
# Investigation report - Porirua UVT Event - 2 May 2025

## Control Sheet

| | |
|---|---|
| **Document Title:** | Investigation report - Porirua UVT Event 2 May 2025 |
| **Prepared by:** | [redacted] |
| **Reviewed by:** | [redacted] |
| **Authorised by:** | [redacted] |

## Document Control

| Version | Status | Date | Details of Revision |
|---|---|---|---|
| 0.1 | Draft | 20 May 2025 | Draft Investigation report - Porirua UV Event May 2025 |
| 0.2 | Review | 21 May 2025 | Internal Review |
| 1.0 | Final | | Approved for release |

| Veolia Internal Distribution | Position | Email |
|---|---|---|
| [redacted] | Regional Lead | [redacted] |
| [redacted] | Northern Region Treatment Supervisor | [redacted] |
| [redacted] | Process Engineer | [redacted] |

| External Distribution | Position | For | Email |
|---|---|---|---|
| [redacted] | Senior Advisor Wastewater Assets and Operations | WWL | [redacted] |
| [redacted] | Wastewater Contracts Manager | WWL | [redacted] |

Table of contents


Control Sheet 1
Document Control 1
Incident Outline 3
Chronology 4
Process Quality Control 6
UVT Trends 6
Inlet Flows Porirua WWTP 9 April - 7 May 2025 7
Shoreline Monitoring Results 1 - 5 May 2025 10
Notification 11
Conclusion 11
Appendix A - Photos 12
Appendix B - Notifications 16

## Incident Outline

| | |
|---|---|
| **Date** | 20 May 2025 |
| **Location** | Porirua Waste Water Treatment Plant (PWWTP) |
| **Consent Ref** | Resource Consent WGN200229 [36816] applies, specifically conditions 12B, 12C and 12D. |
| **Background** | Average hourly UV transmissivity fell below 45% on 30 April.<br><br>As per conditions referred above, if / when the hourly average UV transmissivity reduces below 45% the Regional Council is to be notified and an investigation shall be undertaken. |
| **Description** | On 30 April, the Porirua Wastewater Treatment Plant experienced significant hydraulic overloading due to high flows[1]. As a result of these high flows, all clarifiers reached maximum capacity, leading to an unplanned discharge.<br><br>The UVT sensors in both channels recorded zero / near zero readings between 30 April - 2 May.<br><br>**Consent Requirements:**<br>If the hourly average UV transmissivity recorded in accordance with 12C reduces below 45% it is a consent requirement to:<br>a. Notify the Manager as soon as practicable; and<br>b. Initiate an investigation that meets the following requirements.<br><br>Action (a) was completed on 5 May in the discharge notifications (appended).<br><br>This report addresses action (b). The investigation must be communicated within 10 days of the event, which, in this instance, is Wednesday 14 May.<br><br>It must address the following four details:<br>1. Consider the results of the suspended solids monitoring, UV transmissivity from the daily grab samples, and other relevant plant performance measurements routinely taken by the consent holder.<br>2. Assess the likely cause of the UV transmissivity reducing below 45%.<br>3. If considered necessary, recommend further investigations, improvements, operational actions (including changes to the Operational Management and Contingency Plan (OMCP)) or upgrades to reduce the risk of similar UV transmissivity records occurring in the future.<br>4. Include an implementation programme for any recommendations. |

[1] Severe weather at the time caused weather-related discharges for all four WWTPs in Wellington.

| Chronology | | |
|---|---|---|
| **Date** | **Time** | **Activity** |
| 30 April | 21:18 | Discharge commences |
| 30 April | 22:33 | Initial discharge notification issued. It noted<br>● The discharge was unconsented,<br>● Partially treated wastewater was being discharged,<br>● UVT was below 45% (instant value),<br>● Elevated clarifier blanket levels indicate a sludge carry-over occurring due to high flows into the Plant. |
| 1 May | 05:12 | Discharge ceases |
| 1 May | 09:18 | Discharge resumes |
| 1 May | 13:12 | Discharge ceases |
| 2 May | 03:24 | Discharge resumes |
| 2 May | 14:58 | Discharge ceases |
| 2 May | 17:24 | Discharge resumes |
| 2 May | 22:31 | Discharge ceases |
| 5 May | 12:53 | Four final discharge notifications issued. Each noted:<br>● The discharge was unconsented,<br>● Average and peak inflows,<br>● Was caused by high rainfall that exceeded the Plant's capacity,<br>● UVT was below 45% (UVT sensors in both channels recorded zero / near zero readings on four instances between 30 April - 2 May),<br>● Signs placed along coastline to alert water users,<br>● Sampling monitoring initiated (see results below),<br>● Sludge carry-over occurred due to high flows into the Plant,<br>● Operators were working to minimise any carryover,<br>● Duration of discharge and<br>● Volume discharged. |

