

# Seaview Wastewater Treatment Plant

July - September 2024 Quarterly Resource Consents Report This report has been prepared solely for the benefit of Hutt City Council.

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### CONTROL SHEET

Document Title:	Seaview Wastewater Treatment Plant - July - September Quarterly Resource Consents Report
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### DOCUMENT CONTROL REGISTER

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0	Draft	31 October 2024	Original version for review.
1	Final	1 November 2024	Internal review.
2	Amended Report	13 November 2024	Edits at request of Wellington Water to address errors and omissions in Final Report

## EXECUTIVE SUMMARY

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

#### WGN050359 [24539]

The Seaview WWTP is governed by the resource consent under the Greater Wellington Regional Council consent file number WGN050359 [24539]. In general, the consent allows the discharge of secondary treated and disinfected wastewater to the coastal marine area through an existing outfall at Bluff Point. The following is a brief overview of the compliance with the consent conditions:

Resource Consent Condition	Compliant/Non-Compliant/Not Applicable
9(a)	Compliant
9(b)	Compliant
9(c)	Non-compliant
10	Compliant
11	Compliant
12	Compliant
13	Not Applicable
14	Not Applicable
17	Compliant

#### WGN120142 [31740]

When maintenance is required on the Seaview WWTP main outfall pipeline, resource consent WGN120142 [31740] governs the construction of temporary channels on the foreshore to direct treated wastewater discharged from the scour valves on the main outfall pipeline into the sea. There are no reporting requirements for this resource consent.

#### WGN120142 [33406]

The Seaview WWTP is governed by the resource consent under the Greater Wellington Regional Council consent file number WGN120142 [33406]. In general, the consent allows the temporary discharge of treated wastewater to the Waiwhetu Stream during and/or immediately after heavy rain events when flows exceed the capacity of the main outfall pipeline and the storm tank system is fully utilised. The following is a brief overview of the compliance with the consent conditions:

Resource Consent Condition	Compliant/Non-Compliant/Not Applicable
7	Compliant
9	Compliant
11	Compliant
12	Compliant
14	Compliant
15	Compliant
16	Compliant

### WGN120142 [33407]

The Seaview WWTP is governed by the resource consent under the Greater Wellington Regional Council consent file number WGN120142 [33407]. In general, the consent allows the temporary discharge of treated wastewater onto the land where it may enter streams or the coastal marine area from the following:

- Planned repairs
- Unplanned repairs
- Leaks associated with temporary repairs, and
- Minor leaks

This is in relation to the main outfall pipeline from Seaview WWTP to Pencarrow Head.

The following is a brief overview of the compliance with the consent conditions:

Resource Consent Condition	Compliant/Non-Compliant/Not Applicable
17	Compliant
18	Compliant
19	Not Applicable
22	Compliant

Table 3: WGN120142 [33407] Resource Consent Condition Compliance

### WGN120142 [33408]

The Seaview WWTP is governed by the resource consent under the Greater Wellington Regional Council consent file number WGN120142 [33408]. In general, the consent allows the temporary discharge of treated wastewater to the Waiwhetu Stream when the main outfall pipeline is being repaired.

The following is a brief overview of the compliance with the consent conditions:

Resource Consent Condition	Compliant/Non-Compliant/Not Applicable
11	Compliant
14	Compliant
15	Compliant
16	Compliant
18	Compliant
26	Compliant

### WGN930193 (01)

The discharge of contaminants to the air from the outfall venting structures and vents is governed by resource consent WGN930193 (01). There are no reporting requirements for this resource consent.

### WGN930193 (02)

The discharge of contaminants to the air from the sewage outfall structure and the sewage effluent is governed by resource consent WGN930193 (02). There are no reporting requirements for this resource consent.

### WGN950162 (01)

The discharge of contaminants to the air from the operation of the Seaview WWTP is governed by resource consent WGN950162 (01).

The following is a brief overview of the compliance with the consent conditions:

Compliant/Non-Compliant/Not Applicable
Compliant
Compliant
Not Applicable
Not Applicable

Table 5: WGN980083 [33805] Resource Consent Condition Compliance

### WGN930194

The resource consent WGN930194 governs the occupation of the foreshore and seabed of the coastal marine area for the purposes of continued use of the existing sewage pipeline and outfall structure. There are no reporting requirements for this resource consent.

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### WGN050359 [24539]

### Condition (9)

The following effluent standards shall apply at all times:

(a) Carbonaceous Biochemical Oxygen Demand (cBOD5)

Compliance is based on daily 24 hour flow proportioned composite sampling, with a running geometric mean and eighty-percentile calculated each day using 90 consecutive daily test results. The geometric mean of 90 consecutive daily cBOD5 values shall not exceed 50 g/m<sup>3</sup> and no more than 20% of 90 consecutive daily values shall exceed 85 g/m<sup>3</sup>.

(b) Suspended solids

Compliance is based on daily 24 hour flow proportioned composite sampling, with a running geometric mean and eighty-percentile calculated each day using 90 consecutive daily test results. The geometric mean of 90 consecutive daily suspended solids values shall not exceed 50 g/m<sup>3</sup> and no more than 20% of 90 consecutive daily values shall exceed 85 g/m<sup>3</sup>.

(c) Faecal Coliforms

Compliance is based •on daily grab samples to be taken between the hours of 1 Oam and 4pm with a running geometric mean and eighty percentile calculated each day using 90 consecutive daily test results.

The geometric mean of 90 consecutive daily faecal coliform values shall not exceed 1000 per 100 mL and no more than 20% of 90 consecutive daily values shall exceed 5000 per 100 mL.

#### Section (a)

The following is a summary of the daily results, geometric mean, and eightieth percentile for carbonaceous biochemical oxygen demand.

July 2024				August 2024				September 2024		
Day	Daily Results	Geometric Mean	80th Percentile	Daily Results	Geometric Mean	80th Percentile	Daily Results	Geometric Mean	80th Percentile	
	g/m³	g/m³	g/m³	g/m³	g/m³	g/m³	g/m³	g/m³	g/m³	
1	22	10	13	48	10	13	19	13	19	
2	13	10	13	34	10	14	16	13	19	
3	6	9	13	11	10	13	24	13	20	
4	8	9	13	10	10	13	18	13	20	
5	6	9	12	13	10	13	18	13	20	
6	6	9	12	14	10	14	9	13	20	
7	6	9	12	17	10	14	18	13	20	
8	8	9	12	15	10	15	17	13	20	
9	6	9	12	10	10	15	20	14	20	
10	8	9	12	10	10	15	15	14	20	
11	8	9	11	11	11	15	20	14	20	
12	6	9	10	11	11	15	27	14	20	
13	6	9	10	16	11	15	38	14	21	
14	8	9	10	16	11	15	25	14	21	
15	10	8	10	19	11	16	18	14	21	
16	7	8	10	14	11	16	181	15	21	
17	10	8	10	13	11	16	30	15	22	
18	22	9	10	32	11	16	10	15	22	
19	8	9	10	21	11	17	9	15	22	
20	17	9	10	19	11	17	12	15	22	
21	12	9	11	19.5	12	17	9	15	22	
22	23	9	12	25	12	18	13	15	22	
23	20	9	12	21	12	18	11	15	22	
24	21	9	12	10	12	18	14	15	22	
25	26	9	12	40	12	19	24	15	22	
26	25	9	13	56	12	19	28	15	23	
27	18	9	13	12	12	19	54	16	24	
28	19	9	13	13	12	19	72	16	24	
29	18	9	13	15	13	19	57	16	25	
30	207	9	13	8	13	19	57	17	25	
31	112	10	13	9	13	19	-	-	-	
Limits	N/A	50	85	N/A	50	85	N/A	50	85	

Table 6: 5-Day Carbonaceous Biochemical Oxygen Demand Results, Geometric Mean, and 90th Percentile

Please note that analytical results highlighted in amber are above the 50g/m<sup>3</sup> geometric mean limit. Analytical results highlighted in red are above the 85g/m<sup>3</sup> percent compliance limit. This does not affect the compliance with the resource consent.

#### Section (b)

The following is a summary of the daily results, geometric mean, and eightieth percentile for the suspended solids.

		July 2024			August 2024	L .	Se	eptember 20	2024	
Day	Daily Results	Geometric Mean	90th Percentile	Daily Results	Geometric Mean	90th Percentile	Daily Results	Geometric Mean	90th Percentile	
	g/m³	g/m³	g/m³	g/m³	g/m³	g/m³	g/m³	g/m³	g/m³	
1	58	12	19	174	11	19	27	14	22	
2	26	12	19	115	12	19	25	15	23	
3	14	12	19	15	12	19	47	15	23	
4	9	12	17	17	12	19	33	15	24	
5	6	11	16	20	12	19	23	15	24	
6	10	11	16	12	12	19	11	15	24	
7	6	11	16	17	12	19	28	15	24	
8	18	11	16	11	12	19	28	16	25	
9	6	11	16	13	12	19	29	16	25	
10	52	11	16	9	12	19	23	16	25	
11	14	11	16	11	12	19	27	16	26	
12	6	11	16	8	12	19	39	16	26	
13	6	11	16	17	12	19	34	17	27	
14	11	10	15	13	12	19	39	17	27	
15	12	10	15	12	12	19	19	17	28	
16	8	10	15	9	13	19	365	18	28	
17	7	10	15	13	13	19	65	18	28	
18	11	10	15	31	13	20	17	18	28	
19	6	10	15	22	13	20	16	18	28	
20	19	10	15	22	13	20	11	18	28	
21	15	10	15	20	13	20	21	19	28	
22	24	10	15	23	13	20	15	19	28	
23	20	10	16	28	13	20	16	19	28	
24	25	11	16	9	13	20	13	19	28	
25	24	11	17	42	13	20	18	19	28	
26	24	11	18	121	14	21	27	19	28	
27	20	11	18	23	14	21	46	20	29	
28	18	11	18	22	14	22	42	20	29	
29	19	11	18	22	14	22	51	20	30	
30	20	11	18	6	14	22	60	20	32	
31	363	11	18	9	14	22	-	-	-	
Limits	N/A	50	85	N/A	50	85	N/A	50	85	

Table 7: Suspended Solids Results, Geometric Mean, and 90th Percentile

Please note that analytical results highlighted in amber are above the 50g/m<sup>3</sup> geometric mean limit. Analytical results highlighted in red are above the 85g/m<sup>3</sup> percent compliance limit. This does not affect the compliance with the resource consent.

#### Section (c)

The following is a summary of the daily results, geometric mean, and eightieth percentile for faecal coliforms.

		July 2024			August 2024 September 2024			September 2024			
Day	Daily Results	Geometric Mean	90th Percentile	Daily Results	Geometric Mean	90th Percentile	Daily Results	Geometric Mean	90th Percentile		
	cfu/100mL	cfu/100mL	cfu/100mL	cfu/100mL	cfu/100mL	cfu/100mL	cfu/100mL	cfu/100mL	cfu/100mL		
1	1049	4967	53887	60000	3548	47592	38678	12304	60000		
2	38730	5091	53887	44721	3542	47188	10000	12930	60000		
3	7746	5094	53887	14491	3496	46291	17321	12823	60000		
4	46989	5216	53887	7211	3445	46291	1249000	13906	60000		
5	60000	5221	53887	13000	3495	46291	79373	14648	60000		
6	1597	5015	52685	40497	3550	46291	140712	15186	60000		
7	1058	4795	52057	47958	3591	47293	5831	15348	60000		
8	25923	4750	51497	60000	3681	47833	3688	15074	60000		
9	47749	4738	49468	28284	3832	47833	7483	14729	60000		
10	20785	4691	47997	27713	3991	47833	22361	14568	60000		
11	760	4496	47997	26458	4121	47833	56480	14855	60000		
12	1342	4331	47997	17321	4274	47833	41952	14905	60000		
13	474	4104	47539	45607	4686	48164	30984	14796	60000		
14	155	3841	47089	60000	4913	50146	3225	14323	60000		
15	387	3632	40382	40000	5160	50146	17972	14147	60000		
16	500	3449	36921	48990	5271	50146	48990	14501	60000		
17	1691	3369	36921	60000	5512	55114	37229	14577	60000		
18	45826	3422	40149	24372	5653	55114	1833	14200	60000		
19	60000	3423	40149	20000	6151	55114	8124	14041	60000		
20	56480	3476	46058	60000	6570	57184	15492	13832	60000		
21	21909	3590	46058	60000	7104	60000	4899	13452	60000		
22	60000	3661	47089	53852	7514	60000	16310	13876	60000		
23	60000	3733	47539	30000	7995	60000	18974	14131	60000		
24	60000	3737	47539	2098	8210	60000	34641	14386	60000		
25	-	3662	47592	15875	8910	60000	29933	14465	60000		
26	40000	3828	47592	60000	9695	60000	1643	14774	60000		
27	1649	3679	47188	60000	10410	60000	4975	15568	60000		
28	2746	3589	47188	60000	11295	60000	3194	16081	60000		
29	5367	3501	46291	1649	11177	60000	1327	16123	60000		
30	60000	3501	46291	44721	11694	60000	10488	15890	60000		
31	60000	3527	47188	16971	12016	60000	-	-	-		
Limits	N/A	1000	5000	N/A	1000	5000	N/A	1000	5000		

Table 8: Faecal Coliform Results, Geometric Mean, and 90th Percentile

Please note that analytical results highlighted in amber are above the 1000cfu/100mL geometric mean limit. Analytical results highlighted in red are above the 5000cfu/100mL percent compliance limit. This does not affect the compliance with the resource consent.

### Condition (10)

The permit holder shall report to the Manager, Environmental Regulation, Wellington Regional Council, immediately in the event that a running geometric mean and/or 80 percentile calculated daily from the monitoring programme exceeds the values stipulated in condition 9 for more than three consecutive days. 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.

The Faecal coliforms 90-day 80th percentile were exceeded for the duration of this report. Work was undertaken during this time to refurbish the UV disinfection system but this was not completed by the end of the reporting period. Efforts are ongoing to optimise the performance of the process and UV system to bring the faecal counts back into compliance.

### Condition (11)

Based on 24 hour flow-proportioned composite samples collected and analysed once each month in accordance with conditions 6, 7 and 8 and Schedule 1 of this permit, all wastewater discharged through the outfall shall meet the following standards:

Analyte	Units	<b>Standard:</b> Over each 12-month period, from 1 July to 30 June, no more than 2 sample results shall exceed:
Dissolved Arsenic	mg/L	0.115
Dissolved Cadmium	mg/L	0.035
Dissolved Chromium	mg/L	0.220
Dissolved Copper	mg/L	0.065
Dissolved Nickel	mg/L	0.350
Dissolved Lead	mg/L	0.220
Dissolved Zinc	mg/L	0.750
Dissolved Mercury	mg/L	0.005
Cyanide	mg/L	0.200
Phenol	mg/L	0.500
Notes:	1. 2.	Two exceedances out of 12 samples is permitted to meet a 95-percentile discharge compliance standard, based on a discharger's risk of no more than 10% (from 'New Zealand Municipal Wastewater Monitoring Guidelines' NZWERF/MfE 2002) The treated wastewater standards above are based on the ANZECC (2000) marine water trigger levels for 'slightly to moderately disturbed ecosystems' multiplied by a factor of 50 to allow for reasonable mixing (the 50:1 dilution contour extends approximately 400 metres from the outfall).

As per schedule 1, the effluent is analysed for enterococci and heavy metals on a weekly basis. The following is a summary of this analysis:

Compound	Units	Limit	July 2024	August 2024	September 2024
Dissolved arsenic	g/m³	0.115	0.001	0.004	0.002
Dissolved cadmium	g/m³	0.035	0.0002	0.0002	0.0002
Dissolved chromium	g/m³	0.220	0.001	0.002	0.002
Dissolved copper	g/m³	0.065	0.0028	0.0023	0.0019
Dissolved nickel	g/m³	0.350	0.0011	0.0016	0.0013
Dissolved lead	g/m³	0.220	0.0005	0.0005	0.0005
Dissolved zinc	g/m³	0.750	0.006	0.010	0.007
Dissolved mercury	g/m³	0.005	0.0005	0.0005	0.0005
Cyanide	g/m³	0.200	0.005	0.005	0.012
Phenol	g/m³	0.500	0.01	0.01	0.01
Oil and Grease	g/m³		17	43	4
Nitrate-N	g/m³		0.20	0.06	0.82
Dissolved Reactive Phosphorus	g/m³		2.76	0.243	1.88
рН			8.0	6.8	7.3
Conductivity	mS/m		138	49.9	120
Ammonia Nitrogen	g/m³		24.9	7.00	23.5

Table 10: Analytical Results for Quarterly Metals and other Specified Compounds

Dev	July 2024	August 2024	September 2024
Day	cfu/100mL	cfu/100mL	cfu/100mL
1		100	
2			
3		100	
4	3200		
5			100
6	1200		
7			100
8		100	
9			
10		200	
11	1300		
12			60000
13	400		
14			50000
15		100	
16			
17		1000	
18	100		
19			4000
20	100		
21			300
22		100	
23			
24		100	
25	100		
26			48000
27	100		
28			33000
29		100	
30			
31		10	

Table 9: Effluent Enterococci Results

### Condition (12)

The discharge shall not result in any of the following effects beyond a 200 metre radius of the discharge point:

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

None of the effects listed above were observed at the discharge point.

### Condition (13)

The permit holder shall collect representative coastal water samples from knee deep water at the following locations, once each month for six months through November to April inclusive each year, for the duration of this permit:

- (a) Fitzroy Bay 400 m SE of outfall (R27:651.807)
- (b) Fitzroy Bay 100 m SE of outfall (R27:650.808)
- (c) Fitzroy Bay 100 m NW of outfall (R27:648.808)
- (d) Fitzroy Bay 400 m NW of outfall (R27:647.810)
- (e) Pencarrow Head at Lighthouse (R27:647.816)
- (f) Inconstant Point (R27:650.825)
- (g) Hinds Point (R27:655.839)

The water samples shall be analysed for faecal coliform and enterococci bacteria.

Condition 13 is not applicable for this reporting period.

### Condition (14)

The permit holder shall collect three replicate composite samples of the green-lipped mussel (*Perna canaliculus*) from near shore waters at each of the following locations during February or March of every second year, for the duration of this permit:

- (a) Fitzroy Bay 100m NW of outfall (R27:648.808)
- (b) Fitzroy Bay 400m MW of outfall (R27:647.810)
- (c) Pencarrow Head at Lighthouse (R27:647.816)

The flesh of the mussel samples shall be analysed for arsenic and trace metal (cadmium, chromium, copper, mercury, lead, nickel and zinc) concentrations. The number and size (length) of the shellfish analysed in each sample shall be recorded and this record forwarded to the Wellington Regional Council together with the analytical results.

Condition 14 is not applicable for this reporting period.

### Condition (17)

The permit holder shall make the results of all monitoring undertaken, as required by conditions of this permit, available to the Manager, Environmental Regulation, Wellington Regional Council on request, including provision of results in electronic format, and a monitoring report for each three-month period ending March, June, September and December shall be forwarded to the Manager, Environmental Regulation, Wellington Regional Council within 30 days after the end of each three month period. The quarterly report shall include reasons for any non-compliance and subsequent actions undertaken to remedy the non-compliance.

