Bypass Discharge Reports - Condition 5

The permit holder shall monitor and record the time, flow rate, duration and total volume of the bypass discharges into the coastal marine area, and shall report the results to the Manager, Environmental Regulation, Wellington Regional Council, within 10 working days of the overflow event occurring.

The permit holder shall maintain an incident log containing the details of each bypass discharge and make it available to the public or the Manager, Environmental Regulation, Wellington Regional Council upon request.

Condition met. Discharge notifications were issued for the two events referred above.

Date	Duration	Inlet		Discharge		Discharge Volume	Consented	Cause	Action
		Average flow	Peak Flow	Average flow	Peak flow				
	hh:mm	L/s		m3/s		m3	Y/N		
4/07/2025	17:34:00	200	225	36	199	2255	Y	Result of high rain event when the stormwater tank is full and the flow to the plant exceeds 190 L/s.	Plant operated at full treatment capacity and storm tank utilised.
12/07/2025	0:37	199	225	5.4	11	12	Y		

Rainfall Recorded Prior to Overflow Events - Condition 6

The permit holder shall submit to the Manager, Environmental Regulation, Wellington Regional Council the amount of rainfall recorded in each hour at Karori Reservoir rain-gauge for each of the 7 days preceding each overflow event in the annual report required by condition (10) of this permit.

Not applicable

Analysis of Authorised Discharge Effluent - Condition 7

The permit holder shall take one representative grab sample of the settled, milli-screened effluent prior to its entry into the coastal outfall pipe every time the discharge authorised by this permit has occurred for more than two hours. Each sample shall be analysed for the following parameters:

pH	
Suspended solids	g/m ³
Total BOD5	g/m ³
Faecal coliform bacteria	cfu/100mL
oils/grease	g/m ³

The results of the monitoring shall be forwarded to the Manager, Environmental Regulation, Wellington Regional Council within 10 working days of the bypass discharge occurring.



Submission reference Western Bypass

Client Sample Code	Western Upstream Grab	Western Effluent Post UV Grab	Western Storm tank Grab
Sample Reference	Western Upstream Grab	Western Effluent Post UV Grab	Western Storm tank Grab
Sample Description	Surface water	Waste water	Waste water
	WST_UPSTREAM_G_D:	WST_EFF_G_D	
Sampling Point	Western Upstream Grab	:Western Effluent Grab and Western Post UV Grab	WST_STORMTANK_G_D:Stormtank Grab
Product Type	Surface Water	Surface Water	Surface Water
Sampled Datetime	05/07/2025 8:15:00 AM	05/07/2025 8:05:00 AM	05/07/2025 8:00:00 AM
D : Sampler Name	Marty	Marty	Marty

Parameter Name	Units	Specification	812-2025-00110929	812-2025-00110930	812-2025-00110931
Biochemical Oxygen Demand	mg/l	<6	12	14	
Oil & Grease	mg/l			<4	
pH (Tested beyond 15 minute APHA holding time)				6.8	
Suspended Solids	mg/l	<6	15	18	
Ammonia Nitrogen	mg/l	<0.01	<0.01		
Enumeration of Faecal Coliforms by Membrane Filtra	cfu/100 ml	> 6000	5200		
Enumeration of Faecal Coliforms by Membrane Filtra	cfu/100 ml				240000

Disclaimer

-This excel report is provided for the convenience and analysis by customers.
Only the results of the original Analytical Report are authorised.

Submission reference Western Bypass

Client Sample Code	Western Upstream Grab	Western Effluent Post UV Grab	Western Storm tank Grab
Sample Reference	Western Upstream Grab	Western Effluent Post UV Grab	Western Storm tank Grab
Sample Description	Surface water	Waste water WST_EFF_G_D	Waste water
Sampling Point	WST_UPSTREAM_G_D: Western Upstream Grab	:Western Effluent Grab and Western Post UV Grab	WST_STORMTANK_G_D:Stormtank Grab
Product Type	Surface Water	Surface Water	Surface Water
Sampled Datetime	12/07/2025 13:05:00	12/07/2025 12:55:00	12/07/2025 12:50:00
D : Sampler Name	Marty	Marty	Marty

Parameter Name	Units	Specification	812-2025-00115392	812-2025-00115393	812-2025-00115394
Biochemical Oxygen Demar	mg/l		<6	7	6
Oil & Grease	mg/l				<4
pH (Tested beyond 15 minute APHA holding time)					6.8
Suspended Solids	mg/l		12	<6	13
Ammonia Nitrogen	mg/l		<0.1	9.61	
Enumeration of Faecal Coli	cfu/100 ml		900	1100	
Enumeration of Faecal Coli	cfu/100 ml				55000

Non compliant as results (above) were not supplied within 10 days of discharge occurring.