| Ref | Consent WGN200229 [36816] - Condition 12D Investigation Scope | |
|---|---|---|
| a | Notify the Manager as soon as practicable | Notification issued on 5 May 2025 |
| b ii | Results of the suspended solids monitoring, UV transmissivity from the daily grab samples, and other relevant plant performance measurements routinely taken. | Refer Process / Quality Control section below. |
| b iii | Assessment of the likely cause of the UV transmissivity reducing below 45%. | The region experienced a significant weather event that impacted all four WWTPs.<br><br>On 30 April 2025 at 21:18 the Porirua Wastewater Treatment Plant experienced significant hydraulic overloading due to high flows.<br>As a result of these high flows, all clarifiers reached maximum capacity, leading to an unplanned discharge and impacted the UV transmissivity. |
| b iv | If considered necessary, recommend further investigations, improvements, operational actions (including changes to the OMCP) or upgrades to reduce the risk of similar UV transmissivity records occurring in the future. | A **solid reduction programme** is planned to bring down the solids to reduce the clarifier blanket level. This is expected to provide more capacity for the clarifiers to receive high flow and reduce the risk of solid carry over during rain events. |
| b v | Include an implementation programme for any recommendations. | This will be a multi-day programme (estimated at 14 days) to reduce the MLSS in aeration basin from ~6000 mg/l to ~4000-4500 mg/L (the target recommended by Stantec is 3500 mg/l)<br><br>This work involves increasing sludge production by dewatering more and moving more bins out of the plant to the landfill. After the initial (14 day) period, the results will be assessed and evaluated for effect.<br><br>Improving sludge handling capacity, so it doesn't build up in the system, will reduce the risk of Sludge carry-over occurring with the consequential impact on the UV systems. |

## UVT Trends

**Figure 1: UVT SCADA Trend - TAK system 30 April - 5 May 2025**

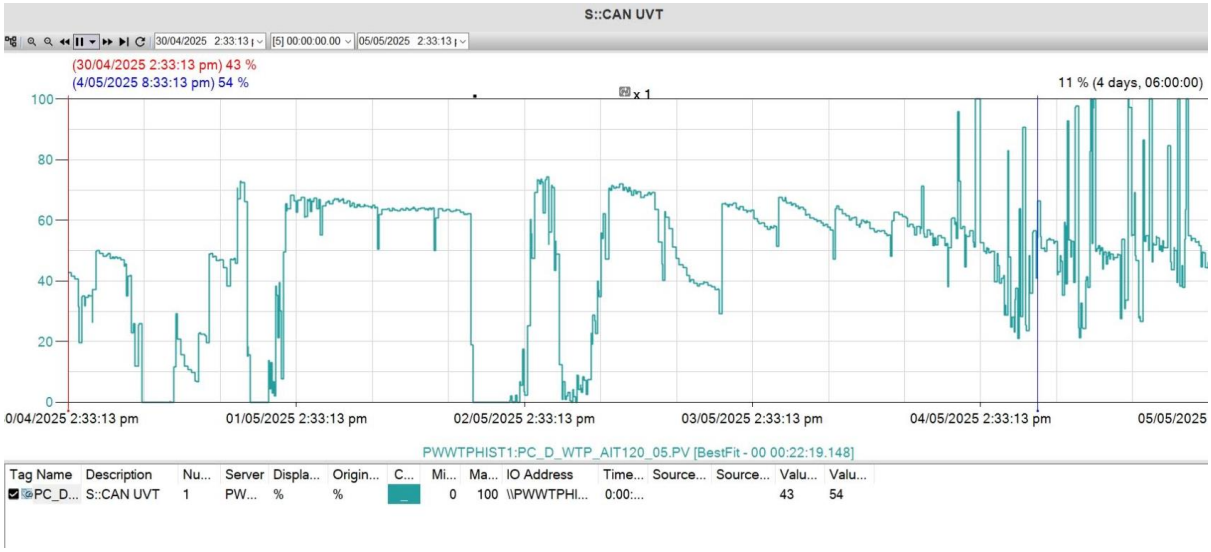
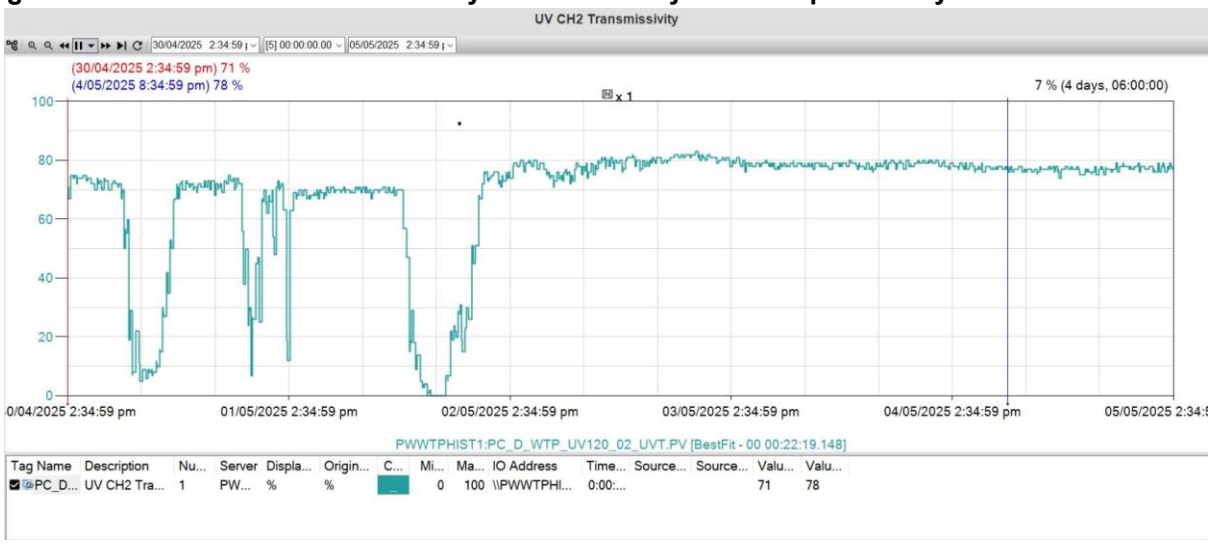