All monitoring performed at the Seaview WWTP has been provided in the previous sections of this report under the designated resource consent conditions. The following is a summary of the monitoring parameters, the resource consent condition the data is listed under, the monitoring frequency, the limits for each parameter, and compliance with the resource consent:

Monitoring Parameters	WGN05035 9 [24539] Condition	Monitoring Frequency	Limits	Compliance
Carbonaceous Biochemical Oxygen Demand	9a	Daily	Geometric Mean < 50g/m <sup>3</sup> 90th Percentile < 85g/m <sup>3</sup>	Compliant
Suspended Solids	9b	Daily         Geometric Mean <530g/m³ 90th Percentile < 85g/m³           Geometric Mean < 1000cfu/100ml		Compliant
Faecal Coliforms	9c	Daily	Geometric Mean < 1000cfu/100mL 90th Percentile < 5000cfu/100mL	Non-compliant
Dissolved arsenic		Monthly	<0.115g/m <sup>3</sup>	Compliant
Dissolved cadmium		Monthly	<0.035g/m³	Compliant
Dissolved chromium		Monthly	<0.220g/m³	Compliant
Dissolved copper		Monthly	<0.065g/m³	Compliant
Dissolved nickel	11	Monthly	<0.350g/m <sup>3</sup>	Compliant
Dissolved lead	11	Monthly	<0.220g/m <sup>3</sup>	Compliant
Dissolved zinc		Monthly	<0.750g/m³	Compliant
Dissolved mercury		Monthly	<0.005g/m³	Compliant
Cyanide		Monthly	<0.200g/m <sup>3</sup>	Compliant
Phenol		Monthly	<0.500g/m <sup>3</sup>	Compliant
Coastal Water Monitoring	13	Each month between November and April (Inclusively)	N/A	NA
Coastal Green-lipped Mussel Sampling	stal Green-lipped Mussel Sampling 14 Each month between February and March of every second year		N/A	NA

Table 22: Resource Consent Condition Compliance

### WGN120142 [33406]

### Condition (7)

Within two working days of the discharge stopping, the consent holder shall submit details of each discharge event in a suitable electronic format to Manager, Environmental Regulation, Wellington Regional Council at notifications@gw.govt.nz and Regional Public Health at healthprotection@huttvalleydhb.org.nz. Details shall include but not be limited to:

- Consent reference WGN120142 [31523)
- Cause of the discharge
- Location of the discharge
- Start date and time of the discharge
- End date and time of the discharge
- Maximum flow (L/s) of the discharge
- Mean flow (L/s) of the discharge
- Daily volume (m<sup>3</sup>) of the discharge
- Contact person for further information regarding the discharge
- Continuous flow records (m<sup>3</sup>/s) during the discharge period as measured by the consent holder-as required by condition 10
- Rainfall in the catchment during the discharge period (mm) (if available)

Note: Local rainfall data (Hutt at Birch Lane monitoring site) can be downloaded from the Greater Wellington website http://graphs.gw.govt.nz/rainfall-2/

GWRC as regulator issued a please explain with regard to the discharge on 15 September. An investigation was undertaken and a response provided on 15 October 2024.

		Discharge f	to Waiwhetu eam	Flow in V Str	Waiwhetu eam	Total		
Date	Duration	Average Flow	Peak Flow	Average Flow	Peak Flow	Discharge	Consented	Cause
dd/mm/yyyy	hh:mm	L/s	L/s	m³/s	m³/s	m³	Y/N	
1/07/2024	6:36	544	1247	1.6	9.9	12355	Y	Wet Weather
30/07/2024	80:00	186	1062	1.9	8.7	53602	Y	Wet Weather
11/08/2024	309:25	739	2454	1.5	18.8	822911	Y	Unplanned repairs to Outfall
26/08/2024	162	316	1617	2.8	20.2	184360	Y	Heavy rain
26/08/2024	00:35	1258	1617	5.1	5.1	3018	N	Power Outage
03/09/2024	35:05	383	1452	2.8	9.2	48517	Y	Wet Weather
15/09/2024	8:20	257	536	2.2	6.0	7714	Y	Effluent pumps shut-down
16/09/2024	49:10	404	1442	3	10	71538	Y	Wet Weather

The following is a summary of the treated effluent discharge events that occurred at the Seaview WWTP to the Waiwhetu Stream.

### Condition (9)

The consent holder shall monitor the flow rate, duration and total volume of all overflows discharged from the treatment plant into the Waiwhetu Stream and shall report the results to Wellington Regional Council in accordance with condition 25 of this consent, or upon request.

The flow monitoring devices shall be capable of measuring wastewater flows of magnitudes up to and beyond peak instantaneous flow rates, and calibrated and maintained to ensure that the measurement error is no more than +/-10%.

The flow rates, durations, and total volume of all overflow discharges have been listed under WGN120142 [33406], Condition 7 (above).

### Condition (11)

The consent holder shall take a grab sample of treated wastewater as it leaves the treatment plant prior to entering the overflow pipe each day that a discharge occurs for more than one hour. The samples shall be analysed for parameters specified in condition 14.

The following is a summary of the treated wastewater samples prior to entering the overflow pipe each day that a discharge has occurred.

Date	Time	Enterococci	E. Coli	Faecal Coliforms	cBOD₅	Dissolved Reactive Phosphorus	Ammoniacal Nitrogen	Nitrate Nitrogen	Nitrite Nitrogen
dd/mm/yyyy	hh:mm	cfu/ 100mL	cfu/ 100mL	cfu/100mL	g/m³	g/m³	g/m³	g/m³	g/m³
2/07/2024	11:57	6000	50000	6000	68	0.748	15.5	0.01	0.1
30/07/2024	13:52	6000	4.00+5	6000	182	2.70	20.8	0.01	0.01
11/08/2024	09:45	6000	21000	6000	15	1.39	22.5	0.02	0.01
26/08/2024	09:48	6000	1.20+5	6000	52	0.254	8.00	0.01	0.01
04/09/2024	11:01	6000	62000	6000	43	0.075	9.14	0.01	0.01
15/09/2024	14:31	2300	1000	2300	17	0.393	15.9	0.01	0.01
16/09/2024	10:13	6000	24000	6000	17	0.584	17.6	0.01	0.01

Date	Time	H₂O Temp.	рН	Salinity	Wind Direction	Wind Strength	Tide	Sea Conditions
dd/mm/yyyy	hh:mm	°C		g/m³				
02/07/2024	12:41	14.3	7.33	2	3.43	S	Moderate	High
03/07/2024	09:57	14.1	7.18	2	7.23	S	Strong	Low
04/07/2024	10:07	14.1	7.18	2	7.07	S	Light	Low
30/07/2024	13:52	14.8	7.08	2	2.14	S	Moderate	High
31/07/2024	10:49	13.4	7.24	2	3.27	S	Light	Mid
01/08/2024	12:09	13.4	7.05	2	4.26	S	Moderate	High
02/08/2024	11:01	13.1	7.11	2	3.81	S	Light	Low
03/08/2024	12:14	13.9	7.19	2	7.16	S	Light	Mid

Date	Time	H₂O Temp.	рН	Salinity	Dissolved Oxygen	Wind Direction	Wind Strength	Tie	des
dd/mm/yyyy	hh:mm	°C		g/m³	g/m³			Height	Ebb / Flow
11/08/2024	09:45:00	16.2	6.82	2	4.76	N	Light	High	Ebb
12/08/2024	10:18:00	15.6	7.01	2	4.38	N	Moderate	High	Ebb
13/08/2024	10:30:00	14.9	6.95	2	4.18	S	Moderate	High	Flood
14/08/2024	10:30:00	14.6	7.1	2	3.76	N	Light	High	Flood
	-	•	•	•					
15/08/2024	09:59:00	15.2	7.33	2	3.66	N	Moderate	High	Flood
16/08/2024	10:30:00	16	7.43	2	3.99	N	Moderate	High	Flood
17/08/2024	10:00:00	15.9	7.15	2	3.89	N	Light	Mid	Flood
18/08/2024	10:12:00	15.5	7.01	2	3.97	NW	Moderate	Mid	Flood
19/08/2024	09:51:00	12.7	6.88	2	3.35	NW	Light	Low	Flood
20/08/2024	11:23:00	14	6.92	2	4.13	None	None	Low	Flood
21/08/2024	10:11:00	14.9	6.95	2	4.15	N	Light	Low	Ebb
22/08/2024	10:29:00	14.8	7.1	2	4.2	N	Light	Low	Ebb
23/08/2024	10:08:00	14.9	7.23	2	4.3	N	Strong	High	Ebb
24/08/2024	10:28:00	14.8	7.1	2	6.55	N	Light	High	Ebb

Date	Time	H₂O Temp.	рН	Salinity	Wind Direction	Wind Strength	Tides	
dd/mm/yyyy	hh:mm	°C		g/m³			Height	Ebb / Flow
03/09/2024					NW	Strong	Low	$Ebb{\to}Flow$
04/09/2024					S	Moderate	Low	Ebb
05/09/2024					None	None	Low	Ebb
15/09/2024					N	Light	High	Ebb
16/09/2024					NW	Mod	Low	Flood
17/09/2024					S	Strong	Low	Flood
18/09/2024					S	Light	Low	Flood
19/09/2024					SW	Light	Low	Ebb

Table 24: Discharge Monitoring

### Condition (12)

Each day a discharge occurs and one day after the cease of a discharge the consent holder shall take representative grab samples of Waiwhetu Stream water at <del>two levels in the water column, namely 0.5 centimetres and 15</del> centimetres below the surface. The samples shall be collected from the true left bank of the Waiwhetu Stream at locations specified in Table 1.1: Table 1.1 Water quality monitoring locations

Site	NZTM			
Sile	Easting	Northing		
Immediately upstream of the Port Road Bridge Adjacent to the Waiwhetu Pa site and downstream of the public walkway Immediately downstream of the Bell Road Bridge	1759345 1759539 1760431	5433136 5433352 5433523		

The consent holder shall record the date, time (NZ standard time), weather (in particular wind direction and strength) and tidal conditions (low/medium/high and ebb/flood tide) at the stream mouth when the samples are taken. Where practicable, the sampling should be undertaken at least three hours after any ebb tide starts.

The samples shall be analysed for parameters specified in condition 14.

Note: This condition does not apply to overflows with a duration of less than one hour.

The following is a summary of the requirements listed in resource consent WGN120142 [33406] for discharges.

Upstream of Port Road Bridge

Date	Time	Enterococ ci	E. Coli	Faecal Coliforms	cBOD₅	Dissolved Reactive Phosphor us	Ammoniac al Nitrogen	Nitrate Nitrogen	Nitrite Nitrogen	Dissolved Copper	Dissolved Zinc
dd/mm/yy yy	hh:mm	cfu/ 100mL	cfu/ 100mL	cfu/100mL	g/m³	g/m³	g/m³	g/m³	g/m³	g/m³	g/m³
02/07/2024	12:32	1000	1000	200	6	0.008	0.02	0.17	0.1	0.008	0.004
03/07/2024	10:16	280	1000	460	6	0.009	0.05	0.14	0.1	0.0005	0.003
04/07/2024	10:25	140	1000	90	6	0.04	0.16	0.58	0.01	0.001	0.027
30/07/2024	14:23	6000	4000	4000	3	0.015	0.03	0.24	0.01	0.0047	0.076
31/07/2024	11:10	900	1000	1000	3	0.002	0.08	0.11	0.01	0.0005	0.003
01/08/2024	12:27	340	1000	1000	3	0.004	0.01	0.18	0.01	0.0005	0.003
02/08/202	11:24	6000	400000	6000	12	0.007	2.55	0.32	0.01	0.0011	0.036
03/08/202	12:37	150	1000	140	1	0.016	0.02	0.23	0.01	0.0005	0.004

Waiwhetu Pa Site

Date	Time	Enterococ ci	E. Coli	Faecal Coliforms	cBOD₅	Dissolved Reactive Phosphor us	Ammoniac al Nitrogen	Nitrate Nitrogen	Nitrite Nitrogen	Dissolved Copper	Dissolved Zinc
dd/mm/yy yy	hh:mm	cfu/ 100mL	cfu/ 100mL	cfu/100mL	g/m³	g/m³	g/m³	g/m³	g/m³	g/m³	g/m³
02/07/2024	12:18	6000	15000	2000	6	0.072	1.84	0.24	0.1	0.0015	0.017
03/07/2024	10:07	5800	1000	3000	6	0.045	0.2	0.45	0.01	0.0032	0.019
04/07/2024	10:16	3400	2000	1700	6	0.037	0.18	0.57	0.01	0.0017	0.056
30/07/2024	14:05	6000	4000	4800	3	0.018	0.06	0.25	0.01	0.0046	0.078
31/07/2024	11:00	6000	7000	6000	5	0.005	1.71	0.18	0.01	0.0007	0.009
01/08/2024	12:19	3600	6000	5500	3	0.003	0.49	0.18	0.01	0.0005	0.005
02/08/202	11:13	3000	4000	4000	3	0.037	0.09	0.45	0.01	0.0018	0.067
03/08/202	12:26	240	1000	390	2	0.013	0.03	0.27	0.01	0.0005	0.005

#### Table 8: Discharge Monitoring

Date	Time	H₂O Temp.	рН	Salinity	Dissolved Oxygen	Wind Direction	Wind Strength	Tide	Sea Conditions
dd/mm/yyyy	hh:mm	°C	-	g/m³	g/m³		ł		
02/07/2024	12:18	11.4	7.2	2	10.39	S	Moderate	High	Flood
03/07/2024	10:07	9.8	7.09	2	9.71	S	Strong	Low	Flood
04/07/2024	10:16	10.4	7.22	2	9.17	S	Light	Low	Flood
30/07/2024	14:05	12.4	7.1	2	10.18	S	Moderate	High	Ebb
31/07/2024	11:00	10.6	7.19	2	11.27	S	Light	Mid	Flood
01/08/2024	12:19	9.8	7.22	2	12.32	S	Moderate	High	Flood
02/08/202	11:13	10.3	6.89	2	10.91	S	Light	Low	Flood
03/08/202	12:26	11.6	6.97	2	9.24	S	Light	Mid	Flood

Table 9: Discharge Monitoring

Downstream of Bell Road Bridge

Date	Time	Enterococ ci	E. Coli	Faecal Coliforms	cBOD₅	Dissolved Reactive Phosphor us	Ammoniac al Nitrogen	Nitrate Nitrogen	Nitrite Nitrogen	Dissolved Copper	Dissolved Zinc
dd/mm/yy yy	hh:mm	cfu/ 100mL	cfu/ 100mL	cfu/100mL	g/m³	g/m³	g/m³	g/m³	g/m³	g/m³	g/m³
02/07/2024	11:57	6000	5000	500	6	0.032	0.09	0.47	0.1	0.0041	0.052
03/07/2024	9:28	6000	1000	2000	6	0.022	0.13	0.97	0.01	0.0032	0.028
04/07/2024	9:41	6000	15000	5500	3	0.056	0.12	0.35	0.02	0.0076	0.064
30/07/2024	14:12	6000	10000	6000	8	0.012	0.01	0.25	0.01	0.0063	0.033
31/07/2024	10:26	5400	1000	2600	3	0.006	0.04	0.39	0.01	0.0036	0.045
01/08/2024	11:16	2200	2000	1600	3	0.031	0.06	0.54	0.01	0.0045	0.065
02/08/202	10:43	800	8000	1200	1	0.012	0.06	0.24	0.01	0.0012	0.038
03/08/202	11:53	2100	1000	240	1	0.078	0.07	1.07	0.01	0.0043	0.033

#### Downstream of Bell Road Bridge

Date	Time	Enterococ ci	E. Coli	Faecal Coliforms	cBOD₅	Dissolved Reactive Phosphor us	Ammoniac al Nitrogen	Nitrate Nitrogen	Nitrite Nitrogen	Dissolved Copper	Dissolved Zinc
dd/mm/yy yy	hh:mm	cfu/ 100mL	cfu/ 100mL	cfu/100mL	g/m³	g/m³	g/m³	g/m³	g/m³	g/m³	g/m³
11/08/2024	10:42:00	1200	1000	520	1	0.033	0.18	0.39	<0.1	0.0012	0.032
12/08/2024	12:10:00	3600	12000	6000	4	0.392	5.8	0.11	<0.01	0.001	0.022
13/08/2024	12:30:00	2600	13000	6000	7	1.04	9.99	0.36	<0.01	0.0021	0.023
14/08/2024	12:15:00	4300	12000	6000	7	0.78	7.1	0.3	<0.01	0.0013	0.019
15/08/2024	09:27:00	1500	4000	3600	3	0.031	0.9	0.47	<0.01	0.0008	0.021
16/08/2024	10:06:00	1000	4000	5000	1	0.065	1.42	0.41	0.01	0.0007	0.024
17/08/2024	11:49:00	2600	17000	6000	2	0.137	2.3	0.44	<0.01	0.0016	0.036
18/08/2024	11:40:00	5200		8000	3	0.021	0.44	0.29	0.01	0.0032	0.05
19/08/2024	10:26:00	6000	4000	2400	6	0.03	0.03	0.68	<0.01	0.0023	0.036
20/08/2024	10:37:00	4000	3000	400	6	0.064	0.09	1.15	<0.01	0.0041	0.033
21/08/2024	09:39:00	340	1000	1100	6	0.034	0.12	0.51	0.01	0.0007	0.022
22/08/2024	09:53:00	250	2000	1600	6	0.038	0.14	0.56	0.01	0.0014	0.028
23/08/2024	09:38:00	3000	5000	6000	3	0.23	2.86	0.36	<0.01	0.001	0.028
24/08/2024	10:14:00	4200	3000	2400	3	0.022	0.16	0.26	<0.01	0.0022	0.035

#### Table 8: Discharge Monitoring

Date	Time	H₂O Temp.	рН	Salinity	Dissolved Oxygen	Wind Direction	Wind Strength	Tide	Sea Conditions
dd/mm/yyyy	hh:mm	°C		g/m³	g/m³			-	
11/08/2024	10:42:00	12.6	7.01	3	8.79	Ν	Light	High	Ebb
12/08/2024	12:10:00	12.8	6.97	8	9.16	N	Moderate	High	Ebb
13/08/2024	12:30:00	12.4	7.03	4	9.35	S	Moderate	High	Ebb
14/08/2024	12:15:00	14.1	7.01	5	11.87	N	Light	High	Ebb
15/08/2024	09:27:00	11.4	7.15	3	9.16	N	Moderate	High	Flood
16/08/2024	10:06:00	13.4	7.31	6	11.08	N	Moderate	High	Flood
17/08/2024	11:49:00	14.5	6.95	4	8.98	N	Light	Mid	Flood
18/08/2024	11:40:00	13.9	6.95	2	8.29	NW	Moderate	Mid	Flood
19/08/2024	10:26:00	9.8	6.61	2	11.1	NW	Light	Low	Flood
20/08/2024	10:37:00	12.3	7.14	2	8.75	None	None	Low	Flood
21/08/2024	09:39:00	10.2	7.1	2	9.49	N	Light	Low	Ebb
22/08/2024	09:53:00	11.1	7.28	2	8.75	N	Light	Mid	Ebb
23/08/2024	09:38:00	12.6	7.18	4	8.88	N	Strong	High	Ebb
24/08/2024	10:14:00	13.3	6.95	2	10.35	N	Light	High	Ebb