Note this condition doesn't apply for the second discharge event which was for less than two hours.

Sampling Requirements when Discharges longer than 10 hours - Condition 8

When a bypass discharge occurs that lasts for longer than 10 hours the permit holder shall collect two sets of representative water samples from knee deep water at the following locations:

- 100m SE of the outfall (map reference NZMS 260: R27; 504.835)
- 200m SE of the outfall (map reference NZMS 260: R27; 504.834)
- The Karori Stream, above the tidal influence
- 100m NW of the mouth of the Karori Stream

The first set of samples shall be taken within 24 hours of the discharge commencing and the second set of samples shall be taken 12- 48 hours after the discharge has ceased.

These samples shall only be taken provided that safe vehicular access is available and weather conditions allow for safe access to the sample locations.

The water samples shall be analysed for enterococci bacteria (cfu/100ml). The time of the sample collection, together with the weather and tidal conditions shall be recorded and reported with the analytical results.

The results of the monitoring shall be forwarded to the Manager, Environmental Regulation, Wellington Regional Council within 10 working days of the bypass discharge occurring.

Non compliant as results (below) were not supplied within 10 days of discharge occurring. Also, the samples were taken on 8 July which is more than 48 hours after the discharge ceased (i.e. 05 July at 14:20).

Site	Sample	Result
100m SE of Outfall	Enterococcus Species	<10 cfu/100ml
200m SE of Outfall	Enterococcus Species	<10 cfu/100ml
Karori Stream Above Tidal Influence	Enterococcus Species	150 cfu/100ml
100m NW of the mouth of the Karori Stream	Unable to sample - River to fast flowing and deep to cross	

Complaints - Condition 13

The permit holder shall keep a record of any complaints that are received. The record shall contain the following details, where practicable:

- a. Name and address of the complainant;
- b. Identification of the nature of the complaint;
- c. Date and time of the complaint and of the alleged event;
- d. Weather conditions at the time of the complaint; and
- e. Any measures taken to address the cause of the complaint.

The permit holder shall notify the Manager, Environmental Regulation, Wellington Regional Council of any complaints relating to the exercise of this permit, within twenty-four hours of being received by the permit holder or the next working day.

The permit holder shall forward to the Manager, Environmental Regulation, Wellington Regional Council a copy of any complaints recorded in the annual report required by condition (10) of this permit.

Condition met -There were no complaints during the reporting period.

WGN060283 [35674] - To occasionally discharge secondary treated and disinfected wastewater from the Western Wastewater Treatment Plant to Karori Stream during events when the stormwater tank is full and the flow to the plant exceeds 190 L/s.

There were two consented discharges during the period; 4 July and 12 July.

Operational Conditions - Condition 2

This permit shall only be exercised when the sewage inflow to the treatment plant exceeds 190 litres per second (L/s), and the 1000 m3 storage tank is full.

Condition met.

Inflows to be recorded and provided upon request - Condition 3

The permit holder shall continuously monitor and record influent flow to the Western Wastewater Treatment Plant, and make the results available to the Manager, Environmental Regulation, Wellington Regional Council on request.

Condition met - The Manager, Environmental Regulation, Wellington Regional Council has not requested this information be provided.

Information Required in Bypass Discharge Report - Condition 6

The permit holder shall monitor and record the time, flow rate, duration and total volume of the overflow discharges into the Karori Stream, and shall report the results to the Manager, Environmental Regulation, Wellington Regional Council, within 10 working days of the overflow event occurring.

The permit holder shall maintain an incident log containing the details of each overflow discharge and make it available to the public or the Manager, Environmental Regulation, Wellington Regional Council upon request.

Condition met - Refer information provided for WGN060283 [25227], Condition 5, above.

Rainfall Recorded Prior to Discharge - Condition 7

The permit holder shall submit to the Manager, Environmental Regulation, Wellington Regional Council the amount of rainfall recorded in each hour at Karori Reservoir rain-gauge for each of the 7 days preceding each overflow event in the annual report required by condition (11) of this permit.