**Figure 2: UVT SCADA Trend - Duron System - Duron system 30 April - 5 May 2025**



| Inlet Flows Porirua WWTP 9 April - 7 May 2025 | | | |
|---|---|---|---|
| Day | Average | Peak | Total |
| | L/s | L/s | m3 |
| 9 Apr | 251 | 835 | 21,675 |
| 10 Apr | 236 | 839 | 20,353 |
| 11 Apr | 221 | 823 | 19,133 |
| 12 Apr | 244 | 850 | 21,057 |
| 13 Apr | 250 | 858 | 21,605 |
| 14 Apr | 230 | 818 | 19,889 |
| 15 Apr | 227 | 842 | 19,596 |
| 16 Apr | 217 | 844 | 18,710 |
| 17 Apr | 208 | 876 | 17,947 |
| 18 Apr | 237 | 1,201 | 20,492 |
| 19 Apr | 238 | 856 | 20,552 |
| 20 Apr | 506 | 1,422 | 43,737 |
| 21 Apr | 369 | 1,238 | 31,898 |
| 22 Apr | 259 | 852 | 22,378 |
| 23 Apr | 248 | 858 | 21,407 |
| 24 Apr | 243 | 1,214 | 21,003 |
| 25 Apr | 248 | 857 | 21,398 |
| 26 Apr | 237 | 860 | 20,520 |
| 27 Apr | 265 | 859 | 22,915 |
| 28 Apr | 236 | 860 | 20,404 |
| 29 Apr | 237 | 860 | 20,488 |
| 30 Apr | 627 | 1,288 | 54,161 |
| 1 May | 693 | 1,325 | 59,902 |
| 2 May | 826 | 1,303 | 71,405 |

| | | | |
|---|---|---|---|
| 3 May | 434 | 1,201 | 37,535 |
| 4 May | 302 | 831 | 26,101 |
| 5 May | 267 | 836 | 23,045 |
| 6 May | 242 | 846 | 20,949 |
| 7 May | 239 | 848 | 20,667 |