Table 9: Discharge Monitoring

#### Upstream of Port Road Bridge

Date	Time	Enterococ ci	E. Coli	Faecal Coliforms	cBOD₅	Dissolved Reactive Phosphor us	Ammoniac al Nitrogen	Nitrate Nitrogen	Nitrite Nitrogen	Dissolved Copper	Dissolved Zinc
dd/mm/yy yy	hh:mm	cfu/ 100mL	cfu/ 100mL	cfu/100mL	g/m³	g/m³	g/m³	g/m³	g/m³	g/m³	g/m³
11/08/2024	09:36:00	2200	6000	5500	6	0.602	7.74	0.01	<0.01	0.0011	0.008
12/08/2024	12:39:00	6000	20000	> 6000	14	1.09	14.00	0.01	<0.01	0.0014	0.011
13/08/2024	13:10:00	4000	20000	> 6000	12	1.49	15.70	0.01	<0.01	0.0013	0.006
14/08/2024	12:49:00	> 6000	66000	> 6000	17	1.55	14.70	0.01	<0.01	0.0013	0.009
15/08/2024	10:23:00	10000	40000	30000	12	0.78	9.49	0.01	<0.01	0.0011	0.007
16/08/2024	11:01:00	> 6000	200000	> 6000	6	1.29	15.80	0.01	<0.01	0.0013	0.008
17/08/2024	12:14:00	800	< 1000	2300	2	0.032	0.48	0.01	<0.01	<0.0005	0.002
18/08/2024	11:55:00	200	200	300	6	0.005	<0.01	0.01	<0.01	<0.0005	0.005
19/08/2024	10:52:00	> 6000	25000	> 6000	6	0.087	3.97	0.01	<0.01	0.0017	0.028
20/08/2024	11:55:00	> 6000	34000	> 6000	9	0.547	9.95	0.01	<0.01	0.0012	0.011
21/08/2024	11:04:00	> 6000	43000	> 6000	7	0.622	7.41	0.01	<0.01	<0.0005	0.014
22/08/2024	11:04:00	3400	19000	> 6000	9	0.445	6.51	0.01	<0.01	0.0012	0.018
23/08/2024	10:50:00	3000	30000	> 6000	8	0.559	7.61	0.01	<0.01	0.0012	0.018
24/08/2024	10:57:00	3000	1000	3200	3	0.037	0.23	0.01	0.01	0.0017	0.043

Table 4: Discharge Monitoring

Date	Time	H₂O Temp.	pН	Salinity	Dissolved Oxygen	Wind Direction	Wind Strength	Tide	Sea Conditions
dd/mm/yyyy	hh:mm	°C		g/m <sup>3</sup>	g/m <sup>3</sup>				
11/08/2024	09:36:00	12.3	7	6	10.67	N	Light	High	Flood
12/08/2024	12:39:00	13.3	9.29	6	7.02	N	Moderate	Mid	Ebb
13/08/2024	13:10:00	13.4	7.05	3	9.86	S	Moderate	High	Flood
14/08/2024	12:49:00	13	7.08	7	9.53	N	Light	High	Ebb
15/08/2024	10:23:00	12.8	7.91	9	10.49	N	Moderate	High	Flood
16/08/2024	11:01:00	14	7.43	10	9.8	N	Moderate	High	Flood
17/08/2024	12:14:00	12.14	7.11	7	11.89	N	Light	High	Flood
18/08/2024	11:55:00	11.6	7.1	3	11.69	NW	Moderate	Mid	Flood
19/08/2024	10:52:00	11	6.86	2	9.53	NW	Light	Low	Flood
20/08/2024	11:55:00	13.5	6.83	2	8.23	None	None	Low	Flood
21/08/2024	11:04:00	12.9	6.97	2	8.86	N	Light	Low	Ebb
22/08/2024	11:04:00	11.9	7.15	3	9.1	N	Light	Low	Ebb
23/08/2024	10:50:00	12.7	6.89	8	9.38	N	Strong	Mid	Ebb
24/08/2024	10:57:00	13.2	7.05	3	10.17	N	Light	High	Ebb

Table 5: Discharge Monitoring

#### Waiwhetu Pa Site

Date	Time	Enterococ ci	E. Coli	Faecal Coliforms	cBOD₅	Dissolved Reactive Phosphor us	Ammoniac al Nitrogen	Nitrate Nitrogen	Nitrite Nitrogen	Dissolved Copper	Dissolved Zinc
dd/mm/yy yy	hh:mm	cfu/ 100mL	cfu/ 100mL	cfu/100mL	g/m³	g/m³	g/m³	g/m³	g/m³	g/m³	g/m³
11/08/2024	10:55:00	700	2000	2000	2	0.132	1.98	0.01	<0.01	0.0008	0.01
12/08/2024	12:21:00	2800	14000	6000	7	0.645	9.32	0.01	<0.01	0.0012	0.011
13/08/2024	12:49:00	100	9000	6000	9	0.998	9.26	0.01	<0.01	0.0012	0.006
14/08/2024	12:28:00	6000	40000	6000	10	1.23	11	0.01	<0.01	0.0012	0.017
15/08/2024	10:11:00	7000	36000	20000	11	0.72	8.09	0.01	<0.01	0.001	0.008
16/08/2024	10:51:00	6000	200000	6000	6	0.746	10.4	0.01	<0.01	0.0013	0.009
17/08/2024	11:58:00	6000	34000	6000	14	0.655	7.54	0.01	<0.01	0.0006	0.005
18/08/2024	11:47:00	10000		30000	16	1.14	15.7	0.01	<0.01	0.0012	0.009
19/08/2024	10:10:00	6000	1000	2000	3	0.032	0.03	0.01	<0.01	0.0021	0.043
20/08/2024	11:42:00	2000	3000	2000	6	0.022	0.17	0.01	<0.01	0.001	0.028
21/08/2024	10:45:00	1200	4000	5300	4	0.096	0.84	0.01	<0.01	<0.0005	0.014
22/08/2024	10:45:00	2200	16000	6000	3	0.177	2.86	0.01	<0.01	0.0007	0.02
23/08/2024	10:37:00	3000	10000	6000	6	0.347	3.98	0.01	<0.01	0.001	0.02
24/08/2024	10:48:00	3400	1000	4500	3	0.042	0.28	0.01	<0.01	0.0019	0.045
				Tab	le 6: Discha	arge Monito	ring				

Results for the remaining discharges are provided in Appendix

### Condition (14)

The samples collected in accordance with conditions 11 and 12 shall be analysed for:

- Faecal coliforms (cfu/100mL)
- Carbonaceous biochemical oxygen demand (cBODs) (g/m<sup>3</sup>)
- Escherichia coli (no./100mL)
- Enterococci (no./100mL)
- Dissolved reactive phosphorus (g/m<sup>3</sup>)
- Ammoniacal nitrogen (g/m<sup>3</sup>)
- Nitrate nitrogen (g/m<sup>3</sup>), and
- Nitrite nitrogen (g/m<sup>3</sup>)

In addition, on each sampling occasion at the three locations along the Waiwhetu Stream as described in condition 12 the consent holder shall ensure the following in-situ measurements are recorded:

- Water temperature
- pH
- Salinity, and
- Dissolved oxygen.

An assessment of the above results shall be provided in the annual report required by condition 25. Copies of the water quality monitoring results shall be provided in both electronic and hardcopy format to the Manager, Environmental Regulation, Wellington Regional Council upon request.

The analytical results listed as requirements in this condition can be found under Condition 11 & 12.

### Condition (15)

- a) The discharge shall not result in any of the following effects on the water of the Waiwhetu Stream beyond the reasonable mixing zone boundary defined as 1 00m downstream of the Waiwhetu Stream outfall (i.e. immediately upstream of Port Road Bridge) and 100m upstream the Waiwhetu Stream outfall (i.e. adjacent to Lot 2 DP 421395):
  - 1) The production of any conspicuous oil or grease or grease films, scums or foams or floatable or suspended materials, or
  - 2) Any conspicuous change in colour or clarity
  - 3) Any emission of objectionable odour, or
  - 4) Any significant adverse effects on aquatic life
- b) During each sampling event required by condition 12, the consent holder shall take photographs of the point of discharge and immediate receiving waters around the point of discharge to show the presence of any of effects (1-4) listed in condition 15 (a) and any obvious undesirable biological growths or visible die-offs.

The consent holder shall forward to the Manager, Environmental Regulation, Wellington Regional Council a copy of the photographs in the annual report required by condition 25 of this consent or upon request.

None of the effects listed above was observed in the receiving waters. Photos can be supplied if requested.

## Condition (16)

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

- Name and address of complainant (if provided)
- Identification of the nature of the complaint
- Date and time of the complaint and of the alleged event
- Weather conditions at the time of the alleged event, and
- Any measures taken to address the cause of the complaint

The consent holder shall notify the Manager, Environmental Regulation, Wellington Regional Council of any complaints relating to the exercise of this consent, within 24 hours of being received by the consent holder or the next working day.

Notification can be sent to the Manager, Environmental Regulation, Wellington Regional Council at notifications@gw.govt.nz. Please include the consent reference WGN120142 [31523] and the name and phone number of a contact person responsible for the discharge. The consent holder shall forward to the Manager, Environmental Regulation, Wellington Regional Council a copy of the complaints record, in the annual report required by condition 25 of this consent.

There was one complaint in August regarding visible foam in the Waiwhetu Stream while the plant was discharging due to repairs on the Outfall. Particulars relating to the complainant are held and can be provided on request.

### WGN120142 [33407]

### Condition (17)

- a) Discharges associated with planned or unplanned repairs shall not result in any of the following effects on the water of the Wellington Harbour beyond 30m radius of each scour valve:
  - 1) The production of any conspicuous oil or grease films, scums or foams, or floatable or suspended materials; or
  - 2) Any conspicuous change in colour or clarity; or
  - 3) Any emission of objectionable odour; or
  - 4) Any significant adverse effects on aquatic life
- b) During a scour valve discharge, the consent holder shall take photographs of a scour valve and immediate receiving waters around the point of discharge to show the presence of effects (1-4) listed in condition 17 (a) and any obvious undesirable biological growths or visible die-offs.

The consent holder shall identify and take photographs of a control site for comparison. This control site shall be at least 1 00m from any stormwater or stream outfall.

The consent holder shall forward to the Manager, Environmental Regulation, Wellington Regional Council a copy of the photographs in the annual report required by condition 30 of this consent.

Photographs were taken and are available upon request. None of the effects listed above were observed during the discharges

### Condition (18)

Pipeline leaks associated with a temporary repair and/or minor leaks that enter any water shall not result in any of the following effects on the waters of the Wellington Harbour beyond a 10 m radius of each discharge point:

- The production of any conspicuous oil or grease films, scums or foams, or floatable or suspended materials, or
- Any conspicuous change in colour or clarity, or
- Any emission of objectionable odour, or
- Any significant adverse effects on aquatic life

None of the effects listed above were observed.

### Condition (19)

During the summer bathing season (1 November to 30 April inclusive) the consent holder shall collect daily water samples 30m either side of a scour valve discharging to the sea. Samples shall continue to be collected for two days following the cease of the discharge or to the satisfaction of the Manager, Environmental Regulation, Wellington Regional Council.

Samples shall be collected at 0-5 centimetres and 15 centimetres below the surface of the water. The samples shall be analysed for faecal coliform and enterococci bacteria.

The consent holder shall record the date, time (NZ standard time), weather (in particular wind direction and strength), tidal conditions (low/medium/high) and location the samples are taken.

Note: This monitoring is required to allow actions to be taken during the summer bathing season if the results don't meet Microbiological Water Quality Guidelines for Marine and Freshwater Recreational Areas (June 2003), including the possible requirement to close beaches. Note that no single water sample should contain greater than 140 enterococci/100mL to meet these water quality guidelines.

Not applicable in this reporting period.

### Condition (22)

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

- Name and address of complainant (if provided)
- Identification of the nature of the complaint
- Date and time of the complaint and of the alleged event
- Weather and tidal conditions at the time of the alleged event, and
- Any measures taken to address the cause of the complaint

The consent holder shall notify the Manager, Environmental Regulation, Wellington Regional Council of any complaints relating to the exercise of this consent, within 24 hours of being received by the consent holder or the next working day.

Notification can be sent to the Manager, Environmental Regulation, Wellington Regional Council at notifications@gw.govt.nz. Please include the consent reference WGN120142 [31524] and the name and phone number of a contact person responsible for the discharge.

The consent holder shall forward to the Manager, Environmental Regulation, Wellington Regional Council a copy of the complaints record, in the annual report required by condition 30 of this consent.

No complaints were received regarding this resource consent for the reporting period.

### WGN120142 [33408]

### Condition (11)

Within two working days of the discharge stopping, the consent holder shall submit details of each discharge event in a suitable electronic format to Manager, Environmental Regulation, Wellington Regional Council at notifications@gw.govt.nz and rec-wq@gw.govt.nz and Regional Public Health at healthprotection@huttvalleydhb.org.nz.

Details shall include but not be limited to:

- Cause of the discharge (e.g. associated with planned or unplanned repairs)
- Location of the discharge
- Start date and time of the discharge
- End date and time of the discharge
- Maximum flow (L/s)
- Mean flow (L/s)
- Daily volume (m<sup>3</sup>)
- Contact person for further information regarding the discharge, and
- Continuous flow records (m<sup>3</sup>/s) during the discharge period as measured by the consent holder as required by condition 13

GWRC as regulator issued a please explain with regard to the discharge on 15 September. An investigation was undertaken and a response provided on 15 October 2024.

		Discharge f	to Waiwhetu eam	Flow in V Str	Vaiwhetu eam	Total		
Date	Duration	Average Flow	Peak Flow	Average Flow	Peak Flow	Discharge	Consented	Cause
dd/mm/yyyy	hh:mm	L/s	L/s	m³/s	m³/s	m³	Y/N	
11/08/2024	309:25	739	2454	1.5	18.8	822911	Y	Unplanned repairs to Outfall
15/09/2024	8:20	257	536	2.2	6.0	7714	Y	Effluent pumps shut-down

### Condition (14)

The consent holder shall take a grab sample of treated wastewater as it leaves the treatment plant prior to entering the discharge pipe each day the discharge occurs. The samples shall be analysed for parameters specified in condition 16.

The following is a summary of the treated wastewater samples prior to entering the overflow pipe each day that a discharge has occurred.

#### Effluent

Date	Time	Enterococci	E. Coli	Faecal Coliforms	cBOD₅	Dissolved Reactive Phosphorus	Ammoniaca I Nitrogen	Nitrate Nitrogen	Nitrite Nitrogen	Dissolved Copper	Dissolved Zinc
dd/mm/yyyy	hh:mm	cfu/ 100mL	cfu/ 100mL	cfu/100mL	g/m³	g/m³	g/m³	g/m³	g/m³	g/m³	g/m³
11/08/2024	09:45:00	> 6000	21000	> 6000	15	1.39	22.5	0.01	<0.01	0.0022	0.011
12/08/2024	10:18:00	> 6000	24000	> 6000	25	1.59	23.8	0.01	<0.01	0.0021	0.009
13/08/2024	10:30:00	2000	40000	> 6000	19	2.42	24.2	0.01	<0.01	0.0025	0.014
14/08/2024	10:30:00	> 6000	220000	> 6000	26	2.82	26.2	0.01	<0.01	0.0015	0.008
15/08/2024	09:59:00	20000	200000	60000	24	2.32	25.3	0.01	<0.01	0.0021	0.015
16/08/2024	10:30:00	> 6000	140000	> 6000	14	1.94	28.6	0.01	<0.01	0.0023	0.011
17/08/2024	10:00:00	> 6000	52000	> 6000	38	2.27	26.9	0.01	<0.01	0.0029	0.009
18/08/2024	10:12:00	25000		20000	26	1.54	22.6	0.01	<0.01	0.0015	0.007
19/08/2024	09:51:00	> 6000	20000	> 6000	11	0.102	7.9	0.01	<0.01	0.0011	0.01
20/08/2024	11:23:00	> 6000	160000	> 6000	14	0.703	12.8	0.01	<0.01	0.0011	0.012
21/08/2024	10:11:00	> 6000	1000	> 6000	14	1.24	14.5	0.01	<0.01	0.0008	0.008
22/08/2024	10:29:00	> 6000	450000	> 6000	18	1.09	18.3	0.01	<0.01	0.0021	0.007
23/08/2024	10:08:00	6000	50000	> 6000	44	1.25	21.9	0.01	<0.01	0.0027	0.012
24/08/2024	10:28:00	> 6000	35000	> 6000	14	0.338	12.5	0.01	<0.01	0.0017	0.008

#### Table 2: Discharge Monitoring

Date	Time	H₂O Temp.	рН	Salinity	Dissolved Oxygen	Wind Direction	Wind Strength	Tide	Sea Conditions
dd/mm/yyyy	hh:mm	°C		g/m³	g/m³				
11/08/2024	09:45:00	16.2	6.82	2	4.76	N	Light	High	Ebb
12/08/2024	10:18:00	15.6	7.01	2	4.38	N	Moderate	High	Ebb
13/08/2024	10:30:00	14.9	6.95	2	4.18	S	Moderate	High	Flood
14/08/2024	10:30:00	14.6	7.1	2	3.76	N	Light	High	Flood
15/08/2024	09:59:00	15.2	7.33	2	3.66	N	Moderate	High	Flood
16/08/2024	10:30:00	16	7.43	2	3.99	N	Moderate	High	Flood
17/08/2024	10:00:00	15.9	7.15	2	3.89	N	Light	Mid	Flood
18/08/2024	10:12:00	15.5	7.01	2	3.97	NW	Moderate	Mid	Flood
19/08/2024	09:51:00	12.7	6.88	2	3.35	NW	Light	Low	Flood
20/08/2024	11:23:00	14	6.92	2	4.13	None	None	Low	Flood
21/08/2024	10:11:00	14.9	6.95	2	4.15	N	Light	Low	Ebb
22/08/2024	10:29:00	14.8	7.1	2	4.2	N	Light	Low	Ebb
23/08/2024	10:08:00	14.9	7.23	2	4.3	N	Strong	High	Ebb
24/08/2024	10:28:00	14.8	7.1	2	6.55	N	Light	High	Ebb

#### Table 3: Discharge Monitoring

Date	Time	Enteroc occi	E. Coli	Faecal Coliforms	cBOD₅	Dissolved Reactive Phosphor us	Ammoniac al Nitrogen	Nitrate Nitrogen	Nitrite Nitrogen	Dissolved Copper	Dissolved Zinc
d/m/y	hh:mm	cfu/ 100mL	cfu/ 100mL	cfu/100mL	g/m³	g/m³	g/m³	g/m³	g/m³	g/m³	g/m³
15/09/2024	14:06	2300	1000	2300	17	0.393	15.9	0.01	0.01	0.0012	0.006

#### Table 3: Discharge Monitoring

Date	Time	H2O Temp.	pН	Salinity	Dissolved Oxygen	Wind Direction	Wind Strength	Tide	Sea Conditions
dd/mm/yyyy	hh:mm	oC		g/m3	g/m3				
15/09/2024	14:06	16.5	7.29	2	9.11	N	Light	High	Clear

Table 4: Discharge Monitoring

### Condition (15)

The consent holder shall take grab samples of Waiwhetu Stream water three times per week (i.e. every Monday, Wednesday and Friday) and one day after the discharge has ceased at two levels in the water column, namely 0.5 centimetres and 15 centimetres below the surface. The samples shall be collected the locations specified in Table 1.1: Table 1.1: Water quality monitoring locations

Site	NZTM				
On the True left bank of the Waiwhetu Stream at:	Easting	Northing			
<ul> <li>a) Immediately upstream of the Port Road Bridge</li> <li>b) Adjacent to the Waiwhetu Pa site and downstream of the public walkway</li> <li>c) Immediately downstream of the Bell Road Bridge</li> </ul>	1759345 1759539 1760431	5433136 5433352 5433523			
On the true left bank of the Hutt River at:					
50m upstream of the Waiwhetu Stream mouth 50m downstream of the Waiwhetu Stream mouth (1)	1759318 1759313	5433191 5433070			

(1) The sample shall be taken immediately upstream of the stormwater drain located on the foreshore of the Hutt River.