Not applicable

Analysis of Authorised Discharge Effluent - Condition 8

After an overflow discharge has occurred for more than 2 hours, the permit holder shall collect a representative grab sample of the treated effluent, prior to its entry into Karori Stream. All samples shall be analysed for the following parameters:

Suspended solids	g/m ³
Ammoniacal nitrogen	g/m ³
Total BOD5	g/m ³
Faecal coliform	cfu/100mL

The results of the monitoring shall be forwarded to the Manager, Environmental Regulation, Wellington Regional Council within 10 working days of the bypass discharge occurring.

Refer information provided for WGN060283 [25227], Condition 7, above for results.

Non compliant as results were not supplied within 10 days of discharge occurring.

Analysis of Authorised Discharge Effluent - Condition 9

After an overflow discharge has occurred for more than 24 hours, the permit holder shall collect two representative grab samples from the Karori Stream, one from upstream of the discharge point and one no more than 100 metres downstream of the discharge point. This sampling shall be repeated at daily intervals thereafter for the duration of the discharge. A final set of samples shall be taken two hours after the discharge has ceased, or as soon as is practicable thereafter.

All samples shall be analysed for the following parameters:

Suspended solids	g/m ³
Ammoniacal nitrogen	g/m ³
Total BOD5	g/m ³
Faecal coliform	cfu/100mL

The results of the monitoring shall be forwarded to the Manager, Environmental Regulation, Wellington Regional Council within 10 working days of the bypass discharge occurring.

Note: No monitoring shall be required during the hours of darkness, or when conditions are too dangerous for the safe procurement of samples.

Not applicable - none of the discharge events' durations exceeded 24 hours.

Complaints - Condition 16

The permit holder shall keep a record of any complaints that are received. The record shall contain the following details, where practicable:

- a. Name and address of the complainant;
- b. Identification of the nature of the complaint;
- c. Date and time of the complaint and of the alleged event;
- d. Weather conditions at the time of the complaint; and
- e. Any measures taken to address the cause of the complaint.

The permit holder shall notify the Manager, Environmental Regulation, Wellington Regional Council of any complaints relating to the exercise of this permit, within twenty-four hours of being received by the permit holder or the next working day.

The permit holder shall forward to the Manager, Environmental Regulation, Wellington Regional Council a copy of any complaints recorded in the annual report required by condition (10) of this permit.

Not applicable - there were no complaints during the reporting period.

WGN060283 [35675] - To occasionally discharge milli-screened and settled wastewater from the Western Wastewater Treatment Plant to Karori Stream during events when the stormwater tank is full and the flow to the plant exceeds 390 L/s.

All conditions relating to this consent are **not applicable**. The two discharge events referred above were consented under the applicable consent conditions. However as inflows did not exceed 390 l/s, this consent is not applicable for these events.

Operational Conditions - Condition 2

This consent shall only be exercised when the sewage inflow to the treatment plant exceeds 390 litres per second (L/s), and the 1000 m³ storage tank is full.

Not applicable - Inflows did not exceed 390 l/s during the reporting period.

Inflows to be recorded and provided upon request - Condition 3

The permit holder shall continuously monitor and record influent flow to the Western Wastewater Treatment Plant, and make the results available to the Manager, Environmental Regulation, Wellington Regional Council on request.

Condition met - the Manager, Environmental Regulation, Wellington Regional Council has not requested this information be provided.

Information Required in Bypass Discharge Report - Condition 5

The permit holder shall monitor and record the time, flow rate, duration and total volume of the bypass overflow discharges into the Karori Stream, and shall report the results to the Manager, Environmental Regulation, Wellington Regional Council, within 10 working days of the overflow event occurring.

The permit holder shall maintain an incident log containing the details of each bypass overflow discharge and make it available to the public or the Manager, Environmental Regulation, Wellington Regional Council, upon request.

Not applicable - inflows did not exceed 390 l/s during the reporting period.

Rainfall Recorded Prior to Discharge - Condition 6

The permit holder shall submit to the Manager, Environmental Regulation, Wellington Regional Council the amount of rainfall recorded at the Karori Reservoir rain-gauge in each hour for each of the 7 days preceding each bypass overflow event in the annual report required by condition (9) of this permit.

Not applicable - inflows did not exceed 390 l/s during the reporting period and there were no discharges in the period.

Analysis of Authorised Discharge Effluent - Condition 7

The permit holder shall take one representative grab sample of the settled, milli-screened effluent prior to its entry into the Karori Stream every time the discharge authorised by this permit has occurred for more than one hour. Each sample shall be analysed for the following parameters:

pH	
Suspended solids	g/m ³
Total BOD5	g/m ³
Faecal coliform bacteria	cfu/100mL
oils/grease	g/m ³

The results of the monitoring shall be forwarded to the Manager, Environmental Regulation, Wellington Regional Council within 10 working days of the bypass discharge occurring.