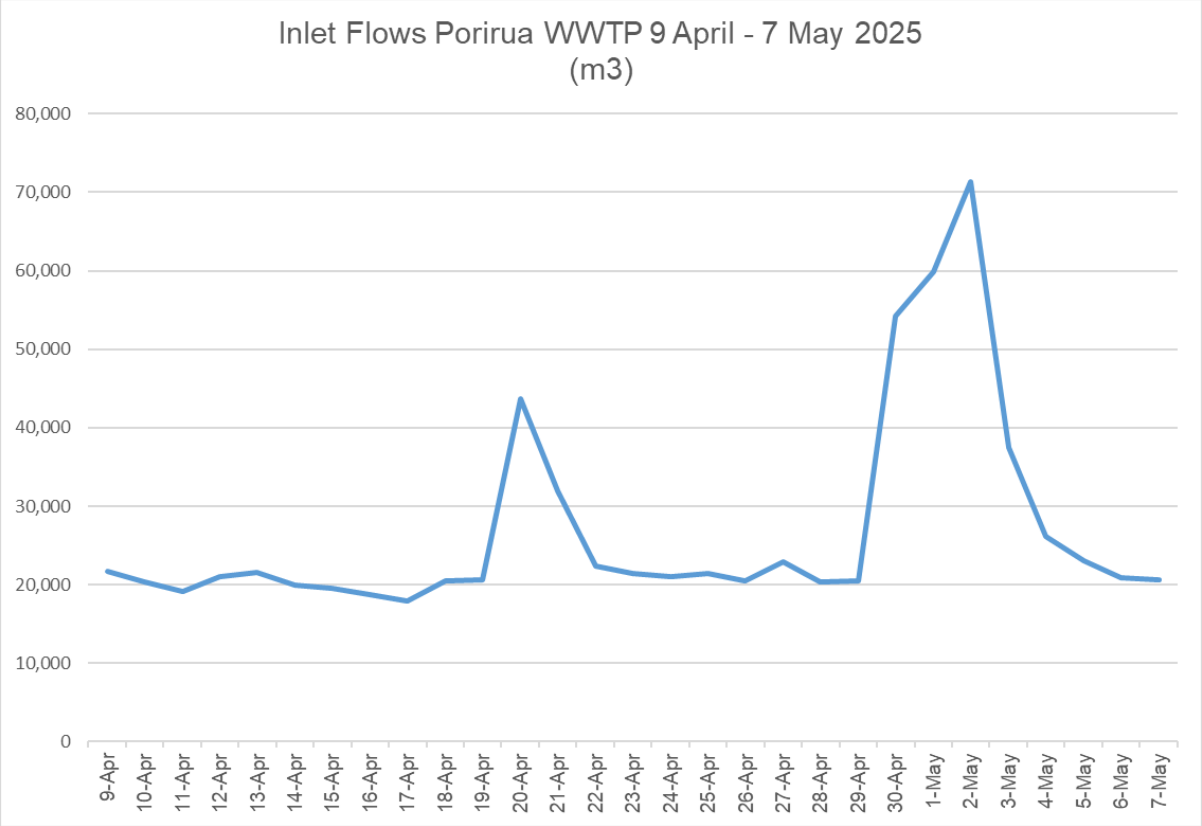



**Table 1 and Figure 3 - Porirua WWTP Inflows - April 2025**

Table 1 and figure 3 above shows a significant spike for inflows on 20th and 21st April.

| $BOD_5$ (NZ.WEL.POR.WE01.TOT_BOD5.DRESULT) | | | | | |
|---|---|---|---|---|---|
| | Daily Results | 90 Day Geometric Mean | 90 Day Percentile | Limit | |
| Date | g/m3 | g/m3 | g/m3 | Geometric Mean | Percentile |
| 30/04/2025 | 82 | 15.9 | 31 | 30 | 90 |
| 01/05/2025 | 42 | 16.2 | 31.2 | 30 | 90 |
| 02/05/2025 | 27 | 16.5 | 31.2 | 30 | 90 |
| 03/05/2025 | 9 | 16.5 | 31.2 | 30 | 90 |
| 04/05/2025 | 15 | 16.6 | 31.2 | 30 | 90 |

| | | | | | |
|---|---|---|---|---|---|
| 05/05/2025 | 19 | 16.8 | 31.2 | 30 | 90 |
| 06/05/2025 | 14 | 16.9 | 31.2 | 30 | 90 |
| 07/05/2025 | 11 | 17 | 31.2 | 30 | 90 |

**Table 2 - BOD5 results 21-24 April 2025**

| Suspended Solids (NZ.WEL.POR.WE01.TSS.DRESULT) | | | | | |
|---|---|---|---|---|---|
| | Daily Results | 90 Day Geometric Mean | 90 Day Percentile | Limit | |
| Date | g/m3 | g/m3 | g/m3 | Geometric Mean | Percentile |
| 30/04/2025 | 268 | 8.3 | 16.3 | 30 | 90 |
| 01/05/2025 | 117 | 8.6 | 19 | 30 | 90 |
| 02/05/2025 | 42 | 8.8 | 19.1 | 30 | 90 |
| 03/05/2025 | 6 | 8.7 | 19.1 | 30 | 90 |
| 04/05/2025 | 6 | 8.7 | 19.1 | 30 | 90 |
| 05/05/2025 | 9 | 8.7 | 19.1 | 30 | 90 |
| 06/05/2025 | 6 | 8.8 | 19.1 | 30 | 90 |
| 07/05/2025 | 6 | 8.8 | 19.1 | 30 | 90 |