The consent holder shall record the date, time (NZ standard time), weather (in particular wind direction and strength) and tidal conditions (low/medium/high and ebb/flood tide) at the stream mouth when the samples are taken. Where practicable, the sampling should be undertaken at least three hours after any ebb tide starts.

The samples shall be analysed for parameters specified in condition 16.

Note: Samples may not be able to be collected from the Hutt River following heavy rainfall events due to the health and safety risk.

#### Waiwhetu Stream - Upstream of Port Road Bridge

Date	Time	Enterococ ci	E. Coli	Faecal Coliforms	cBOD₅	Dissolved Reactive Phosphor us	Ammoniac al Nitrogen	Nitrate Nitrogen	Nitrite Nitrogen	Dissolved Copper	Dissolved Zinc
dd/mm/yyyy	hh:mm	cfu/ 100mL	cfu/ 100mL	cfu/100mL	g/m³	g/m³	g/m³	g/m³	g/m³	g/m³	g/m³
11/08/2024	09:36:00	2200	6000	5500	6	0.602	7.74	0.01	<0.01	0.0011	0.008
12/08/2024	12:39:00	6000	20000	> 6000	14	1.09	14.00	0.01	<0.01	0.0014	0.011
13/08/2024	13:10:00	4000	20000	> 6000	12	1.49	15.70	0.01	<0.01	0.0013	0.006
14/08/2024	12:49:00	> 6000	66000	> 6000	17	1.55	14.70	0.01	<0.01	0.0013	0.009
15/08/2024	10:23:00	10000	40000	30000	12	0.78	9.49	0.01	<0.01	0.0011	0.007
16/08/2024	11:01:00	> 6000	200000	> 6000	6	1.29	15.80	0.01	<0.01	0.0013	0.008
17/08/2024	12:14:00	800	< 1000	2300	2	0.032	0.48	0.01	<0.01	<0.0005	0.002
18/08/2024	11:55:00	200	200	300	6	0.005	<0.01	0.01	<0.01	<0.0005	0.005
19/08/2024	10:52:00	> 6000	25000	> 6000	6	0.087	3.97	0.01	<0.01	0.0017	0.028
20/08/2024	11:55:00	> 6000	34000	> 6000	9	0.547	9.95	0.01	<0.01	0.0012	0.011
21/08/2024	11:04:00	> 6000	43000	> 6000	7	0.622	7.41	0.01	<0.01	<0.0005	0.014
22/08/2024	11:04:00	3400	19000	> 6000	9	0.445	6.51	0.01	<0.01	0.0012	0.018
23/08/2024	10:50:00	3000	30000	> 6000	8	0.559	7.61	0.01	<0.01	0.0012	0.018
24/08/2024	10:57:00	3000	1000	3200	3	0.037	0.23	0.01	0.01	0.0017	0.043

**Table 4: Discharge Monitoring** 

Date	Time	H₂O Temp.	рН	Salinity	Dissolved Oxygen	Wind Direction	Wind Strength	Tide	Sea Conditions
dd/mm/yyyy	hh:mm	°C		g/m³	g/m³				
11/08/2024	09:36:00	12.3	7	6	10.67	N	Light	High	Flood
12/08/2024	12:39:00	13.3	9.29	6	7.02	N	Moderate	Mid	Ebb
13/08/2024	13:10:00	13.4	7.05	3	9.86	S	Moderate	High	Flood
14/08/2024	12:49:00	13	7.08	7	9.53	N	Light	High	Ebb
15/08/2024	10:23:00	12.8	7.91	9	10.49	N	Moderate	High	Flood
16/08/2024	11:01:00	14	7.43	10	9.8	N	Moderate	High	Flood
17/08/2024	12:14:00	12.14	7.11	7	11.89	N	Light	High	Flood
18/08/2024	11:55:00	11.6	7.1	3	11.69	NW	Moderate	Mid	Flood
19/08/2024	10:52:00	11	6.86	2	9.53	NW	Light	Low	Flood
20/08/2024	11:55:00	13.5	6.83	2	8.23	None	None	Low	Flood
21/08/2024	11:04:00	12.9	6.97	2	8.86	N	Light	Low	Ebb
22/08/2024	11:04:00	11.9	7.15	3	9.1	N	Light	Low	Ebb
23/08/2024	10:50:00	12.7	6.89	8	9.38	N	Strong	Mid	Ebb
24/08/2024	10:57:00	13.2	7.05	3	10.17	N	Light	High	Ebb

Table 5: Discharge Monitoring

#### Waiwhetu Pa Site

Date	Time	Enterococ ci	E. Coli	Faecal Coliforms	cBOD₅	Dissolved Reactive Phosphor us	Ammoniac al Nitrogen	Nitrate Nitrogen	Nitrite Nitrogen	Dissolved Copper	Dissolved Zinc
dd/mm/yy yy	hh:mm	cfu/ 100mL	cfu/ 100mL	cfu/100mL	g/m³	g/m³	g/m³	g/m³	g/m³	g/m³	g/m³
11/08/2024	10:55:00	700	2000	2000	2	0.132	1.98	0.01	<0.01	0.0008	0.01
12/08/2024	12:21:00	2800	14000	6000	7	0.645	9.32	0.01	<0.01	0.0012	0.011
13/08/2024	12:49:00	100	9000	6000	9	0.998	9.26	0.01	<0.01	0.0012	0.006
14/08/2024	12:28:00	6000	40000	6000	10	1.23	11	0.01	<0.01	0.0012	0.017
15/08/2024	10:11:00	7000	36000	20000	11	0.72	8.09	0.01	<0.01	0.001	0.008
16/08/2024	10:51:00	6000	200000	6000	6	0.746	10.4	0.01	<0.01	0.0013	0.009
17/08/2024	11:58:00	6000	34000	6000	14	0.655	7.54	0.01	<0.01	0.0006	0.005
18/08/2024	11:47:00	10000		30000	16	1.14	15.7	0.01	<0.01	0.0012	0.009
19/08/2024	10:10:00	6000	1000	2000	3	0.032	0.03	0.01	<0.01	0.0021	0.043
20/08/2024	11:42:00	2000	3000	2000	6	0.022	0.17	0.01	<0.01	0.001	0.028
21/08/2024	10:45:00	1200	4000	5300	4	0.096	0.84	0.01	<0.01	<0.0005	0.014
22/08/2024	10:45:00	2200	16000	6000	3	0.177	2.86	0.01	<0.01	0.0007	0.02
23/08/2024	10:37:00	3000	10000	6000	6	0.347	3.98	0.01	<0.01	0.001	0.02
24/08/2024	10:48:00	3400	1000	4500	3	0.042	0.28	0.01	<0.01	0.0019	0.045

Table 6: Discharge Monitoring

Date	Time	H₂O Temp.	рН	Salinity	Dissolved Oxygen	Wind Direction	Wind Strength	Tide	Sea Conditions
dd/mm/yyyy	hh:mm	°C		g/m³	g/m³				
11/08/2024	10:55:00	12.1	7.06	5	12.07	Ν	Light	High	Ebb
12/08/2024	12:21:00	12.6	7.04	8	10.12	Ν	Moderate	High	Ebb
13/08/2024	12:49:00	13.4	7.12	4	11.96	S	Moderate	High	Flood
14/08/2024	12:28:00	14.4	7	8	11.89	Ν	Light	High	Ebb
15/08/2024	10:11:00	13.3	7.52	12	11.25	N	Moderate	High	Flood

16/08/2024	10:51:00	13.9	7.46	11	10.17	N	Moderate	High	Flood
17/08/2024	11:58:00	13.7	7.3	4	11.38	N	Light	Mid	Flood
18/08/2024	11:47:00	14.4	7.12	2	9.45	NW	Moderate	Mid	Flood
19/08/2024	10:10:00	9.9	6.93	2	10.65	NW	Light	Low	Flood
20/08/2024	11:42:00	11.2	6.82	2	8.74	None	None	Low	Flood
21/08/2024	10:45:00	11.2	6.84	2	8.72	N	Light	Low	Ebb
22/08/2024	10:45:00	11.8	6.94	3	8.65	N	Light	Low	Ebb
23/08/2024	10:37:00	12.4	6.89	9	9.65	N	Strong	High	Ebb
24/08/2024	10:48:00	13.8	6.99	3	10.32	N	Light	High	Ebb

#### Table 7: Discharge Monitoring

#### Downstream of Bell Road Bridge

Date	Time	Enterococ ci	E. Coli	Faecal Coliforms	cBOD₅	Dissolved Reactive Phosphor us	Ammoniac al Nitrogen	Nitrate Nitrogen	Nitrite Nitrogen	Dissolved Copper	Dissolved Zinc
dd/mm/yy yy	hh:mm	cfu/ 100mL	cfu/ 100mL	cfu/100mL	g/m³	g/m³	g/m³	g/m³	g/m³	g/m³	g/m³
11/08/2024	10:42:00	1200	1000	520	1	0.033	0.18	0.39	<0.1	0.0012	0.032
12/08/2024	12:10:00	3600	12000	6000	4	0.392	5.8	0.11	<0.01	0.001	0.022
13/08/2024	12:30:00	2600	13000	6000	7	1.04	9.99	0.36	<0.01	0.0021	0.023
14/08/2024	12:15:00	4300	12000	6000	7	0.78	7.1	0.3	<0.01	0.0013	0.019
15/08/2024	09:27:00	1500	4000	3600	3	0.031	0.9	0.47	<0.01	0.0008	0.021
16/08/2024	10:06:00	1000	4000	5000	1	0.065	1.42	0.41	0.01	0.0007	0.024
17/08/2024	11:49:00	2600	17000	6000	2	0.137	2.3	0.44	<0.01	0.0016	0.036
18/08/2024	11:40:00	5200		8000	3	0.021	0.44	0.29	0.01	0.0032	0.05
19/08/2024	10:26:00	6000	4000	2400	6	0.03	0.03	0.68	<0.01	0.0023	0.036
20/08/2024	10:37:00	4000	3000	400	6	0.064	0.09	1.15	<0.01	0.0041	0.033
21/08/2024	09:39:00	340	1000	1100	6	0.034	0.12	0.51	0.01	0.0007	0.022
22/08/2024	09:53:00	250	2000	1600	6	0.038	0.14	0.56	0.01	0.0014	0.028
23/08/2024	09:38:00	3000	5000	6000	3	0.23	2.86	0.36	<0.01	0.001	0.028
24/08/2024	10:14:00	4200	3000	2400	3	0.022	0.16	0.26	<0.01	0.0022	0.035

Table 8: Discharge Monitoring

Date	Time	H₂O Temp.	рН	Salinity	Dissolved Oxygen	Wind Direction	Wind Strength	Tide	Sea Conditions
dd/mm/yyyy	hh:mm	°C		g/m³	g/m³				
11/08/2024	10:42:00	12.6	7.01	3	8.79	Ν	Light	High	Ebb
12/08/2024	12:10:00	12.8	6.97	8	9.16	Ν	Moderate	High	Ebb
13/08/2024	12:30:00	12.4	7.03	4	9.35	S	Moderate	High	Ebb
14/08/2024	12:15:00	14.1	7.01	5	11.87	N	Light	High	Ebb
15/08/2024	09:27:00	11.4	7.15	3	9.16	N	Moderate	High	Flood
16/08/2024	10:06:00	13.4	7.31	6	11.08	N	Moderate	High	Flood
17/08/2024	11:49:00	14.5	6.95	4	8.98	N	Light	Mid	Flood
18/08/2024	11:40:00	13.9	6.95	2	8.29	NW	Moderate	Mid	Flood
19/08/2024	10:26:00	9.8	6.61	2	11.1	NW	Light	Low	Flood
20/08/2024	10:37:00	12.3	7.14	2	8.75	None	None	Low	Flood
21/08/2024	09:39:00	10.2	7.1	2	9.49	N	Light	Low	Ebb
22/08/2024	09:53:00	11.1	7.28	2	8.75	N	Light	Mid	Ebb
23/08/2024	09:38:00	12.6	7.18	4	8.88	N	Strong	High	Ebb
24/08/2024	10:14:00	13.3	6.95	2	10.35	N	Light	High	Ebb

Table 54: Discharge Monitoring

#### Upstream of Port Road Bridge

						-	-				
Date	Time	Enterococc i	E. Coli	Faecal Coliforms	cBOD5	Dissolved Reactive Phosphoru s	Ammoniac al Nitrogen	Nitrate Nitrogen	Nitrite Nitrogen	Dissolved Copper	Dissolved Zinc
dd/mm/yyy y	hh:mm	cfu/ 100mL	cfu/ 100mL	cfu/100mL	g/m3	g/m3	g/m3	g/m3	g/m3	g/m3	g/m3
15/09/2024	14:42	1200	2000	1000	4	0.093	3.68	0.01	0.01	0.0012	0.0005

#### Table 5: Discharge Monitoring

#### Table 6: Discharge Monitoring

Date	Time	H₂O Temp.	рН	Salinity	Dissolved Oxygen	Wind Direction	Wind Strength	Tide	Sea Conditions
dd/mm/yyyy	hh:mm	°C		g/m³	g/m³				
15/09/2024	14:42	16.1	7.06	2	10.27	N	Light	High	Clear

#### Waiwhetu Pa Site

Table 7: Discharge Monitoring												
Date	Time	Enterococ ci	E. Coli	Faecal Coliforms	cBOD₅	Dissolved Reactive Phosphor us	Ammoniac al Nitrogen	Nitrate Nitrogen	Nitrite Nitrogen	Dissolved Copper	Dissolved Zinc	
dd/mm/yy yy	hh:mm	cfu/ 100mL	cfu/ 100mL	cfu/100mL	g/m³	g/m³	g/m³	g/m³	g/m³	g/m³	g/m³	
15/09/2024	14:21	110	1000	260	8	0.393	15.9	0.01	0.01	0.0022	0.0004	

#### Table 8: Discharge Monitoring

Date	Time	H₂O Temp.	рН	Salinity	Dissolved Oxygen	Wind Direction	Wind Strength	Tide	Sea Conditions
dd/mm/yyyy	hh:mm	°C		g/m³	g/m³				
15/09/2024	14:21	14.3	7.02	2	11.21	N	Light	High	Clear

#### Downstream of Bell Road Bridge

Table 9: Discharge Monitoring

Date	Time	Enterococ ci	E. Coli	Faecal Coliforms	cBOD₅	Dissolved Reactive Phosphor us	Ammoniac al Nitrogen	Nitrate Nitrogen	Nitrite Nitrogen	Dissolved Copper	Dissolved Zinc
dd/mm/yy yy	hh:mm	cfu/ 100mL	cfu/ 100mL	cfu/100mL	g/m³	g/m³	g/m³	g/m³	g/m³	g/m³	g/m³
15/09/2024	14:31	380	1000	1300	3	0.012	0.01	0.37	0.01	0.0022	0.036

#### Table 10: Discharge Monitoring

Date	Time	H₂O Temp.	рН	Salinity	Dissolved Oxygen	Wind Direction	Wind Strength	Tide	Sea Conditions
dd/mm/yyyy	hh:mm	°C		g/m³	g/m³				
15/09/2024	14:31	15.1	6.92	2	8.83	Ν	Light	High	Clear

### Condition (16)

The samples collected for conditions 14 and 15 shall be analysed for parameters specified in Table 1.2. An assessment of the results shall be provided in the annual reports required by condition 35. Copies of the water quality monitoring results shall be provided in both electronic and hardcopy format to the Manager, Environmental Regulation, Wellington Regional Council upon request.

#### Refer above and Appendix

### Condition (18)

- a) The discharge shall not result in any of the following effects on the water of the Waiwhetu Stream beyond the reasonable mixing zone boundary defined as 1 00m downstream of the Waiwhetu Stream outfall (i.e. immediately upstream of Port Road Bridge) and 100m upstream of the Waiwhetu Stream outfall (i.e. adjacent to Lot 2 DP 421395):
  - 1) The production of any conspicuous oil or grease or grease films, scums or foams or floatable or suspended materials, or
  - 2) Any conspicuous change in colour or clarity
  - 3) Any emission of objectionable odour, or
  - 4) Any significant adverse effects on aquatic life
- b) During each sampling event required by condition 15 the consent holder shall take photographs of the point of discharge and immediate receiving waters around the point of discharge to show the presence of any of effects (1-4) listed in condition 18 (a) and any obvious undesirable biological growths or visible die-offs.

The consent holder shall forward to the Manager, Environmental Regulation, Wellington Regional Council a copy of the photographs, in the annual report required by condition 35 of this consent or upon request.

None of the effects listed above was observed in the receiving waters. Photos can be supplied if requested.

### Condition (26)

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

- Name and address of complainant (if provided
- Identification of the nature of the complaint
- Date and time of the complaint and of the alleged event
- Weather conditions at the time of the alleged event, and
- Any measures taken to address the cause of the complaint

The consent holder shall notify the Manager, Environmental Regulation, Wellington Regional Council of any complaints relating to the exercise of this consent, within 24 hours of being received by the consent holder or the next working day.

Notification can be sent to the Manager, Environmental Regulation, Wellington Regional Council at notifications@gw.govt.nz. Please include the consent reference WGN120142[31528] and the name and phone number of a contact person responsible for the discharge.

The consent holder shall forward to the Manager, Environmental Regulation, Wellington Regional Council a copy of the complaints record, in the annual report required by condition 35 of this consent.

No complaints were received regarding this resource consent for the reporting period.

### Condition (14)

Monitoring of the key parameters identified in condition 11 (f) above shall be carried out at an appropriate frequency for the type of air pollution control equipment adopted, if the monitoring frequency is not stated in condition 11 (f).

Continuous monitoring shall be used if it is considered appropriate for the type of control equipment adopted.

The results of the monitoring shall be forwarded to the Manager, Consents Management, Wellington Regional Council at three monthly intervals.

		July 2024			August 2024	L	September 2024		
Day	Back Pressure	Moisture Content	рН	Back Pressure	Moisture Content	рН	Back Pressure	Moisture Content	рН
	Ра	%		Ра	%		Ра	%	
1	1166			1034			627		
2	1175	51.81	7.2	1184			917		
3	1202			1216	64.79	7.8	921	50.65	7.6
4	1128			1182			899	61.58	
5	1163			1021			508		
6	1161			1213			441	51.32	8.0
7	1132			1217			437		
8	1072			1173			432		
9	1220	58.75	7.7	623	56.88	7.3	426		
10	1228			556			195		
11	1120			1152			405		
12	1286			1064			390		
13	1281			1254			283		
14	1277			1265			223	55.73	7.9
15	1085	51.13	7.0	1140	52.03		183		
16	1281			1230	56.59	7.4	470		
17	1278			1239			137		
18	1174			1215			137		
19	1284			1179			133		
20	1212			1266			98	44.89	7.8
21	908	52.30	7.8	1252			95		
22	1028			1135			95		
23	1216			1269	69.72	7.1	145		
24	1178			1229			560		
25	1085			1186			550		
26	1266			1036			133	57.63	6.2
27	1269	52.16	6.8	1161			242		
28	1090			1349	55.26	6.8	267		
29	739			1156			270		
30	1250			720			119		
31	1262			655					

Table 56: Bio-filter Monitoring Parameters

The Biofilter media replacement was completed and back pressure is able to be read on SCADA as shown above.