Not applicable - inflows did not exceed 390 l/s during the reporting period and there were no discharges in the period.

Analysis of Authorised Discharge Effluent - Condition 8

After any bypass overflow discharge has occurred for more than one hour, the permit holder shall collect representative grab samples from the Karori Stream, upstream of the discharge point at the last bridge to the wastewater treatment plant at approximate map reference NZTM 1742609.5425785.

The sample shall be analysed for the following parameters:

Suspended solids	g/m ³
Ammoniacal nitrogen	g/m ³
Total BOD5	g/m ³
Faecal coliform	cfu/100mL

The results of the monitoring shall be forwarded to the Manager, Environmental Regulation, Wellington Regional Council within 10 working days of the overflow discharge occurring.

Note: No monitoring shall be required during the hours of darkness, or when conditions are too dangerous for the safe procurement of samples.

Not applicable - inflows did not exceed 390 l/s during the reporting period and there were no discharges in the period.

Complaints - Condition 13

The permit holder shall keep a record of any complaints that are received. The record shall contain the following details, where practicable:

- a. Name and address of the complainant;
- b. Identification of the nature of the complaint;
- c. Date and time of the complaint and of the alleged event;
- d. Weather conditions at the time of the complaint; and
- e. Any measures taken to address the cause of the complaint.

The permit holder shall notify the Manager, Environmental Regulation, Wellington Regional Council of any complaints relating to the exercise of this permit, within twenty-four hours of being received by the permit holder or the next working day.

The permit holder shall forward to the Manager, Environmental Regulation, Wellington Regional Council a copy of any complaints recorded in the annual report required by condition (9) of this permit.

Not applicable - inflows did not exceed 390 l/s during the reporting period and there were no discharges in the period.

WGN060283 [25230] - Discharge to Air

Monitoring of Air Quality - Condition 3

The permit holder shall monitor air quality in the vicinity of the plant to confirm the absence of faecal coliforms and salmonella originating from the plant. Sampling is to be carried out at least once every six months.

The sampling method and locations are to be agreed with the Wellington Regional Council within three months of the granting of this permit.

Should the presence of faecal coliforms or salmonella be measured at any time, the Wellington Regional Council may direct that the permit holder sample at least once every month for six months before returning to the six monthly sampling regime.

The results shall be provided annually to Wellington Regional Council as part of the annual report required by condition 8 of this permit.

Condition met - Ambient Microbe Monitoring was last performed at the Western WWTP in April 2025. The results of the Western WWTP ambient microbe monitoring conducted on 2 April 2025 are presented in the table below. It confirms the absence of Salmonella and Faecal Coliforms. Aspergillus Fumigatus, Gram-negative bacteria, Enterococci, or Escherichia coli were also not detected at any of the sites. The bacteria concentrations at all three sites were below the Biodet "Outdoor Air" and "Vicinity of WWTP" guidelines, however the Total F/Fungi levels were twice the "Outdoor Air" guideline, but within the range for WWTP. There were also elevated levels of Total Bacteria and Total Actinomycetes at Site 3, located above the biofilter. The results were significantly higher than observed in November 2024 and twice those measured in May 2024.

The full report can be provided on request.

Site	Total Count (CFU/m ³) ¹	Filter 1 Breakdown of Total Count					Filter 2		Filter 3		
		Total Bacteria (CFU/m ³) ²	Total Actinomycetes (CFU /m ³) ²	Total Fungi ³ (CFU /m ³) ²	Total Yeasts (CFU/m ³) ²	Aspergillus Fumigatus ³ (CFU /m ³) ²	Gram Negative (CFU/m ³) ²	Enterococci (CFU /m ³) ²	Salmonella Present/Absent	Total Coliforms Present/Absent	Faecal Coliforms Present/Absent
Site 1	1,023	<3	3	1,010	10	<3	<3	<3	Absent	Absent	Absent
Site 2	902	2	<2	900	<2	<2	<2	<2	Absent	Absent	Absent
Site 3	1,721	13	25	1,683	<3	<3	<3	<3	Absent	Absent	Absent

1. CFU/m³ = Colony forming units per cubic meter of air at actual temperature and pressure
2. F/Fungi = Filamentous Fungi
3. Aspergillus fumigatus count is included in the Total Fungi count

Monitoring of Biofilter - Condition 4

The permit holder shall undertake a comprehensive assessment of the quality of the biofilter media on an annual basis (or more frequently if appropriate).