**Table 3 - Suspended Solids results 21-24 April 2025**

| Clarifier blanket height levels (meters) | | | | | | |
|---|---|---|---|---|---|---|
| | Morning | | | Afternoon | | |
| Date | #1 | #2 | #3 | #1 | #2 | #3 |
| 30/04/2025 | 2.5 | 1.7 | 0.5 | 2.6 | 2.0 | 0.5 |
| 01/05/2025 | 3.0 | 3.0 | 2.0 | 3.0 | 2.9 | 2.5 |
| 02/05/2025 | 3.0 | 2.8 | Full | Full | 3.0 | Fu;; |
| 03/05/2025 | 2.5 | 2.0 | 0.5 | Saturday - no reading taken | | |
| 04/05/2025 | 2.2 | 1.8 | 0.3 | Sunday - no reading taken | | |
| 05/05/2025 | 1.3 | 1.0 | 0.7 | 1.5 | 0.8 | 0.7 |
| 06/05/2025 | 1.7 | 1.1 | 0.8 | 1.5 | 1.4 | 0.6 |
| 07/05/2025 | 1.4 | 1.7 | 0.6 | 1.5 | 2.0 | 0.5 |

**Table 4 - Clarifier blanket height levels 21-24 April 2025**

## Shoreline Monitoring Results 1 - 5 May 2025

| Date | Time | Total Ammonia Nitrogen | Dissolved Reactive Phosphorus | Enterococci | Nitrate Nitrogen | Nitrite Nitrogen | Salinity | Total Nitrogen | Total Phosphorus |
|---|---|---|---|---|---|---|---|---|---|
| dd/mm | hh:mm | g/m3 | g/m3 | cfu/100mL | g/m3 | g/m3 | ppt | g/m3 | g/m3 |
| Control | | | | | | | | | |
| 01/05/2025 | 08:01 | <0.01 | 0.005 | 180 | <0.1 | <0.1 | 34 | 0.128 | <0.025 |
| 02/05/2025 | 10:17 | 0.94 | <0.002 | 80 | <0.1 | <0.1 | 35 | 0.197 | 0.062 |
| 03/05/2025 | 09:46 | 0.27 | <0.002 | 20 | <0.1 | <0.1 | 34 | 0.180 | 00.43 |
| 04/05/2025 | 09:30 | 0.31 | <0.002 | <10 | <0.1 | <0.1 | 35 | 0.255 | 0.057 |
| 05/05/2025 | 07:53 | 0.32 | <0.002 | <10 | <0.1 | <0.1 | 35 | 0.195 | 0.050 |
| 140m East of Outfall | | | | | | | | | |
| 01/05/2025 | 08:49 | 0.29 | 0.031 | 70 | <0.1 | 0.14 | 35 | 0.299 | 0.108 |
| 02/05/2025 | 09:44 | 0.26 | 0.013 | 120 | <0.1 | <0.1 | 35 | 0.308 | 0.147 |
| 03/05/2025 | 09:21 | 0.29 | 0.034 | <10 | <0.1 | <0.1 | 35 | 0.207 | 0.058 |
| 04/05/2025 | 08:46 | 0.27 | 0.014 | <10 | <0.1 | <0.1 | 34 | 0.493 | 0.060 |
| 05/05/2025 | 08:30 | 0.27 | 0.010 | 20 | <0.1 | <0.1 | 35 | 0.265 | 0.048 |
| 200m South West of Outfall | | | | | | | | | |
| 01/05/2025 | 08:57 | 0.02 | 0.012 | 30 | <0.1 | <0.1 | 35 | 0.227 | <0.01 |
| 02/05/2025 | 09:34 | 0.33 | 0.032 | 220 | <0.1 | <0.1 | 34 | 0.482 | 0.298 |
| 03/05/2025 | 09:14 | 0.31 | 0.029 | 20 | <0.1 | <0.1 | 35 | 0.288 | 0.072 |
| 04/05/2025 | 08:56 | 0.40 | 0.087 | 170 | <0.1 | <0.1 | 25 | 0.582 | 0.244 |
| 05/05/2025 | 08:36 | 0.29 | 0.017 | 10 | <0.1 | <0.1 | 35 | 0.197 | <0.05 |
| Titahi Bay Surf Club | | | | | | | | | |
| 01/05/2025 | 08:18 | | | 280 | | | 35 | | |
| 02/05/2025 | 10:01 | | | 100 | | | 35 | | |
| 03/05/2025 | 08:05 | | | 10 | | | 35 | | |
| 04/05/2025 | 09:15 | | | 10 | | | 35 | | |
| 05/05/2025 | 07:35 | | | 10 | | | 35 | | |