### Condition (16)

The consent holder shall keep a record of any complaints received. The complaints shall be forwarded to the Manager, Consents Management within twenty-four hours of being received by the consent holder.

The consent holder shall endeavour to record the complainants name, time of incident that caused the complaint, wind direction and speed,. and plant operating conditions at the time of the complaint.

Any incident that could have caused or has caused adverse effects on the environment at or beyond the boundary of the site shall be notified to the Wellington Regional Council within twenty-four hour., This includes any incidents that result in complaints.

There were 68 odour complaints during the period. Details are recorded and available on request.

GWRC as regulator issued an email on 26 September seeking answers in response to questions regarding the odour complaints. This PX was superseded by a letter on 11 October and a response was provided on 31 October (after the end of the period).

An Abatement Notice (A1108) regarding Biofilter Upgrades was issued by GWRC on 15 August.

### Condition (18)

The opacity of all discharges from combustion appliances and any sludge dryer (excluding steam) shall not exceed 20%, except for a period of ten minutes for starting up from cold.

All exhaust from the sludge dryer is captured, condensed, and then discharged. This condition is not applicable.

### Condition (22)

Emissions from any combustion appliances, excluding stand-by equipment shall be tested for the following parameters annually:

- (a) Oxides of nitrogen
- (b) Carbon monoxide
- (c) Sulphur dioxide

The testing shall be carried out by a standard method to the satisfaction of the Manager, Consents Management, Wellington Regional Council.

All exhaust from the sludge dryer is captured, condensed, and then discharged. This condition is not applicable.

APPENDIX I: Shoreline Monitoring and Sampling Results

#### WGN120142 [33406] - Condition 15 (b)

During each sampling event required by condition 12, the consent holder shall take photographs of the point of discharge and immediate receiving waters around the point of discharge to show the presence of any of effects (1-4) listed in condition 15 (a) and any obvious undesirable biological growths or visible die-offs.

The consent holder shall forward to the Manager, Environmental Regulation, Wellington Regional Council a copy of the photographs in the annual report required by condition 25 of this consent or upon request.

Photos for the 15 September event are shown below, and photos for other events are available on request.

Event Date	
1/07/2024	Photos are available on request
30/07/2024	Photos are available on request
11/08/2024	Photos are available on request
26/08/2024	Photos are available on request
26/08/2024	Photos are available on request
03/09/2024	Photos are available on request
15/09/2024	Photos are available on request
16/09/2024	Photos are available on request



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# Food & Water Testing ANALYTICAL REPORT

REPOR	T CODE	A	R-24-NW-0554	41-01	REPORT DATE	17/09/2024
Attention	Veolia Water	- Wellingt	on			
	COA Email					
	Wastewater T	reatment	Plant			
	P.O. Box 147	44				
	WELLINGTO	N 6041				
	Wellington					
	NEW ZEALA	ND				
Phone	(04) 388 0067					
Email	anz eurofina.coa	allgroups@	weola.com			
Contact 1	for your orders:	Deb Bot	trill		Order code:	EUNZ/VE-00204078
Contract	:	Seaview	/ Discharge Test	ing		
Submiss	ion Reference:	Seaview	/ Discharge		Purchase Order Numbe	ar: 7300394275
SAMPLE	E CODE	812-20	24-00130464			
Sampling	Point code:	SEA D	S WAIWHETU		Sampling Point name:	Effluent Discharge to Waiwhetu
						Stream
Receptio	n Date & Time:	07/09/20	124 11:50			
Analysis	Started on:	07/09/20	124		Analysis Ending Date:	17/09/2024
Product	Туре	Surface	water		Sampled Date & Time	07/09/2024 10:30
Sampler(	(s)	Marty				
			RESULTS		LOQ	
NW676	Ammonia Nitrog	en				
	Ammonia nitrogen		15.8	mail	0.01	
NW016	Carbonaceour P	lochemics	Orwann Dem	and		
	Carbonaceous B	to minut	37	and		
	Oxygen Demand	THE PT ICAN		1194	1	
NW108	Dissolved Coppy	ur .				
	Croner (Ca)		0.0032	mall	0.0005	
MAG73	Copper (Cd)			a geo	0.0005	
144407.5	Dissolved React	ve Phosp	1.03	-		
	Phosphorus			mgn	0.002	
NW125	Dissolved Zinc		0.010			
	Zinc (Zn)		0.010	mgti	0.002	
ZMOU1	Enumeration of 8	Enterococi	ci by Membrane	a Filtration		
	Enterococcue Speci	65	>6000	cfu/100 ml	10	
ZM2FX	Enumeration of 8	Escherichi	ia coli by Memb	arane Filtratio	n	
	Escherichia coli		1.10x10 <sup>e</sup>	cfu/100 ml	1000	
UMY2E	Enumeration of F	Faecal Col	iforms by Mem	brane Filtratio	on	
	Faecal Coliforms		>6000	cfu/100 ml	10	
NW010	Nitrate-N					
	Nitrate-N		<0.01	mgfi	0.01	
NW008	Nitrite-N			-		
	Nitrite Nitrogen es h	4	<0.01	mall	0.01	
NW388	Saliaitu	-			10.10 T	
	Sainty		<2	net	2	
NW242	Turbidh			PP-	2	
100212	Turbidity		4.27			
	unolaty			ATU	0.01	
urofins EL	S Limited				Phone +	64 4 576 5016
5 Port Roa	ad				www.eurofins.co.nz	A CARDING SCARDING
eaview.						
ower Hutt						Hac-MRA
verington	5010					
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SAMPL	E CODE	812-202	4-00130465			
Samplin	g Point code:	SEA_DIS	UP_PORTRO/	AD	Sampling Point name	Upstream of Port Road Bridge
Reception	on Date & Time:	07/09/202	4 11:50			
Analysis	s Started on:	07/09/202	4		Analysis Ending Date:	: 14/09/2024
Product	туре	Surface w	later		Sampled Date & Time	07/09/2024 11:15
			RESULTS		LOQ	
NW676	Ammonia Nitroge	n				
	Ammonia nitrogen		0.01	mgti	0.01	
NW016	Carbonaceous Bik	ochemical	Oxygen Dema	nd		
	Carbonaceous Bloch	emical	2	mgti	1	
	Oxygen Demand					
NW108	Dissolved Copper	r	0.0000			
	Copper (Cu)		0.0000	mgti	0.0005	
NW673	Dissolved Reactly	e Phosphe	D D D D D D D D D D D D D D D D D D D			
	Phosphorus		0.000	mgti	0.002	
NW125	Dissolved Zinc		0.025			
	Zinc (Zn)			mgti	0.002	
ZM0U1	Enumeration of E	nterococci	by Membrane 2100	Filtration		
	Enterococcus Specie	15		chu/100 ml	10	
ZM2FX	Enumeration of E	scherichia	coli by Membr	ane Filtration		
	Eacherichia coli			churido mi	1000	
UMY2E	Enumeration of Fa	aecal Colif	orms by Memb	rane Filtration	n	
	Paecal Collorma			Cfu/100 H1	10	
NWU10	Nitrate-N		0.50			
A BALANA	N REMOVERN		0.00	mgri	0.01	
NWOOS	Nitrite-N		<0.01			
-	Nitrite Nitrogen as N			mgri	0.01	
@NM388	Salinity		2			
	Salinity		-	pps	2	
NW212	Turbidity		2.73			
	Turbidity			NTU	0.01	
CAMPI	E CODE	812,202	1.00130466			
Samelin	E CODE	SEA DIS	WAINHETU F	24	Sampling Doint name	- Walwbehi Pa
Reception	on Date & Time:	07/09/202	4 11:50		camping Folit name	
Analysis	s Started on:	07/09/202	4		Analysis Ending Date:	14/09/2024
Product	Туре	Surface w	vater		Sampled Date & Time	07/09/2024 10:51
			RESULTS		LOQ	
NW676	Ammonia Nitroge	n				
	Ammonia nitrogen		<0.01	mgfl	0.01	
NW016	Carbonaceous Bio	ochemical	Oxygen Dema	nd		
	Carbonaceous Bioch	emical	4	mgil	1	
	Oxygen Demand					
NW108	Dissolved Copper	r				
	Copper (Cu)		0.0008	mgfl	0.0005	
NW673	Dissolved Reactly	e Phospho	orus			
	Phosphorus		0.005	mgfi	0.002	
NW125	Dissolved Zinc					
Eurofine E	Limited .				Phone	-64.4 576 5016
85 Port Re	ad				www.eurofins.co.pz	within other
Seaview						
Lower Hut	t					Hac-MRA LANK
NEW ZEA						
ALLY LEA	Log IL					LANGE LANGE

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		RESULTS		LOQ					
NW125	Dissolved Zinc								
	Zinc (Zn)	0.021	mgti	0.002					
ZMOU1	Enumeration of Enterococc	i by Membrane I	Filtration						
	Enterococcus Species	1300	cfu/100 ml	10					
ZM2FX	Enumeration of Escherichia Escherichia coli	coli by Membra 1000	cfu/100 ml	1000					
UMY2E	Enumeration of Faecal Coliforms by Membrane Filtration								
	Faecal Colforms	440	cfu/100 ml	10					
NW010	Nitrate-N Nitrate-N	0.51	mgt	0.01					
NW008	Nitrite-N		÷						
	Nitrite Nitrogen as N	<0.01	mgti	0.01					
NW388	Salinity								
	Salinity	<2	ppt	2					
NW212	Turbidity								
	Turbidity	2.39	NTU	0.01					

		010 0001 00/00 10			
SAMPL	E CODE	812-2024-0013046	7		
Samplin	g Point code:	SEA_DIS_DOWN_B	ELLRD	Sampling Point nam	<ul> <li>Downstream of the Bell Road Bridge</li> </ul>
Reception	on Date & Time:	07/09/2024 11:50		Analysis Fadio - Fat	
Anatyse	s started on:	07/09/2024		Analysis Ending Dat	e: 15/05/2024
Product	туре	Surface water		Sampled Date & Tim	e 07/09/2024 10:42
		RESULT	rs	LOQ	
NW676	Ammonia Nitroge	n			
	Ammonia nitrogen	0.04	mgfi	0.01	
NW016	Carbonaceous Bi	ochemical Oxygen D	mand		
	Carbonaraous Binch	writed <3	mal	1	
	Oxygen Demand				
NW108	Dissolved Coppe	r			
	Copper (Cu)	0.0006	mafi	0.0005	
NW673	Discolund Reactly	a Phoenhoeue			
	Phosphorus	0.008	mall	0.000	
NW125	Disserved Theo			0.002	
NW125	Dissolved Zinc	0.022	mail		
-	zinc (zn)		mgn	0.002	
20001	Enumeration of E	nterococci by Membr	ane Filtration		
	Enterococcue Specie	19 2200	cfu/100 ml	10	
ZM2FX	Enumeration of E	scherichia coli by Me	mbrane Filtration		
	Escherichia coli	2000	cfu/100 ml	1000	
UMY2E	Enumeration of F	aecal Coliforms by M	embrane Filtratio	n	
	Faecal Colforms	1800	cfu/100 ml	10	
NW010	Nitrate-N				
	Nitrate-N	0.61	mg/l	0.01	
NW008	Nitrite-N				
	Nitrite Nitrogen as N	<0.01	mail	0.01	
NW388	Salinity		-		
	Salinity	<2	pot	2	
NW212	Turbidiba		P1-	*	
1411212	Turbidity	2.32	NTU		
	- a sury		110	0.01	
urofins E	LS Limited			Phone	+64 4 576 5016
5 Port Ro	ad			www.eurofins.co.nz	ACON PECKEDURO
Baview					ilment and
Jellipoten	5010				
EWZEA	LAND				Color and a star
					TAPON A LAND



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	ANALYTICAL REPORT										
REPOR	RT CODE	AR-24-NW-057	048-01	REPORT DATE	24/09/2024						
Attention	Veolia Water - COA Email Wastewater Ti P.O. Box 1474 WELLINGTON	Wellington reatment Plant 14 N 6041									
	Wellington NEW ZEALAN	.D									
Phone Email	(04) 368 0067 and exercise con (	all arcan a flava alla com									
Contact Contract	for your orders:	Deb Bottrill Seaview Discharge Tex Seaview Discharge Tex	iáng	Order code:	EUNZWE-00205368						
CODING	and represence.	Seaven Sacialize of	1.2	Purchase Order Numb	EI: FORCERE IS						
SAMPL	E CODE	812-2024-00134397									
Sample Sample Samplir Recepti Analysi	Name Reference og Point code: on Date & Time: a Started on:	Bell Hoad Downstream of Bell Ro SEA_DIS_DOWN_BEL 17/09/2024 12:30 17/09/2024	ad Bridge LLRD	Sampling Point name: Analysis Ending Date:	Downstream of the Bell Road Bridge 23/09/2024						
Product	Туре	Surface Weter		Sampled Date & Time	17/09/2024 11:18						
Sample	•(n)	GF									
		RESULTS		LOQ							
NW676	Ammonia Nitroge Ammonia téregen	n 0.04	mg/l	0.01							
NW016	Carbonaceous Bi Carbonaceous Bioch Oxygen Demand	ochemical Oxygen Den Herrical	nand mg/l	1							
NW108	Dissolved Coppe Copper (Cu)	r 0.0027	ngi	0.0005							
NW673	Dissolved Reactly Phosphorus	Ne Phosphorus D.019	mg/l	0.002							
NW125	Dissolved Zinc Zinc (Zri)	0.036	ngi	0.002							
710752	Enterecoccus Speck	es ≻6000 Instantable cali ber Mass	cturition mi cturitio mi	10							
LIMPOR	Enumeration of E Excherichis coll	scherichia coli by wen 5000	cturito mi	n 1000							
NW01D	Enumeration or P Faecal Colifornia Nitrate_N	secal Colifornia by wer 5500	cturite mi	an 10							
NWOOR	Nitrate-N Nitrate-M	0.52	ngi	0.01							
(however	Nitrite Nitrogen as N Rollwity	<0.01	ngi	0.01							
NW212	Salinity	-2	ppt	2							
	Turbidity	18.5	NTU	0.01							
Eurofina E 85 Port Re Seaview Lower Hul Wellington NEW ZEA	ELS Limited ced 15010 LLAND			Phone • www.eurofins.co.nz							

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		Fo	od & Wa	ter Test	ing		
			RESULTS		LOQ		
							_
SAMPL	E CODE	812-202	4-00134398				
Sample Sample	Name Reference	Walwheb.	i Più i Più				
Sample	ng Point code:	SEA_DIS	_WAIWHETU_R	A	Sampling Point name:	t: Walwhetu Pa	
Recepti	on Date & Time:	17/09/202	4 12:30				
Analysi	s Started on:	17/09/205	4		Analysis Ending Date:	23/09/2024	
Product	Туре	Surface V	Veter		Sampled Date & Time	17/09/2024 12:14	
cample	(s)	UP .					1
			RESULTS		LOQ		
NW676	Ammonia Nitroger Ammonia nitrogen	1	0.06	mgi	0.01		
NW016	Carbonaceous Bio	chemical	Oxygen Deman	d			
	Carbonaceous Bloch	en ical	40	mgʻi	1		
LOUIS OF	Oxygen Demand Discellund Common						
DEPENDENT NUMBER	Connectifue)		0.0030	mai	0.0005		
MW873	Dissolved Reactive	e Phosnh-	srus	Bra			
104000	Phosphorus		0.026	ngi	0.002		
IN MY LAW	Zine (Zn)		0.059	mail	0.002		
2140114	Enumeration of Fr		is a life set some 1	illeriter.	0.000		
	Enterecoccus Specie		>6000	ctu/100 mi	10		
ZM2FX	Enumeration of Es Escherichia coli	icherichia	coli by Membra 10000	cturies mi	1000		
UMY2E	Enumeration of Fa	iecal Colif	orms by Membr	ane Fitration			
	Faecal Colforne		>6000	ctu/100 mil	10		
NW010	Nitrate-N		0.45				
	Nitrate-N		Lowing .	mg/l	0.01		
NW005	Nitrite-N		<0.01				
(NAVASSE)	Rolleiter			inger	0.01		
	Sainity		<2	ppt			
NW212	Turbielly						
	Turbidity		26.5	NTU	0.01		
SAMPL	E CODE	812-202	4-00134399				
Sample	Name	Port Road	1				
Sample	Reference Bolat acres	Upstream SEA TVP	of Port Road Br	idge D	Ross of the Redet access	a I have been at the st the set the set	
Recepti	on Date & Time:	17/09/202	_0P_PONTROM	D	sampling Point name	<ul> <li>Opsteam or Port road bridge</li> </ul>	
Analysi	s Started on:	17/09/205	4		Analysis Ending Date:	24/09/2024	
Product	Туре	Surface V	Veter		Sampled Date & Time	17/09/2024 12:24	
Sample	(s)	GF					
			RESULTS		LOQ		
NW676	Ammonia Nitroger	1	5.07	_			
	Antmonia närogen		and diff.	mgi	0.01		
NW016	Carbonaceous Bio	chemical	Oxygen Deman	d			
Eurofina E 86 Bast Pr	sus Limited				Phone	+64 4 5/76 5016	
Serview	uramat				an anna ann ann an Iorlana. CC, FIS		- 10
Lower Hul	1					HOC-MEA IAN	<b>a</b> .
NEW ZEA	LAND						a selection