The results of this assessment, including a summary of the findings, details of any action(s) to be taken to improve the efficiency of the biofilter, and a timetable for those actions to be undertaken, shall be submitted to the Manager, Environmental Regulation, Wellington Regional Council within one month of the assessment being undertaken.

Actions to be undertaken may include, but are not limited to:

- a. Turning, restructuring and dampening of the bed material,
- b. the addition of supplementary bed material, or
- c. total bed material replacement.

The first assessment shall be undertaken within three months of the granting of this permit. Subsequent assessments shall be undertaken annually thereafter.

Condition met - a biofilter assessment was undertaken in April 2025 and received 5 May 2025 and provided to GWRC thereafter.

Complaints - Condition 10

The permit holder shall keep a permanent record of any complaints received alleging adverse effects from the permit holder's operations. The complaints record shall contain the following where practicable:

- a. the name and address of the complainant, if supplied;
- b. identification of the nature of the complaint;
- c. date and time of the complaint and alleged event;
- d. weather conditions at the time of the alleged event;
- e. results of the permit holder's investigations; and
- f. any mitigation measures adopted.

The permit holder shall notify the Manager, Environmental Regulation, Wellington Regional Council of any complaints relating to the exercise of this permit, within twenty-four hours of being received by the permit holder or the next working day.

The permit holder shall forward to the Manager, Environmental Regulation, Wellington Regional Council a copy of any complaints recorded in the annual report required by condition (8) of this permit.

Condition met - there have been no complaints received regarding this resource consent during the reporting period.

**Appendix i:
Treatment Plant Effluent Flow Rate**

Treatment Plant Effluent Flow Rate

Day	July 2025			August 2025			September 2025		
	Average Flow	Peak Flow	Daily Total	Average Flow	Peak Flow	Daily Total	Average Flow	Peak Flow	Daily Total
	L/s	L/s	m ³	L/s	L/sr	m ³	L/s	L/s	m ³
1	53	87	4,573	44	135	3,780	51	92	4,391
2	49	82	4,193	49	88	4,276	46	92	3,973
3	117	178	10,142	47	84	4,020	42	95	3,599
4	145	176	12,497	42	82	3,661	44	87	3,815
5	123	176	10,669	41	83	3,544	50	165	4,343
6	95	138	8,185	41	118	3,527	53	91	4,574
7	66	166	5,715	41	82	3,579	57	115	4,907
8	58	165	5,052	98	187	8,508	49	103	4,244
9	54	83	4,688	101	172	8,747	50	102	4,329
10	52	100	4,511	113	183	9,735	45	95	3,876
11	120	183	10,332	78	126	6,749	46	86	3,946
12	98	156	8,438	72	142	6,183	31	67	2,704
13	82	120	7,063	57	103	4,887	42	88	3,656
14	68	103	5,888	51	97	4,410	43	88	3,721
15	62	134	5,339	47	79	4,050	40	86	3,483
16	53	98	4,563	51	87	4,444	35	74	3,001
17	50	89	4,351	50	87	4,361	33	79	2,874
18	44	83	3,804	63	193	5,447	37	88	3,224
19	57	105	4,895	77	190	6,618	34	176	2,901
20	54	100	4,627	58	110	5,025	39	82	3,328
21	47	88	4,037	50	83	4,324	55	136	4,733
22	47	88	4,052	46	83	3,986	156	200	13,507
23	46	87	3,947	49	100	4,238	148	192	12,757
24	42	84	3,625	49	90	4,269	70	116	6,046
25	37	75	3,203	45	89	3,860	59	94	5,062
26	40	83	3,485	44	89	3,818	49	95	4,235
27	45	87	3,899	42	87	3,642	52	93	4,337
28	38	84	3,298	42	133	3,603	52	92	4,496
29	57	106	4,908	36	83	3,150	48	82	4,144
30	76	178	6,583	43	87	3,679	47	88	4,043
31	63	130	5,465	81	165	6,987			