**Table 5 - Monitoring Results following Discharges on 30 April 2025**

Please note that the samples were analysed by the contract laboratory and that bathing beach guidelines were used to generate the colouring for the Enterococci samples. The following are the limits for both bacterial species:

| Bacterial Species | Amber Limit | Red Limit |
|---|---|---|
| | cfu/100mL | cfu/100mL |
| Enterococci | 140 | 280 |

**Table 5 - Bathing Beach Guidelines for Enterococci**

Comment - The ‘red’ reading of 280 on 1/05/25, coincides with a ‘amber’ limit reading at the Control Site. This has been observed previously and indicates high background enterococci during wet weather events. Across all sites, elevated enterococci dissipate within 48 hours, sometimes sooner.

## Notification

Notifications were issued on 5 May in accordance with condition 12D (a) of the Consent and are appended.

No action taken other than notification.

## Conclusion

As a result of high flows, all clarifiers reached maximum capacity, which, in turn, led to an unplanned discharge, and impacted the UV transmissivity.

# Appendix A - Photos

Monitoring Photos - 1 May

Outfall

140m East of Outfall

200m South West of Outfall

Surf Club

Control Site

Monitoring Photos - 2 May

Outfall

140m East of Outfall

200m South West of Outfall

Surf Club

Control Site

Monitoring Photos - 3 May

Outfall

140m East of Outfall

200m South West of Outfall

Surf Club

Control Site

Monitoring Photos - 4 May

Outfall

140m East of Outfall

200m SW of Outall

Surf Club

Control Site

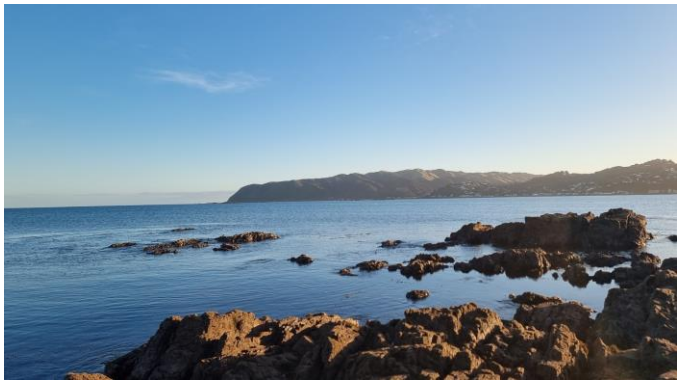
Monitoring Photos - 5 May

Outfall

140m East of Outfall

200m SW of Outall

Surf Club



Control Site

# Appendix B - Notifications

VEOLIA

Document:
Date: 19/11/2019

**Temporary Wastewater Discharge & Notification Form**

| | | | |
|---|---|---|---|
| **Site:** | Porirua WWTP | **Notifier:** | [redacted] |
| **Phone:** | 0800-928-371 | **Phone:** | [redacted] |
| **Date:** | 5/5/2025 | **E-mail:** | [redacted] |

| **Discharge Information** | | |
|---|---|---|
| Type of discharge (e.g. Partially treated wastewater, Fully treated wastewater, etc.) Location | | Biologically treated but undisinfected effluent discharged into Rukutane point |
| Cause | | High inflows due to wet weather |
| Consent | Number | WGN200229 [36816] |
| | Consented? (Y/N) | N |
| Weather Conditions | | Wet weather |
| Actions Taken | | Signs placed along the coastline to alert water users of areas which may be impacted by this event. Sampling monitoring initiated. |
| Comments | | Porirua wastewater treatment plant had a UVT lower than 45% and elevated clarifier blanket levels. Sludge carryover occurred due to high flows into the plant. The operators monitored the plant via the SCADA system and made adjustments to minimise any carryover |

| **Is there any direct contact between wastewater and the following: (Y/N)** | |
|---|---|
| Human food sources (i.e. puha, watercress, grazing pastures) | N |
| Human drinking water supply source | N |
| Surface or ground water systems | N |
| Human recreation activities both land and water | Y |

| **Discharge Parameters** | | **Units** | **Result** |
|---|---|---|---|
| Date | Start | DD/MM/YYYY HH:MM | 30/04/2025 21:18 |
| | Stop | DD/MM/YYYY HH:MM | 01/05/2025 05:12 |
| Duration | | hh:mm | 07:54 |