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			RESULTS		LOQ	
NW016	Carbonaceous Bio Carbonaceous Bioche Ouygen Demand	chemical ( mical	Oxygen Deman 8	nd mg/l	1	
NW108	Dissolved Copper Copper (Cu)		0.0018	ngi	0.0005	
NW673	Dissolved Reactive Phosphorus	e Phospho	nus 0.016	ngi	a.oca:	
NW125	Dissolved Zinc Zinc (Zn)		0.050	ngi	0.003	
ZM0U1	Enumeration of Er Enterococcus Specie	terococci	by Membrane I ⊳6000	Filtration cluit00 mi	10	
ZM2FX	Enumeration of Es	cherichia	coli by Membra 10000	and Filtration	4000	
UMY2E	Enumeration of Fa	iscal Colife	rms by Membe ≻scoo	rane Filtration	1	
NW010	Nitrate-N		0.26		10	
NW008	Nitrito-N		-0.05	mga -	0.01	
@NW388	Nitrie Nitrogen as N Selinity			mgʻi	0.01	
NW212	Salhity Turbidity		42 	ppt	2	
	Turbidity		16.5	NTU	0.01	
SAMPL	E CODE	812-2024	L00134400			
Sample	Name	Discharge	1			
Sample Samplin	Reference ng Point code:	EffuentDi SEA_DIS_	scharge to Wak WAIWHETU	whetu Stream	Sampling Point nam	e: Effluent Discharge to Weiwhetu Stream
Receptik	on Date & Time:	17/06/202/	4 12:30		Analysis Designs Peet	
Analysis	s stanted on:	1 FAUSPERD24 Strategies (8)	e Inten		Analysis Ending Lass Remained Date & Time	E: 200392024 1700-0034 20-02
Sampler	r(a)	OF.			campies care a min	- 1121220204 12:00
			RESULTS		100	
LEANTR		_	Philipping and the Lorent		Barbar Tall	
in the second	Ammonia Nitrogen Ammonia nitrogen	1	11.2	ngi	0.01	
NW016	Carbonaceous Bio	chemical (	Oxygen Deman	nd _		
	Carbonaceous Bioche Oxygen Demand	ern ic all		mg/l	1	
NW105	Dissolved Copper		0.0014	mail	0.0005	
NW673	Dissolved Reactive	e Phospho	PUB 0.022	mai	0.000	
NW125	Dissolved Zinc		0.009		10.000	
210001	Enumeration of Er	terococci	by Membrane	Fitration	0.002	
710002	Enterococcus Species	n Indonesia bita :	≻8000 emil ku Menster	charitee mi	10	
e conte da	enumeration of ES	sansini Chili	16000	ctu/100 mi	1000	
Eurofina F	Eacherichts coli					
second a second to prove the	LS Limited				Phone	+64 4 576 5016
85 Port Re	Eschenichts con LS Limited ced				Phone www.eurofina.co.nz	+64 4 576 5016
85 Port Ro Seaview Lower Hut	Eachenchia con				Phone www.eurofins.co.nz	+64 4 576 5016

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#### Food & Water Testing

		RESULT	5	LOG
UMY2E	Enumeration of Faecal Faecal Colforms	Coliforms by Me ≻6000	mbrane Filtration cturi00 mi	10
NW010	Nitrate-N Nitrate-N	<0.01	ngi	0.01
NW008	Nitrite-N Nitrite Nitrogen as N	<0.01	ngi	0.01
@NW388	Salinity Salinity	<2	ppt	2
NW212	Turbidity Turbidity	15.1	NTU	0.01

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Food	&	Water	Testir	ng	
A	N/	ALYTI		REP	ORT

REPOR	T CODE	AR-24-NW-0571	14-01	REPORT DATE	24/09/2024
Attention	Veolia Water - COA Email Wastewater Tr P.O. Box 1474	Wellington reatment Plant 14			
	Wellington				
Phone Email	(04) 388 0067 anz.eurofins.coa.a	all.groups@veolia.com			
Contact Contrac Submise	for your orders: t: sion Reference:	Deb Bottrill Seaview Discharge Testi Seaview Discharge Day 2	ng	Order code:	EUNZWE-00205357
SAMPI	E CODE	812-2024-00134393	-	Furchase order Number	
Sample	Name	Bell Road			
Sample Samplin Receptio	Reference g Point code: on Date & Time:	Downstream of Bell Road SEA_DIS_DOWN_BELL 16/09/2024 10:45	d Bridge RD	Sampling Point name:	Downstream of the Bell Road Bridge
Analysis	s Started on:	16/09/2024		Analysis Ending Date:	23/09/2024
Product	Type (s)	Surface Water		Sampled Date & Time	16/09/2024 09:43
	(5)	RESULTS		100	
NW676	Ammonia Nitroge Ammonia nitrogen	n 0.05	mg/l	0.01	
NW016	Carbonaceous Bio Carbonaceous Bioch Oxygen Demand	ochemical Oxygen Dema remical <3	nd mg/l	1	
NW108	Dissolved Copper Copper (Cu)	r 0.0072	mg/l	0.0005	
NW673	Dissolved Reactiv Phosphorus	ve Phosphorus 0.028	mg/l	0.002	
NW125	Dissolved Zinc Zinc (Zn)	0.037	mg/l	0.002	
ZM0U1	Enumeration of E Enterococcus Specie	nterococci by Membrane >6000	cfu/100 ml	10	
ZM2FX	Enumeration of E Escherichia coli	scherichia coli by Membr 16000	cfu/100 ml	1000	
UMY2E	Enumeration of F Faecal Coliforms	aecal Coliforms by Memb >6000	cfu/100 ml	10	
NW010	Nitrate-N Nitrate-N	0.25	mg/l	0.01	
NW008	Nitrite-N Nitrite Nitrogen as N	<0.01	mg/l	0.01	
@NW388	Salinity Salinity	<2	ppt	2	
NW212	Turbidity Turbidity	8.85	NTU	0.01	

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		Food & W	later Tes	ting	
		RESULTS		LOQ	
SAMPL	E CODE	812-2024-00134394			
Sample Sample Samplir Recepti Analysi	Name Reference ng Point code: on Date & Time: s Started on:	Waiwhetu Pa Waiwhetu Pa SEA_DIS_WAIWHETU 16/09/2024 10:45 16/09/2024	_PA	Sampling Point name: Analysis Ending Date:	Waiwhetu Pa 23/09/2024
Product	t Type	Surface Water		Sampled Date & Time	16/09/2024 10:23
Sample	r(s)	GF			
		RESULTS		LOQ	
NW676	Ammonia Nitroge Ammonia nitrogen	n 0.07	mg/l	0.01	
NW016	Carbonaceous Bi	ochemical Oxygen Dem	and		
	Carbonaceous Bioch Oxygen Demand	emical <b< th=""><th>mg/l</th><th>1</th><th></th></b<>	mg/l	1	
NW108	Dissolved Copper Copper (Cu)	0.0010	mg/l	0.0005	
NW673	Dissolved Reactiv	e Phosphorus			
	Phosphorus	0.021	mg/l	0.002	
NW125	Dissolved Zinc	0.029			
7110114	Zinc (Zn)		mg/l	0.002	
20001	Enumeration of El	2800 2800	e Filtration	10	
ZM2FX	Enumeration of F	.~ scherichia coli by Memi	brane Filtratio	10	
	Escherichia coli	3000	cfu/100 ml	1000	
UMY2E	Enumeration of Fa	aecal Coliforms by Men	nbrane Filtratio	n	
	Faecal Coliforms	3000	cfu/100 ml	10	
NW010	Nitrate-N	0.43	mad		
NW008	Nitrate-N		mga	0.01	
1411000	Nitrite Nitrogen as N	<0.01	ma/l	0.01	
@NW388	Salinity			0.01	
-	Salinity	3	ppt	2	
NW212	Turbidity Turbidity	11.3	NTU	0.01	
SAMPL	E CODE	812-2024-00134395			
Sample	Name	Port Road			
Sample Samplir Recepti	Reference ng Point code: on Date & Time:	Upstream of Port Road SEA_DIS_UP_PORTR 16/09/2024 10:45	Bridge OAD	Sampling Point name:	Upstream of Port Road Bridge
Analysi	s Started on:	16/09/2024		Analysis Ending Date:	23/09/2024
Product	t Type r(s)	Surface Water GF		Sampled Date & Time	16/09/2024 10:33
		RESULTS		LOQ	
NW676	Ammonia Nitroge	n			
	Ammonia nitrogen	0.09	mg/l	0.01	

NW016 Carbonaceous Biochemical Oxygen Demand

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#### Food & Water Testing

			RESULTS		LOQ		
NW016	Carbonaceous Bio Carbonaceous Bioch Oxygen Demand	ochemical emical	Oxygen Demai <6	nd mg/l	1		
NW108	Dissolved Copper Copper (Cu)		0.0008	mg/l	0.0005		
NW673	Dissolved Reactiv Phosphorus	e Phosph	0.016	mg/l	0.002		
NW125	Dissolved Zinc Zinc (Zn)		0.010	mg/l	0.002		
ZM0U1	Enumeration of En Enterococcus Specie	nterococci s	by Membrane 1100	cfu/100 ml	10		
ZM2FX	Enumeration of Escherichia coli	scherichia	coli by Membr <1000	ane Filtration cfu/100 ml	1000		
UMY2E	Enumeration of Fa Faecal Coliforms	aecal Colif	orms by Memb 1200	rane Filtratior cfu/100 ml	10		
NW010	Nitrate-N Nitrate-N		0.26	mg/l	0.01		
NW008	Nitrite-N Nitrite Nitrogen as N		0.02	mg/l	0.01		
@NW388	Salinity Salinity		5	ppt	2		
NW212	Turbidity Turbidity		2.61	NTU	0.01		
0440	5 0005	842 202	4 00124206				
Sample Sample Samplin	Name Reference ng Point code:	Discharge Effluent D SEA_DIS	charge uent Discharge to Waiwhetu Stream A_DIS_WAIWHETU		Sampling Point r	name:	Effluent Discharge to Waiwhetu
Recepti Analysi	on Date & Time: s Started on:	16/09/202 16/09/202	24 10:45 24		Analysis Ending	Date:	Stream 24/09/2024
Sample	t Type r(s)	Surface V GF	Vater		Sampled Date & 1	lime	16/09/2024 10:13
			RESULTS		LOQ		
NW676	Ammonia Nitrogen	n	17.6	mg/l	0.01		
NW016	Carbonaceous Bio	ochemical	Oxvgen Dema	nd			
	Carbonaceous Bioch Oxygen Demand	emical	17	mg/l	1		

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Escherichia coli

NW108 Dissolved Copper

Copper (Cu)

Phosphorus

NW125 Dissolved Zinc

Zinc (Zn)

NW673 Dissolved Reactive Phosphorus 0..584

Enterococcus Species

0.0014

0.008

ZM0U1 Enumeration of Enterococci by Membrane Filtration Enterococcus Species >6000 cfu/100 m

ZM2FX Enumeration of Escherichia coli by Membrane Filtration

mg/l

mg/l

mg/l

cfu/100 ml

cfu/100 ml

0.0005

0.002

0.002

10

1000

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04 4 ETO E040

		Food & V	Vater Test	ting
		RESULTS	1	LOQ
UMY2E	Enumeration of Faeca Faecal Coliforms	I Coliforms by Mer >6000	mbrane Filtration cfu/100 ml	10
NW010	Nitrate-N Nitrate-N	0.01	mg/l	0.01
NW008	Nitrite-N Nitrite Nitrogen as N	<0.01	mg/l	0.01
@NW388	Salinity Salinity	<2	ppt	2
NW212	Turbidity Turbidity	6.69	NTU	0.01



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REPOR	RT CODE	AR-24-NW-05	7113-01	REPORT DATE	24/09/2024
Attention	COA Email	Wellington			
	P.O. Box 1474 WELLINGTON	4 N 6041			
	Wellington NEW ZEALAN	ID			
Phone Email	(04) 388 0067 anz.eurofins.coa.:	all.groups@veolia.com			
Contact Contrac Submis	t for your orders: t: sion Reference:	Deb Bottrill Seaview Discharge Te Seaview Discharge Da	sting ay 1	Order code: Purchase Order Numb	EUNZWE-00205351 er: 7300398813
SAMPI	E CODE	812-2024-00134356			
Sample	Name	Bell Road			
Sample Samplin Recepti	Reference ng Point code: on Date & Time:	Downstream of Bell Re SEA_DIS_DOWN_BE 15/09/2024 15:00	oad Bridge LLRD	Sampling Point name	Downstream of the Bell Road Bridge
Product	s started on: t Type r(s)	Surface Water GF		Sampled Date & Time	15/09/2024 14:06
		RESULTS	8	LOQ	
NW676	Ammonia Nitroge Ammonia nitrogen	n <0.01	mg/l	0.01	
NW016	Carbonaceous Bi Carbonaceous Bioch Oxygen Demand	ochemical Oxygen Der emical <sup>&lt;3</sup>	mand mg/l	1	
NW108	Dissolved Copper Copper (Cu)	0.0022	mg/l	0.0005	
NW673	Dissolved Reactive Phosphorus	0.012	mg/l	0.002	
NW125	Dissolved Zinc Zinc (Zn)	0.036	mg/l	0.002	
ZM0U1	Enumeration of E	nterococci by Membra 380	ne Filtration	10	
ZM2FX	Enumeration of E	scherichia coli by Men	nbrane Filtration	10	
	Escherichia coli	nood Coliferne by H-	cfu/100 ml	1000	
UMTZE	Faecal Coliforms	aecal Coliforms by Me 1300	cfu/100 ml	10	
NUVU10	Nitrate-N	0.37	mg/l	0.01	
NVV008	Nitrite-N Nitrite Nitrogen as N	<0.01	mgil	0.01	
@NW388	Salinity Salinity	<2	ppt	2	
NW212	Turbidity Turbidity	4.90	NTU	0.01	
Eurofins E 85 Port Ro Seaview Lower Hut Wellingtor	ELS Limited bad tt b 5010			Phone www.eurofins.co.nz	+64 4 576 5016
NEW ZEA	LAND				The LABOR PTO

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					AR-24-NW-057113-01	Page 2
		Food & V	Vater Tes	sting		
		RESULTS	3	LOQ		
SAMPI	E CODE	812-2024-00134357	,			
Sample	Name	Waiwhetu Pa				
Sample	Reference	Waiwhetu Pa				
Samplin	g Point code:	SEA_DIS_WAIWHET	J_PA	Sampling Point name:	Waiwhetu Pa	
Recepti	on Date & Time:	15/09/2024 15:00		Analysis Fadian Dates	22/00/02/24	
Analysis	s Started on:	15/09/2024		Analysis Ending Date:	23/09/2024	
Sample	r(s)	GE		Sampled Date & Time	15/08/2024 14:42	
Jampie	1(5)	RESULTS	3	LOQ		
NW676	Ammonia Nitroge	n				
	Ammonia nitrogen	0.02	ma/l	0.01		
NW016	Carbonaceous Bio	ochemical Oxygen De	mand			
	Carbonaceous Bioch	emical 8	mg/l	1		
	Oxygen Demand		= 1			
NW108	Dissolved Copper					
	Copper (Cu)	<0.0005	mg/l	0.0005		
NW673	Dissolved Reactiv	e Phosphorus				
	Phosphorus	0.002	mg/l	0.002		
NW125	Dissolved Zinc					
	Zinc (Zn)	0.004	mg/l	0.002		
ZM0U1	Enumeration of Er	nterococci by Membra	ne Filtration			
	Enterococcus Specie	s 110	cfu/100 ml	10		
ZM2FX	Enumeration of Es	scherichia coli by Men	nbrane Filtratio	n		
	Escherichia coli	<1000	cfu/100 ml	1000		
UMY2E	Enumeration of Fa	aecal Coliforms by Me	mbrane Filtratio	'n		
	Faecal Coliforms	200	cfu/100 ml	10		
NW010	Nitrate-N	0.40				
	Nitrate-N	0.18	mg/l	0.01		
NW008	Nitrite-N	-0.04				
	Nitrite Nitrogen as N	<0.01	mg/l	0.01		
DNW388	Salinity	2				
	Salinity	2	ppt	2		
NW212	Turbidity	3.04				
	Turbidity	3.04	NTU	0.01		
SAMPL	E CODE	812-2024-00134358	1			
Sample	Name	Port Road				
Sample	Reference	Upstream of Port Roa	d Bridge			
Samplin	g Point code:	SEA_DIS_UP_PORTE	ROAD	Sampling Point name:	Upstream of Port Road	Bridge
Analysi	on Date & Time: s Started on:	15/09/2024 15:00		Analysis Ending Date:	24/09/2024	
Product	Type	Surface Water		Sampled Date & Time	15/09/2024 14:21	
Sample	r(s)	GF		- angrea sate a mile	Concentration (1752)	
-		RESULTS	5	LOQ		
NW676	Ammonia Nitroge	n				
	Ammonia nitrogen	3.68	mg/l	0.01		

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		Food & V	Vater Tes	ting	
		RESULTS	1	LOQ	
NW016	Carbonaceous Bioche	mical Oxygen Den	nand		
	Carbonaceous Biochemica Oxygen Demand	4	mg/l	1	
NW108	Dissolved Copper				
	Copper (Cu)	<0.0005	mg/l	0.0005	
NW673	Dissolved Reactive Ph Phosphorus	osphorus 0.093	mg/l	0.002	
NW125	Dissolved Zinc Zinc (Zn)	0.003	mg/l	0.002	
ZM0U1	Enumeration of Entero Enterococcus Species	cocci by Membra 1200	ne Filtration cfu/100 ml	10	
ZM2FX	Enumeration of Escher Escherichia coli	richia coli by Mem 2000	brane Filtration cfu/100 ml	1000	
UMY2E	Enumeration of Faecal	Coliforms by Mer	mbrane Filtratio	1	
	Faecal Coliforms	3500	cfu/100 ml	10	
NW010	Nitrate-N Nitrate-N	0.13	mg/l	0.01	
NW008	Nitrite-N Nitrite Nitrogen as N	<0.01	mg/l	0.01	
DNW388	Salinity Salinity	2	ppt	2	
NW212	Turbidity Turbidity	3.42	NTU	0.01	
SAMPI	E CODE 812	-2024-00134359			

SAMPLE CODE 812-2024-0013 Discharge Effluent Discharge to Waiwhetu Stream SEA\_DIS\_WAIWHETU Sample Name Sample Reference Sampling Point code: Sampling Point name: Effluent Discharge to Waiwhetu Stream 15/09/2024 15:00 15/09/2024 Reception Date & Time: Analysis Started on: Analysis Ending Date: 24/09/2024 Product Type Sampler(s) Surface Water GF Sampled Date & Time 15/09/2024 14:31 RESULTS LOQ NW676 Ammonia Nitrogen 15.9 0.01 ma/

	Annona noogen		ing/i	0.01	
NW016	Carbonaceous Biochemical	Oxygen Deman	d		
	Carbonaceous Biochemical Oxygen Demand	17	mg/l	1	
NW108	Dissolved Copper Copper (Cu)	0.0012	mg/l	0.0005	
NW673	Dissolved Reactive Phosph	orus			
	Phosphorus	0.393	mg/l	0.002	
NW125	Dissolved Zinc				
	Zinc (Zn)	0.006	mg/l	0.002	
ZM0U1	Enumeration of Enterococci	by Membrane I	litration		
	Enterococcus Species	2300	cfu/100 ml	10	
ZM2FX	Enumeration of Escherichia	coli by Membra	ne Filtration		
	Escherichia coli	1000	cfu/100 ml	1000	

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		Food & V	Food & Water Testing		
		RESULTS	S	LOQ	
UMY2E	Enumeration of Faeca Faecal Coliforms	al Coliforms by Me 2300	mbrane Filtration cfu/100 ml	10	
NW010	Nitrate-N Nitrate-N	<0.01	mg/l	0.01	
NW008	Nitrite-N Nitrite Nitrogen as N	<0.01	mg/l	0.01	
@NW388	Salinity Salinity	<2	ppt	2	
NW212	Turbidity Turbidity	4.53	NTU	0.01	