Table 18: Effluent Flow Data

Effluent Pipe Flow Rate²

Day	July 2025			August 2025			September 2025 ³		
	Average Flow	Peak Flow	Daily Total	Average Flow	Peak Flow	Daily Total	Average Flow	Peak Flow	Daily Total
	L/s	L/s	m ³	L/s	L/s	m ³	L/s	L/s	m ³
1	59	87	5079	50	81	4349	51	87	4403
2	54	80	4658	52	80	4461	47	78	4083
3	109	147	9382	50	66	4326	43	67	3754
4	127	143	10973	48	63	4150	44	66	3832
5	120	141	10362	47	64	4078	51	132	4381
6	95	132	8195	46	64	3932	49	67	4250
7	64	89	5492	46	62	3951	51	92	4407
8	59	81	5055	88	138	7561	49	85	4220
9	58	70	5025	97	135	8379	47	65	4026
10	51	67	4368	112	142	9680	43	64	3724
11	100	134	8652	80	80	6912	44	65	3766
12	92	122	7980	71	90	6156	40	62	3476
13	77	115	6655	56	93	4856	45	65	3865
14	67	97	5789	54	88	4680	44	64	3810
15	63	107	5440	51	83	4393	42	63	3664
16	56	81	4832	52	79	4475	41	65	3534
17	54	76	4669	51	66	4413	38	66	3264
18	50	72	4291	60	137	5181	41	65	3513
19	58	81	5005	82	137	7081	38	66	3317
20	54	77	4646	62	109	5372	41	66	3566
21	50	67	4308	54	108	4664	47	117	4088
22	48	66	4141	51	81	4384	118	136	10157
23	47	67	4030	51	82	4432	121	121	10454
24	43	66	3758	50	66	4302	121	121	10454
25	44	67	3786	48	65	4173	121	121	10454
26	44	67	3802	47	68	4103	121	121	10454
27	45	65	3930	45	68	3894	121	121	10019
28	42	65	3661	46	65	3975	121	121	10454
29	55	77	4730	44	85	3806	121	121	10454
30	72	137	6179	47	66	4033	121	121	10454
31	65	123	5593	77	131	6658			

Table 19: Effluent Flow Data

² The isolated location of the site presents communications connectivity issues that are impacting ability to report flows. Veolia is currently investigating the root cause of these issues to resolve this issue as soon as possible.

³ Telemetry was lost part way through this month, so results from 23 September (as highlighted) may be invalid.

**Appendix ii:
Outfall Inspection Reports**

July 2025

Is there any signs of leaking or damage to the outfall structure in the water? * ☒ Yes ☐ No	Is there any change in colour or clarity of the water beyond a 50 meter radius of the discharge point? * ☐ Yes ☒ No	Is there any signs of adverse effects on the aquatic life beyond a 50 meter radius of the discharge point? * ☐ Yes ☒ No
Is there any oil or grease films, scums, foams, or suspended material beyond a 50 meter radius of the discharge point? * ☐ Yes ☒ No	Is there any emissions or objectionable odour beyond a 50 meter radius of the discharge point? * ☐ Yes ☒ No	Description of Outfall If yes, please describe the damage to the outfall structure below: Leak at corner joint on beach section, previously reported but not yet repaired.

27 August 2025

Is there any signs of leaking or damage to the outfall structure in the water? * ☐ Yes ☒ No
Is there any oil or grease films, scums, foams, or suspended material beyond a 50 meter radius of the discharge point? * ☐ Yes ☒ No

Is there any change in colour or clarity of the water beyond a 50 meter radius of the discharge point? *

☐ Yes

☒ No

Is there any emissions or objectionable odour beyond a 50 meter radius of the discharge point? *

☐ Yes

☒ No

Is there any signs of adverse effects on the aquatic life beyond a 50 meter radius of the discharge point? *

☐ Yes

☒ No

Description of Outfall

If yes, please describe the damage to the outfall structure below:

Western WWTP Outfall Inspection

Thank you for conducting the Western WWTP Outfall Inspection. Please answer the following questions:

Date? *

DD MM YYYY

27 / 09 / 2025

Is there any signs of leaking or damage to the outfall structure in the water? *

☒ Yes

☐ No

Is there any oil or grease films, scums, foams, or suspended material beyond a 50 meter radius of the discharge point? *

☐ Yes

☒ No

Is there any change in colour or clarity of the water beyond a 50 meter radius of the discharge point? *

☐ Yes

☒ No

Is there any emissions or objectionable odour beyond a 50 meter radius of the discharge point? *

☐ Yes

☒ No

Is there any signs of adverse effects on the aquatic life beyond a 50 meter radius of the discharge point? *

☐ Yes

☒ No

Description of Outfall

If yes, please descript the damage to the outfall structure below:

Potential leak near the end of the pipe has already been reported to WWL

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