| | | | |
|---|---|---|---|
| Average Flow | Plant Inlet | litres per second | 617 |
| | Discharge to Coastal Marine Area | litres per second | 677 |
| | | | |
| Maximum Flow | Plant Inlet | litres per second | 1221 |
| | Discharge to Coastal Marine Area | litres per second | 1275 |
| | | | |
| | | | |
| Total Treated Volume | | cubic metres | 19256 |
| Discharge Volume | Coastal Marine Area | cubic metres | 19256 |
| | | | |
| Dilution Ratio | | -- | |

| **Interested Party** | **Contact Details** | |
|---|---|---|
| | **Phone Number** | **Email Address** |
| Wellington Water | 04 912 4400 | customer@wellingtonwater.co.nz<br>WWTPManager@wellingtonwater.co.nz |
| Greater Wellington Regional Council | 0800 496 734 | notifications@gw.govt.nz |
| Regional Public Health | 04 570 9002 | healthprotection@huttvalleydhb.org.nz |

VEOLIA

# Temporary Wastewater Discharge & Notification Form

| | | | |
|---|---|---|---|
| **Site:** | Porirua WWTP | **Notifier:** | [redacted] |
| **Phone:** | 0800-928-371 | **Phone:** | [redacted] |
| **Date:** | 5/5/2025 | **E-mail:** | [redacted] |

| **Discharge Information** | | |
|---|---|---|
| Type of discharge (e.g. Partially treated wastewater, Fully treated wastewater, etc.) Location | | Biologically treated but undisinfected effluent discharged into Rukutane point |
| Cause | | High inflows due to wet weather |
| Consent | Number | WGN200229 [36816] |
| | Consented? (Y/N) | N |
| Weather Conditions | | Wet weather |
| Actions Taken | | Signs placed along the coastline to alert water users of areas which may be impacted by this event. Sampling monitoring initiated. |
| Comments | | Porirua wastewater treatment plant had a UVT lower than 45% and elevated clarifier blanket levels. Sludge carryover occurred due to high flows into the plant. The operators monitored the plant via the SCADA system and made adjustments to minimise any carryover |

| **Is there any direct contact between wastewater and the following: (Y/N)** | |
|---|---|
| Human food sources (i.e. puha, watercress, grazing pastures) | N |
| Human drinking water supply source | N |
| Surface or ground water systems | N |
| Human recreation activities both land and water | Y |

| **Discharge Parameters** | | **Units** | **Result** |
|---|---|---|---|
| Date | Start | DD/MM/YYYY HH:MM | 01/05/2025 09:18 |
| | Stop | DD/MM/YYYY HH:MM | 01/05/2025 13:12 |
| Duration | | hh:mm | 03:54 |

| | | | |
|---|---|---|---|
| Average Flow | Plant Inlet | litres per second | 1021 |
| | Discharge to Coastal Marine Area | litres per second | 1017 |
| | | | |
| Maximum Flow | Plant Inlet | litres per second | 1232 |
| | Discharge to Coastal Marine Area | litres per second | 1282 |
| | | | |
| | | | |
| Total Treated Volume | | cubic metres | 14275 |
| Discharge Volume | Coastal Marine Area | cubic metres | 14275 |
| | | | |
| Dilution Ratio | | -- | |

| **Interested Party** | **Contact Details** | |
|---|---|---|
| | **Phone Number** | **Email Address** |
| Wellington Water | 04 912 4400 | customer@wellingtonwater.co.nz<br>WWTPManager@wellingtonwater.co.nz |
| Greater Wellington Regional Council | 0800 496 734 | notifications@gw.govt.nz |
| Regional Public Health | 04 570 9002 | healthprotection@huttvalleydhb.org.nz |

VEOLIA

# Temporary Wastewater Discharge & Notification Form

| | | | |
|---|---|---|---|
| **Site:** | Porirua WWTP | **Notifier:** | [redacted] |
| **Phone:** | 0800-928-371 | **Phone:** | [redacted] |
| **Date:** | 5/5/2025 | **E-mail:** | [redacted] |

| **Discharge Information** | | |
|---|---|---|
| Type of discharge (e.g. Partially treated wastewater, Fully treated wastewater, etc.) Location | | Biologically treated but undisinfected effluent discharged into Rukutane point |
| Cause | | High inflows due to wet weather |
| Consent | Number | WGN200229 [36816] |
| | Consented? (Y/N) | N |
| Weather Conditions | | Wet weather |
| Actions Taken | | Signs placed along the coastline to alert water users of areas which may be impacted by this event. Sampling monitoring initiated. |
| Comments | | Porirua wastewater treatment plant had a UVT lower than 45% and elevated clarifier blanket levels. Sludge carryover occurred due to high flows into the plant. The operators monitored the plant via the SCADA system and made adjustments to minimise any carryover |