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ANAL	L REP	ORT

REPOR	T CODE	AR-24-NW-05	57952-01	REPORT DATE	27/09/2024
Attention	Veolia Water - COA Email Wastewater Tr P.O. Box 1474 WELLINGTON Wellington	Wellington reatment Plant 4 1 6041			
Phone	(04) 388 0067	ID .			
Email	anz.eurofins.coa.a	all.groups@veolia.com			
Contact Contrac	for your orders: t:	Deb Bottrill Seaview Discharge Te	esting	Order code:	EUNZWE-00205840
CAMPU	5 00D5	942 2024 0042574	<b>7</b>	Purchase Order Numb	er. 1300380013
SAMPL	E CODE	812-2024-00135/1	/		
Sample Sample Samplin Receptio	Reference Ig Point code: on Date & Time:	Downstream of Bell R SEA_DIS_DOWN_B8 18/09/2024 11:35 18/09/2024	toad Bridge ELLRD	Sampling Point name	Downstream of the Bell Road Bridge
Product	Type	Surface Water		Sampled Date & Time	18/09/2024 10:41
Sampler	r(s)	GF		•	
		RESULT	s	LOQ	
NW676	Ammonia Nitrogen Ammonia nitrogen	n 0.07	mg/l	0.01	
NW016	Carbonaceous Bio Carbonaceous Bioch Oxygen Demand	ochemical Oxygen De emical <3	mg/l	1	
NW108	Dissolved Copper Copper (Cu)	0.0039	mg/l	0.0005	
NW673	Dissolved Reactiv Phosphorus	e Phosphorus 0.082	mg/l	0.002	
NW125	Dissolved Zinc Zinc (Zn)	0.031	mg/l	0.002	
ZM0U1	Enumeration of En Enterococcus Specie	nterococci by Membra s 700	ane Filtration cfu/100 ml	10	
ZM2FX	Enumeration of Escherichia coli	scherichia coli by Mer <1000	mbrane Filtration cfu/100 ml	1000	
UMY2E	Enumeration of Fa Faecal Coliforms	aecal Coliforms by Me 130	embrane Filtration cfu/100 ml	10	
NW010	Nitrate-N Nitrate-N	1.03	mg/l	0.01	
NW008	Nitrite-N Nitrite Nitrogen as N	<0.01	mg/l	0.01	
@NW388	Salinity	<2	ppt	2	
NW212	Turbidity Turbidity	4.47	NTU	0.01	
Eurofins E 85 Port Ro Seaview	LS Limited ad			Phone www.eurofins.co.nz	+64 4 576 5016
Lower Hut Wellington NEW ZEA	t 5010 LAND				HAC MEA IANG

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#### Food & Water Testing

RESULTS

LOQ

		010 0001 00105310			
SAMPL	E CODE	812-2024-00135718			
Sample	Name	Waiwhetu Pa			
Sample	Reference	Walwhetu Pa			Maria Anto Da
Samplin	ng Point code:	SEA_DIS_WAIWHETU_	PA	Sampling Point name:	warwhetu Pa
Applet	on Date & Time:	18/09/2024 11:35		Applyriz Ending Date:	24/09/2024
Analysis	s otaried on:	Fordinan Whites		Analysis Ending Date:	24/05/2024
Product	туре	Surface water		Sampled Date & Time	1803/2024 11:14
		RESULTS		LOQ	
NW676	Ammonia Nitroge	n			
	Ammonia nitrogen	0.15	mgfl	0.01	
NW016	Carbonaceous Bio	chemical Oxygen Dema	and		
	Carbonaceous Bloch	emical <8	mgfi	1	
	Oxygen Demand		-		
NW108	<b>Dissolved Copper</b>				
	Copper (Cu)	0.0011	mg/l	0.0005	
NW673	Dissolved Reactly	e Phosphorus			
	Phosphorus	0.038	mal	0.002	
NW125	Dissolved Zinc				
100122	Time (7n)	0.010	mal	0.025	
7040114	Energeny			0.002	
28001	Enumeration of E	1100 nterococci by Membrane	EFITTAtion		
-	Enerococcus specie		CIL/IUD HI	10	
ZMZEX	Enumeration of E	scherichia coli by Memb	rane Filtration	n	
	Eacherichia coli	- 1999	chu/100 ml	1000	
UMY2E	Enumeration of Fa	aecal Coliforms by Mem	brane Filtratio	xn	
	Faecal Colforms	280	cfu/100 ml	10	
NW010	Nitrate-N				
	Nitrate-N	0.55	mgfi	0.01	
NW008	Nitrite-N				
	Nitrite Nitrogen as N	<0.01	mg/l	0.01	
@NW388	Salinity				
	Salinity	<2	ppt	2	
NW212	Turbidity				
	Turbidity	156	NTU	0.01	
				Tex Ter II	
CAMO	E CODE	812-2024-00135719			
SAMPL	ECODE	012-2024-00100/10			

Sample Name Sample Reference Sampling Point code: Reception Date & Time: Analysis Started on:		Port Road Upstream of Port Road Bridge SEA_DIS_UP_PORTROAD 18/09/2024 11:35 18/09/2024				
				Sampling Point name:	Upstream of Port Road Bridge 24/09/2024	
				Analysis Ending Date:		
Product	t Type	Surface Water		Sampled Date & Time	18/09/2024 11:23	
Sample	n(s)	GF				
	RESULTS		LOQ			
NW676	Ammonia Nitrogen Ammonia nitrogen	0.75	ngl	0.01		
NW016	Carbonaceous Bio	chemical Oxygen I	Demand			
	Carbonaceous Bloche Oxygen Demand	rmical <8	mgil	1		

ARE24 MECOLOGIOUZ-01 Page 5 015
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		Food & W	later Test	ting	
		RESULTS	ator roo	LOQ	
NW108	Dissolved Copper				
	Copper (Cu)	0.0015	mgfi	0.0005	
NW673	Dissolved Reactive Phosphorus	e Phosphorus 0.048	mgti	0.002	
NW125	Dissolved Zinc Zinc (Zn)	0.027	mgfi	0.002	
<b>ZM</b> 0U1	Enumeration of En Enterococcus Species	nterococci by Membran s 1800	e Filtration cfu/100 mi	10	
ZM2FX	Enumeration of Es	scherichia coli by Memi <1000	ctu/100 ml	1000	
UMY2E	Enumeration of Fa	ecal Coliforms by Men	brane Filtration	1	
	Faecal Colforms	1800	cfu/100 ml	10	
NW010	Nitrate-N				
NWOOR	Nitrate-N	0.56	mgfi	0.01	
NWOOD	Nitrite Nitrogen as N	<0.01	mgfi	0.01	
@NW388	Salinity		-		
	Salinity	<2	ppt	2	
NW212	Turbidity	14.4	NTU	0.01	
	,			0.01	
SAMPL	E CODE	812-2024-00135720			
Sample	Name	Discharge Ethuart Discharge to W	history Orean		
Sample	ng Point code:	SEA_DIS_WAIWHETU	awneia oiream	Sampling Point name:	Effluent Discharge to Walwhetu
Recepti	ion Date & Time:	10/00/2024 11:25			Stream
		10/10/2029 1.33			
Analysi	s Started on:	18/09/2024		Analysis Ending Date:	27/09/2024
Analysi Produci	s Started on: t Type	18/09/2024 Surface Water		Analysis Ending Date: Sampled Date & Time	27/09/2024 18/09/2024 11:01
Analysi Produci Sample	s Started on: t Type r(s)	18/09/2024 Surface Water GF		Analysis Ending Date: Sampled Date & Time	27/09/2024 18/09/2024 11:01
Analysi Product Sample	s Started on: t Type r(s) Ammonia Nitroger	18/09/2024 Surface Water GF RESULTS		Analysis Ending Date: Sampled Date & Time LOQ	27/09/2024 18/09/2024 11:01
Analysi Produci Sample NW676	s Started on: t Type r(s) Ammonia Nitrogen	BUD92024 Surface Water GF RESULTS 9,25	ngt	Analysis Ending Date: Sampled Date & Time LOQ 0.01	27/09/2024 18/09/2024 11:01
Analysi Product Sample NW676 NW016	s Started on: t Type r(s) Ammonia Nitrogen Ammonia nitrogen Carbonaceous Bio	BIDS2024 Surface Water GF RESULTS 9,25 Schemical Oxygen Dem	mgfi and	Analysis Ending Date: Sampled Date & Time LOQ 0.01	27/09/2024 18/09/2024 11:01
Analysi Produci Sample NW676 NW016	s Started on: t Type r(s) Ammonia Nitrogen Ammonia nitrogen Carbonaceous Bioch Corgon Demand	BIDS/2024 Surface Water GF RESULTS 9,25 Schemical Oxygen Dem emical 11	mgil and mgil	Analysis Ending Date: Sampled Date & Time LOQ 0.01 1	27/09/2024 18/09/2024 11:01
Analysi Product Sample NW676 NW016 NW108	s Started on: t Type r(s) Ammonia Nitrogen Ammonia nitrogen Carbonaceous Bioch Corgen Demand Dissolved Copper	IBUDI2024 Surface Water GF RESULTS n 9.25 Schemical Oxygen Dem emical 11	mgil and mgil	Analysis Ending Date: Sampled Date & Time LOQ 0.01 1	27/09/2024 18/09/2024 11:01
Analysi Product Sample NW676 NW016 NW108	s Started on: t Type n(s) Ammonia Nitrogen Carbonaceous Bioch Coygen Demand Dissolved Copper Copper (Cu)	BUDS2024 Surface Water GF RESULTS 9,25 Schemical Oxygen Dem emical 11 0.0016	ngli and ngli ngli	Analysis Ending Date: Sampled Date & Time LOQ 0.01 1 0.0005	27/09/2024 18/09/2024 11:01
Analysi Product Sample NW676 NW016 NW108 NW673	s Started on: t Type r(s) Ammonia Nitrogen Carbonaceous Bioch Carbonaceous Bioch Coygen Demand Dissolved Copper Copper (Cu) Dissolved Reactiv Phosphorus	RESULTS RESULTS RESULTS 0.0016 Phosphorus 5.02	mgli and mgli mgli	Analysis Ending Date: Sampled Date & Time LOQ 0.01 1 0.0005 0.002	27/09/2024 18/05/2024 11:01
Analysi Product Sample NW676 NW016 NW108 NW673 NW125	s Started on: t Type r(s) Ammonia Nitrogen Carbonaceous Bio Carbonaceous Bio Carbonaceous Bio Copper (Cu) Dissolved Copper Copper (Cu) Dissolved Reactive Phosphorus Dissolved Zinc	RESULTS RESULTS RESULTS RESULTS a 9.25 achemical Oxygen Dem emical 11 0.0016 e Phosphorus 5.02	mgil and mgil mgil mgil	Analysis Ending Date:           Sampled Date & Time           LOQ           0.01           1           0.0005           0.002	27/09/2024 18/09/2024 11:01
Analysi Product Sample NW676 NW016 NW108 NW108 NW108	s Started on: t Type r(s) Ammonia Nitrogen Ammonia nitrogen Carbonaceous Bic Carbonaceous Bic Coygen Demand Dissolved Copper Copper (Cu) Dissolved Reactive Phosphorus Dissolved Zinc Zinc (Zn)	RESULTS RESULTS RESULTS RESULTS RESULTS a 9.25 cohemical Oxygen Dem emical 11 0.0016 e Phosphorus 5.02 0.006	mgil and mgil mgil mgil	Analysis Ending Date:           Sampled Date & Time           LOQ           0.01           1           0.0005           0.002	27/09/2024 18/09/2024 11:01
Analysi Product Sample NW676 NW016 NW108 NW673 NW125 ZM0U1	s Started on: t Type r(s) Ammonia Nitrogen Ammonia nitrogen Carbonaceous Bioch Coygen Demand Dissolved Copper Copper (Cu) Dissolved Reactive Phosphorus Dissolved Zinc Zinc (Zn) Enumeration of Erf Enterocecus Sperie	RESULTS RESULTS RESULTS RESULTS RESULTS RESULTS RESULTS 0.25 cchemical Oxygen Dem emical 11 0.0016 e Phosphorus 5.02 0.008 merococci by Membran s 2200	mgli and mgli mgli mgli e Filtration ety100 mi	Analysis Ending Date: Sampled Date & Time 0.01 1 0.0005 0.002 0.002	27/09/2024 18/09/2024 11:01
Analysi Product Sample NW676 NW016 NW108 NW673 NW125 ZM0U1 ZM2FX	s Started on: t Type r(s) Ammonia Nitrogen Ammonia nitrogen Carbonaceous Bioch Coygen Demand Dissolved Copper Copper (Cu) Dissolved Reactive Phospherus Dissolved Zinc Zinc (Zn) Enumeration of Eri Enumeration of Eri	RESULTS     RESULTS     RESULTS     Surface Water     GF     RESULTS     Surface Water     GF     Surface Water     Sur	mgli and mgli mgli mgli e Fittration ctu100 mi	Analysis Ending Date: Sampled Date & Time 0.01 1 0.0005 0.002 0.002 10	27/09/2024 18/09/2024 11:01
Analysi Product Sample NW676 NW016 NW108 NW673 NW125 ZM0U1 ZM2FX	s Started on: t Type r(s) Ammonia Nitrogen Ammonia nitrogen Carbonaceous Bioch Corgen Demand Dissolved Copper Copper (Cu) Dissolved Reactive Phospherus Dissolved Zinc Zinc (Zn) Enumeration of Er Enumeration of Es Escherichia col	RESULTS IB/09/2024 Surface Water GF RESULTS a 9.25 ochemical Oxygen Dem amical 11 0.0016 e Phosphorus 5.02 0.008 merococci by Membran a 3200 scherichia coli by Meml 13050	mgfi and mgfi mgfi mgfi e Filtration cfu/100 mi brane Filtration cfu/100 mi	Analysis Ending Date: Sampled Date & Time 0.01 1 0.0005 0.002 0.002 10 1000	27/09/2024 18/09/2024 11:01
Anatysi Product Sample NW676 NW108 NW108 NW108 NW125 ZM001 ZM2FX UMY2E	s Started on: t Type r(s) Ammonia Nitrogen Carbonaceous Bio Carbonaceous Bio Carbonaceous Bio Copper (Cu) Dissolved Copper Copper (Cu) Dissolved Reactive Phospherus Dissolved Reactive Phospherus Dissolved Zinc Zinc (Zn) Enumeration of Er Enumeration of Fa Enumeration of Fa	RESULTS IB/09/2024 Surface Water GF RESULTS a 9.25 achemical Oxygen Dem emical 11 0.0016 e Phosphorus 5.02 0.008 Interococci by Membran s 3200 scherichia coli by Memi 12000 recal Coliformeto Mem- recal Coliformeto Mem- Subbala Coliformeto Mem- Mem- Mem- Coliformeto Mem- Mem- Subbala Coliformeto Mem- Mem- Mem- Subbala Coliformeto Mem- Mem	mgfi and mgfi mgfi mgfi e Filtration cfurico mi brane Filtration cfurico mi brane Filtration	Analysis Ending Date: Sampled Date & Time 0.001 1 0.0005 0.002 0.002 10 1000	27/09/2024 18/09/2024 11:01
Analysi Product Sample NW676 NW016 NW108 NW673 NW125 ZM0U1 ZM2FX UMY2E	s Started on: t Type r(s) Ammonia Nitrogen Ammonia nitrogen Carbonaceous Bicch Coygen Demand Dissolved Copper Coper (Cu) Dissolved Reactive Phosphorus Dissolved Reactive Phosphorus Dissolved Zinc Zinc (Zn) Enumeration of Est Enumeration of Fat Fascal Colforms	RESULTS IB/09/2024 Surface Water GF RESULTS achemical Oxygen Dem emical 11 0.0016 e Phosphorus 5.02 0.008 Interococci by Membran s 2200 scherichia coli by Memi 12000 recal Coliforms by Mem +6000	mgfi and mgfi mgfi e Filtration cfu/100 mi ibrane Filtration cfu/100 mi ibrane Filtration cfu/100 mi	Analysis Ending Date: Sampled Date & Time 0.001 1 0.0005 0.002 0.002 100 1000	27/09/2024 18/09/2024 11:01
Analysi Product Sample NW676 NW016 NW108 NW108 NW108 NW108 NW125 ZM001 ZM02FX UMY2E Euro1ns E	s Started on: t Type r(s) Ammonia Nitrogen Ammonia nitrogen Carbonaceous Bic Corbonaceous Bic Coygen Demand Dissolved Copper Copper (Cu) Dissolved Copper Dissolved Reactive Phosphorus Dissolved Zinc Zinc (Zn) Enumeration of Er Enumeration of Fa Escherichia col Enumeration of Fa Escherichia col	RESULTS IBUD9/2024 Surface Water GF RESULTS a 9.25 behemical Oxygen Dem emical 11 0.0016 e Phosphorus 5.02 0.008 Interococci by Membran a 3200 scherichia coli by Memi 13000 recal Coliforms by Mem >6000	mgil and mgil mgil mgil e Fitration cfu'100 mi forane Fitration cfu'100 mi forane Fitration cfu'100 mi	Analysis Ending Date: Sampled Date & Time 0.001 1 0.0005 0.002 0.002 100 100 100	27/09/2024 18/09/2024 11:01
Analysi Product Sample NW676 NW016 NW016 NW016 NW016 NW016 NW016 SPOLT R SEPOLT R	s Started on: t Type r(s) Ammonia Nitrogen Ammonia nitrogen Carbonaceous Bio Carbonaceous Bio Corygen Demand Dissolved Copper Copper (Cu) Dissolved Copper Copper (Cu) Dissolved Reactive Phosphorus Dissolved Zinc Zinc (Zn) Enumeration of Er Enterrococcue Specie Enumeration of Fa Escherichia col Enumeration of Fa Eacel Colforms	RESULTS IBUD9/2024 Surface Water GF RESULTS a 9.25 behemical Oxygen Dem emical 11 0.0016 e Phosphorus 5.02 0.008 Interococci by Membran a 3200 scherichia coli by Membran a 3200 scherichia coli by Membran beherichia coli by Membran a 3200 scherichia coli by Membran	mgil and mgil mgil mgil e Fitration cfu'100 mi cfu'100 mi cfu'100 mi cfu'100 mi	Analysis Ending Date: Sampled Date & Time 0.001 1 0.0005 0.002 0.002 0.002 100 100 100 100 100	27/09/2024 18/09/2024 11:01
Analysi Product Sample NW676 NW016 NW108 NW108 NW125 ZM0U1 ZM2FX UMY2E Eurofins E 85 Port R Seaview	s Started on: t Type r(s) Ammonia Nitrogen Ammonia nitrogen Carbonaceous Bio Carbonaceous Bio Carbonaceous Bio Corgen Demand Dissolved Copper Copper (Cu) Dissolved Copper Copper (Cu) Dissolved Reactive Phosphorus Dissolved Zinc Zinc (Zn) Enumeration of Est Escherichia col Enumeration of Fa Faecal Colforms ELS Limited bad	RESULTS IB/09/2024 Surface Water GF RESULTS a 9.25 behemical Oxygen Dem emical 11 0.0016 e Phosphorus 5.02 0.006 Interococci by Membran s 3200 scherichia coli by Membran s 3200 scherichia coli by Membran s 3200	mgli mgli mgli mgli e Filtration chu'100 mi chu'100 mi chu'100 mi	Analysis Ending Date: Sampled Date & Time 0.00 0.01 1 0.0005 0.002 0.002 0.002 10 100 100 10 100 10 100	27/09/2024 18/09/2024 11:01
Analysi Product Sample NW676 NW016 NW108 NW673 NW125 ZM0U1 ZM2FX UMY2E Eurofins E 85 Port Ri S5 Port Ri S5 Port Ri S5 Port Ri S5 Port Ri	s Started on: t Type r(s) Ammonia Nitrogen Ammonia nitrogen Carbonaceous Bioch Corgen Demand Dissolved Copper Copper (Cu) Dissolved Reactive Phosphorus Dissolved Zinc Zinc (Zn) Enumeration of Er Enterococcus Species Enumeration of Fa Enumeration of Fa Enumeration of Fa Enumeration of Fa Enumeration of Fa Enumeration of Fa	RESULTS BUD9/204 Surface Water GF RESULTS a 9.25 schemical Oxygen Dem emical 11 0.0016 e Phosphorus 5.02 0.008 merococci by Membran s 3200 scherichia coli by Memi 13000 mecal Coliforms by Memi >0000	mgli mgli mgli mgli e Fitration churtoo mi churtoo mi torane Fitration churtoo mi	Analysis Ending Date: Sampled Date & Time 0.00 0.01 1 0.0005 0.002 0.002 0.002 10 1000 10 1000 10 1000	27/09/2024 18/09/2024 11:01