| **Is there any direct contact between wastewater and the following: (Y/N)** | |
|---|---|
| Human food sources (i.e. puha, watercress, grazing pastures) | N |
| Human drinking water supply source | N |
| Surface or ground water systems | N |
| Human recreation activities both land and water | Y |

| **Discharge Parameters** | | **Units** | **Result** |
|---|---|---|---|
| Date | Start | DD/MM/YYYY HH:MM | 02/05/2025 03:24 |
| | Stop | DD/MM/YYYY HH:MM | 02/05/2025 14:58 |
| Duration | | hh:mm | 11:34 |

| | | | |
|---|---|---|---|
| Average Flow | Plant Inlet | litres per second | 951 |
| | Discharge to Coastal Marine Area | litres per second | 962 |
| | | | |
| Maximum Flow | Plant Inlet | litres per second | 1300 |
| | Discharge to Coastal Marine Area | litres per second | 1394 |
| | | | |
| | | | |
| Total Treated Volume | | cubic metres | 40068 |
| Discharge Volume | Coastal Marine Area | cubic metres | 40068 |
| | | | |
| Dilution Ratio | | -- | |

| **Interested Party** | **Contact Details** | |
|---|---|---|
| | **Phone Number** | **Email Address** |
| Wellington Water | 04 912 4400 | customer@wellingtonwater.co.nz<br>WWTPManager@wellingtonwater.co.nz |
| Greater Wellington Regional Council | 0800 496 734 | notifications@gw.govt.nz |
| Regional Public Health | 04 570 9002 | healthprotection@huttvalleydhb.org.nz |

VEOLIA

# Temporary Wastewater Discharge & Notification Form

| | | | |
|---|---|---|---|
| **Site:** | Porirua WWTP | **Notifier:** | [redacted] |
| **Phone:** | 0800-928-371 | **Phone:** | [redacted] |
| **Date:** | 5/5/2025 | **E-mail:** | [redacted] |

| **Discharge Information** | | |
|---|---|---|
| Type of discharge (e.g. Partially treated wastewater, Fully treated wastewater, etc.) Location | | Biologically treated but undisinfected effluent discharged into Rukutane point |
| Cause | | High inflows due to wet weather |
| Consent | Number | WGN200229 [36816] |
| | Consented? (Y/N) | N |
| Weather Conditions | | Wet weather |
| Actions Taken | | Signs placed along the coastline to alert water users of areas which may be impacted by this event. Sampling monitoring initiated. |
| Comments | | Porirua wastewater treatment plant had a UVT lower than 45% and elevated clarifier blanket levels. Sludge carryover occurred due to high flows into the plant. The operators monitored the plant via the SCADA system and made adjustments to minimise any carryover |

| **Is there any direct contact between wastewater and the following: (Y/N)** | |
|---|---|
| Human food sources (i.e. puha, watercress, grazing pastures) | N |
| Human drinking water supply source | N |
| Surface or ground water systems | N |
| Human recreation activities both land and water | Y |

| **Discharge Parameters** | | **Units** | **Result** |
|---|---|---|---|
| Date | Start | DD/MM/YYYY HH:MM | 02/05/2025 17:24 |
| | Stop | DD/MM/YYYY HH:MM | 02/05/2025 22:31 |
| Duration | | hh:mm | 05:07 |

| | | | |
|---|---|---|---|
| Average Flow | Plant Inlet | litres per second | 724 |
| | Discharge to Coastal Marine Area | litres per second | 807 |
| | | | |
| Maximum Flow | Plant Inlet | litres per second | 1263 |
| | Discharge to Coastal Marine Area | litres per second | 960 |
| | | | |
| | | | |
| Total Treated Volume | | cubic metres | 14857 |
| Discharge Volume | Coastal Marine Area | cubic metres | 14857 |
| | | | |
| Dilution Ratio | | -- | |

| **Interested Party** | **Contact Details** | |
|---|---|---|
| | **Phone Number** | **Email Address** |
| Wellington Water | 04 912 4400 | customer@wellingtonwater.co.nz<br>WWTPManager@wellingtonwater.co.nz |
| Greater Wellington Regional Council | 0800 496 734 | notifications@gw.govt.nz |
| Regional Public Health | 04 570 9002 | healthprotection@huttvalleydhb.org.nz |