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		Food &	Water Tes	sting		
		RESULTS		LOQ		
NW010	Nitrate-N Nitrate-N	0.01	mgil	0.01		
NW008	Nitrite-N Nitrite Nitrogen as N	<0.01	mgt	0.01		
@NW388	Salinity Salinity	<2	ppt	2		
NW212	Turbidity Turbidity	4.68	NTU	0.01		



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### Food & Water Testing ANALYTICAL REPORT

REPOR	T CODE	AR-24-NW-0579	63-01	REPORT DATE	27/09/2024
Attention	Veolia Water - COA Email Wastewater Tr P.O. Box 1474	Wellington eatment Plant 4			
	WELLINGTON	6041			
	Wellington				
	NEW ZEALAN	D			
Phone	(04) 388 0067	i ma nafita sta			
Contact	for your orders:	Deb Bottril		Order code:	EUNZWE-00206841
Contrac	t:	Seaview Discharge Testi	ng		
Submis	sion Reference:	Seaview Discharge Day	5	Purchase Order Numb	er: 7300398813
SAMPL	E CODE	812-2024-00135721			
Sample	Name	Bell Road	d Dridge		
Sample	g Point code:	SEA_DIS_DOWN_BELL	a bridge RD	Sampling Point name:	Downstream of the Bell Road Bridge
Reception	on Date & Time:	19/09/2024 12:30			
Analysis	s Started on:	19/09/2024		Analysis Ending Date:	25/09/2024
Sample	rype r(s)	GF		sampled Date & Time	1909/2024 10:30
		RESULTS		100	
NW676	Ammonia Nitroge	0			
	Ammonia nitrogen	0.05	mgil	0.01	
NW016	Carbonaceous Bio	ochemical Oxygen Dema	ind		
	Carbonaceous Bioch Oxygen Demand	emical <3	mgfi	1	
NW108	Dissolved Copper Copper (Cu)	0.0039	mgli	0.0005	
NW673	Phosphorus	0.082	mgil	0.002	
7945125	Zinc (Zn)	0.023	mgfi	0.002	
200001	Enumeration of El Enterococcus Specie	is 1200	efu/100 ml	10	
ZM2FX	Enumeration of E	scherichia coli by Memb	rane Filtration		
	Escherichia coli	<1000	cfu/100 ml	1000	
UMY2E	Enumeration of Fa	aecal Coliforms by Memi	brane Filtratio	n	
	Faecal Coliforms	210	cfu/100 ml	10	
NW010	Nitrate-N	0.99	mail		
NW008	Mitrite-M		inge:	0.01	
	Nitrite Nitrogen as N	<0.01	mgfi	0.01	
@NW388	Salinity		-		
	Salinity	<2	ppt	2	
NW212	Turbidity Turbidity	10.1	NTU	0.01	
Eurofins E	LS Limited			Phone ·	64 4 576 5016
85 Port Ro	bad			www.eurofins.co.nz	CON PECKINGO
Seaview Lower Hot	t				ilan una
Wellington NEW ZEA	5010 LAND				

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# Food & Water Testing RESULTS

LOQ

SAMPL	E CODE	812-2024-00135722			
Sample	Name	Walwhetu Pa			
Sample	Reference	Waiwhetu Pa			
Samplin	g Point code:	SEA_DIS_WAIWHETU_	PA	Sampling Point name:	Waiwhetu Pa
Reception	on Date & Time:	19/09/2024 12:30			
Analysis	s Started on:	19/09/2024		Analysis Ending Date:	25/09/2024
Product	Туре	Surface Water		Sampled Date & Time	19/09/2024 11:38
Sampler	n(s)	GF			
		RESULTS		100	
		REDUEIO		204	
NW676	Ammonia Nitroge	n			
	Ammonia nitrogen	0.17	mgfi	0.01	
NW016	Carbonaceous Bio	ochemical Oxygen Dema	nd		
	Carbonaceous Bloch	emical <8	mgfi	1	
	Oxygen Demand				
NW108	Dissolved Copper	·			
	Copper (Cu)	0.0009	mgfi	0.0005	
NW673	Dissolved Reactly	e Phosphorus	-		
1111010	Bheenhous	0.048	mail	0.002	
	Phosphorus		inge	0.002	
NW125	Dissolved Zinc				
	Zinc (Zn)	0.011	mgfi	0.002	
ZMOU1	Enumeration of E	nterococci by Membrane	Filtration		
	Enterococcus Specie	s 700	cfu/100 ml	10	
ZM2FX	Enumeration of E	scherichia coli by Memb	rane Filtration		
	Escherichia coli	<1000	cfu/100 ml	1000	
LIMV2E	Enumeration of E	anal Coliforms by Nami	anna Elitratio		
ONTIC	Enumeration of Pa	1300	stuises al		
	Parecai Condinita		CILP IGO HI	10	
NW010	Nitrate-N	0.50			
	Nitrate-N	0.50	mg(l	0.01	
NW008	Nitrite-N				
	Nitrite Nitrogen as N	<0.01	mgfi	0.01	
© NW388	Salinity				
	Sainty	<2	ppt	2	
NW212	Turbidity				
	Turbidity	109	NTU		
	( alouty		in the	0.01	
0.000	E 000E	813 3831 66195739			
SAMPL	E CODE	812-2024-00136/23			
Sample	Name	Port Road			
Sample	Reference	Upstream of Port Road B	indge		Lingham of Red Read Ridge
Samplin	g Point code:	ADDODDAL 43/00	AD	Sampling Point name:	upsream or Port Hoad Broge
Applexia	on Date & Time:	19/09/2024 12:30		Analyzic Ending Date:	24/09/2024
Brochest	Tupe	Curface Mater		Analysis chang balle:	10000001 44.54
Sampler	-ype	Contacte mater		sampled Date & Time	19/09/20/24 11:01
sampler	(2)	ur .			
		RESULTS		LOQ	
NW676	Ammonia Nitroge	n			
	Ammonia nitrogen	0.07	mgfl	0.01	
NW016	Carbonaceous Bio	chemical Oxygen Dema	nd		
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			

1	eurofin	s			AR-24-NW-057953-01	Page 3 of 5
		Food	& Water Tes	ting		
		RES	ULTS	LOQ		
NW016	Carbonaceous Bio	chemical Oxyge	n Demand			
	Carbonaceous Bloch Oxygen Demand	amical <3	mgli	1		
NW108	Dissolved Copper Copper (Cu)	0.0010	mgli	0.0005		
NW673	Dissolved Reactive Phosphorus	e Phosphorus 0.025	mgli	0.002		
NW125	Dissolved Zinc Zinc (Zn)	0.023	mgli	0.002		
ZMOU1	Enumeration of Er	nterococci by Me	mbrane Filtration			
	Enterococcus Species	s 480	cfu/100 ml	10		
ZM2FX	Enumeration of Es	scherichia coli by <1000	Membrane Filtration	1050		
LIMV2E	Enumeration of Fa	eral Coliforms h	v Membrane Elitratio	1000		
	Faecal Coliforms	600	ctu/100 ml	10		
NW010	Nitrate-N Nitrate-N	0.55	mgfi	0.01		
NW008	Nitrite-N Nitrite Nitrogen as N	<0.01	mail	0.01		
@NW388	Salinity	2	pot	2		
NW212	Turbidity			-		
	Turbidity	12.1	NTU	0.01		
SAMPL	E CODE	812-2024-0013	5724			
Sample	Name	Discharge				
Sample Samplin	Reference ig Point code:	Effluent Discharg SEA_DIS_WAIW	e to Walwhetu Stream HETU	Sampling Point name	Effluent Discharge to V	aiwhetu
Reception	on Date & Time:	19/09/2024 12:3	o		Stream	
Analysis	s Started on:	19/09/2024		Analysis Ending Date:	27/09/2024	
Product	t Type	Surface Water		Sampled Date & Time	19/09/2024 11:20	
		RES	ULTS	LOQ		
NW676	Ammonia Nitroger	n				
	Ammonia nitrogen	13.4	mgfi	0.01		
NW016	Carbonaceous Bioche Carbonaceous Bioche	chemical Oxyge anical <sup>13</sup>	n Demand mgli	1		
NW108	Oxygen Demand Dissolved Copper					
	Copper (Cu)	0.0013	mgfi	0.0005		
NW673	Dissolved Reactly Phosphorus	e Phosphorus 0.690	mgli	0.002		
NW125	Dissolved Zinc Zinc (Zn)	0.004	ngl	0.002		
<b>ZM</b> 0U1	Enumeration of En	nterococci by Me s 2600	mbrane Filtration	10		
ZM2FX	Enumeration of Es	scherichia coli by 8000	Membrane Filtration	1050		
UMY2E	Enumeration of Fa	ecal Coliforms b	y Membrane Filtratio	n		
Eurofins E	LS Limited			Phone	+64 4 576 5016	
85 Port Ro	bad			www.eurofins.co.nz	XON.	*CCATO/150
Lower Hut	t				ilac-way	LANG
Weington 5010 NEW ZEALAND						

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		Food & W	Vater Test	ing
		RESULTS		LOQ
UMY2E	Enumeration of Faeca	I Coliforms by Mer	mbrane Filtration	1
	Faecal Coliforms	4200	cfu/100 ml	10
NW010	Nitrate-N			
	Nitrate-N	<0.01	mgfl	0.01
NW008	Nitrite-N	-0.01		
	Nitrite Nitrogen as N	40.01	mg/l	0.01
NW388	Salinity	-		
	Salinity	*2	ppt	2
NW212	Turbidity	5.50		
	Turbidity	2.20	NTU	0.01



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### Food & Water Testing ANALYTICAL REPORT

REPOR	RT CODE	AR-24-NW-058	132-01	REPORT DATE	27/09/2024
Attention	<ul> <li>Veolia Water - COA Email</li> <li>Wastewater Tr P.O. Box 1474</li> <li>WELLINGTON</li> </ul>	Wellington reatment Plant 14 N 6041			
	Wellington				
	NEW ZEALAN	aD .			
Email	(04) 388 0067 anz eurolina.coa.r	all groups@veola.com			
Contact	for your orders:	Deb Bottrill		Order code:	EUNZ/VE-00206383
Contrac Submis	t: sion Reference:	Seaview Discharge Tes Seaview Discharge Da	ang y6	Purchase Order Numb	er: 7300398813
SAMPL	E CODE	812-2024-00137339			
Sample Sample Samplir Recepti Analysi	Name Reference Ig Point code: on Date & Time: s Started on:	Bell Road Downstream of Bell Ro SEA_DIS_DOWN_BEL 20/09/2024 11:10 20/09/2024	ad Bridge JURD	Sampling Point name: Analysis Ending Date:	Downstream of the Bell Road Bridge
Product	t Type r(s)	Surface Water GF		Sampled Date & Time	20/09/2024 10:03
		RESULTS		LOQ	
NW676	Ammonia Nitroge	n			
	Ammonia nitrogen	0.06	mgti	0.01	
NW016	Carbonaceous Bit Carbonaceous Bioch Oxygen Demand	ochemical Oxygen Den emical <3	mgfi	1	
NW108	Dissolved Copper Copper (Cu)	0.0012	mgti	0.0005	
NW673	Dissolved Reactly Phosphorus	e Phosphorus 0.008	mgli	0.002	
NW125	Dissolved Zinc Zinc (Zn)	0.022	mgfi	0.002	
ZMOU1	Enumeration of E Enterococcus Specie	interococci by Membrar 19 200	cfu/100 mi	10	
ZM2FX	Enumeration of E	scherichia coli by Mem <1000	brane Filtration	1000	
UMY2E	Enumeration of F	aecal Coliforms by Mer	nbrane Filtratio	n	
	Faecal Colforms	800	cfu/100 ml	10	
NW010	Nitrate-N Nitrate-N	0.65	mgfi	0.01	
NW008	Nitrite-N Nitrite Nitrogen as N	<0.01	mgfi	0.01	
DNW388	Salinity Salinity	<2	ppt	2	
NW212	Turbidity Turbidity	7.70	NTU	0.01	
Eurofins E 85 Port Re Seaview Lower Hut Wellingtor NEW ZEA	3LS Limited aad t 15010 LAND			Phone www.eurofins.co.nz	-64 4 576 5016

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#### Food & Water Testing RESULTS LOQ

		1000001	Tutor Too	ang	
		RESULTS	8	LOQ	
CAMPI	E CODE	912-2024-00127340			
SAMPL	E CODE	012-2024-00107040			
Sample	Name	Waiwhetu Pa			
Sample	Reference	Waiwhetu Pa			Martin Araba Ba
Samplin	ig Point code:	SEA_DIS_WAIWHETU	I_PA	Sampling Point name:	warwhetu Pa
Recepti	on Date & Time:	20/09/2024 11:10			
Analysi	s Started on:	20/09/2024		Analysis Ending Date:	27/09/2024
Product	t Type	Surface Water		Sampled Date & Time	20/09/2024 10:44
Sample	r(s)	GF			
		RESULTS		100	
L		REPORT		204	
NW676	Ammonia Nitroge	n			
	Ammonia nitrogen	0.09	mg/l	0.01	
NW016	Carbonaceous Bi	ochemical Oxygen Der	nand		
	Carbonaceous Bioch	amiral <8	mall	,	
	Oxygen Demand				
MAHOR	Dissolved Copper				
1494 100	Conserved Copper	0.0008	mal		
	copper (cu)		mgn	0.0005	
NW673	Dissolved Reactly	ve Phosphorus			
	Phosphorus	0.023	mgfi	0.002	
NW125	Dissolved Zinc				
	Time (Ta)	0.014	mal	0.000	
-	THE PUL		inger	0.002	
ZM0U1	Enumeration of E	nterococci by Membra	ne Filtration		
	Enterococcus Specie	19 500	cfu/100 ml	10	
ZM2FX	Enumeration of E	scherichia coli by Men	brane Filtratio	n	
	Escherichia coli	<1000	cfu/100 ml	1000	
LIMV2E	Enumeration of E	accal Coliforms by New	mbrane Elitratio		
ON THE	Enumeration of P	800 800	morane Filinaus		
	Pateral Continues		CID/100 HI	10	
NW010	Nitrate-N				
	Nitrate-N	0.50	mg/l	0.01	
NW008	Nitrite-N				
	Nitrite Nitrogen as N	<0.01	mali	0.01	
(hanana	Enlight.				
@NW388	salinity	2			
	Salinity	-	ppt	2	
NW212	Turbidity				
	Turbidity	117	NTU	0.01	
SAMPI	E CODE	812-2024-00137341			
O/IMPL	2 0002	Dart Board			
Sample	Name	Lingtenam of Dart Dara	d Bridge		
Cample	Relet code:	SEA DIS LIP PORTS	DAD	Sampling Boint same:	Linstream of Port Road Bridge
Basepti	ig Point code:	20/09/2024 11:10		sampling Point name:	operation of Forthoad bridge
Anabasi	on Date & Time: s Started on:	20/09/2024 11:10		Analyzic Ending Date:	27/00/2024
Brades	Stantes on:	European Mater		Analysis Ending Date:	2.709/2024
Frequet	- type	outage water		sampled Date & Time	20/09/20/24 10:53
sample	n(s)	GP			
		RESULTS	5	LOQ	
NW676	Ammonia Nitroge	0			
	Ammonia nitroaen	0.06	mali	0.01	
	· · · · · · · · · · · · · · · · · · ·			W.W.I	

NW016 Carbonaceous Biochemical Oxygen Demand

4	eurofins				AR-24-NW-058132-01	Page 3 of 5
		Food & W	ater Tes	ting		
		RESULTS		LOQ		
NW016	Carbonaceous Bloc	hemical Oxygen Demi	and			
	Carbonaceous Blocher Oxygen Demand	nical <3	mgfi	1		
NW108	Dissolved Copper Copper (Cu)	0.0010	mgfi	0.0005		
NW673	Dissolved Reactive Phosphorus	Phosphorus 0.012	mgfi	0.002		
NW125	Dissolved Zinc Zinc (Zn)	0.020	mal	0.002		
<b>ZM</b> 0U1	Enumeration of Ent	erococci by Membran 250	Filtration	50		
ZM2FX	Enumeration of Esc	herichia coli by Memb	rane Filtration	1000		
UMY2E	Enumeration of Fac	cal Coliforms by Mem	brane Filtration	1000		
NW010	Faecal Coliforms Nitrate-N	200	cfu/100 ml	10		
NW008	Nitrate-N Nitrite-N	0.48	mgfl	0.01		
@NW388	Nitrite Nitrogen as N Salinity	<0.01	mgfi	0.01		
- NW212	Salinity	2	ppt	2		
	Turbidity	4.89	NTU	0.01		
SAMPL	E CODE	812-2024-00137342				
Sample	Name	Discharge				
Sample Samplir	Reference ng Point code:	Effuent Discharge to We SEA_DIS_WAIWHETU	awhetu Stream	Sampling Point name:	Effluent Discharge to V&	iwhetu
Recepti	ion Date & Time:	20/09/2024 11:10			Coulom	
Analysi	s Started on:	20/09/2024		Analysis Ending Date:	27/09/2024	
Sample	riype :	Sufface Water 3F		Sampled Date & Time	20/09/2024 10:26	
		RESULTS		LOQ		
NW676	Ammonia Nitrogen					
	Ammonia nitrogen	17.1	mgti	0.01		
NW016	Carbonaceous Bloc	hemical Oxygen Demi	and			
	Carbonaceous Blocher Oxygen Demand	nical 14	mgti	1		
NW108	Dissolved Copper Copper (Cu)	0.0013	mgil	0.0005		
NW673	Dissolved Reactive Phosphorus	Phosphorus 1.25	mgil	0.002		
NW125	Dissolved Zinc Zinc (Zn)	0.008	mgti	0.002		
ZMOU1	Enumeration of Ent Enterococcus Species	erococci by Membrane >8000	e Filtration cfu/100 ml	10		
ZM2FX	Enumeration of Esc Escherichia coli	therichia coli by Memb 30000	ctu/100 ml	1000		
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Seaview						
NEW ZEA	n 5010 ALAND				INGC-MIRA	Care and

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		Food & Water Testing		
		RESULTS		LOQ
UMY2E	Enumeration of Faecal Coliforms by Membrane Filtration			
	Faecal Colforms	>6000	cfu/100 ml	10
NW010	Nitrate-N Nitrate-N	<0.01	mgli	0.01
NW008	Nitrite-N Nitrite Nitrogen as N	<0.01	mgli	0.01
@ NW388	Salinity Salinity	<2	ppt	2
NW212	Turbidity Turbidity	4.19	NTU	0.01

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