

Regional Wastewater Services MEETING MINUTES

Date:	28 February 2024
Subject:	Customer Liaison Group meeting – Moa Point Wastewater Treatment Plant
Time:	17:30 pm
Location:	Ākau Tangi Sports Centre -72 Kemp Street, Kilbirnie, Wellington
Attendees:	GWRC – Amanda O’Brien Veolia - Alex Phelan, Nico Robins WWL - Blair Johnson, Joemar Cacnio, Jeremy McKibbin, Craig Shuttleworth, Avina Furtado (mins) Health Protection Officer – Mike Fisher Facilitator – Andrew Freeman Latitude Comms – Dan Ormond Technical Director -WCC (handling SMF Project) – Scott Cook Councillor – Sarah Free Community members- Yvonne Weeber, Glenn Kingston
Apologies:	Qurat Mahmood (GWRC Resource Advisor), Janet Molyneux -WCC Project team (SMF project)

Welcome & Introductions by Andrew/WWL	Action	Due
<p>Andrew welcomed everyone to the meeting with a Karakia and advised every one of the health and safety procedures in the event of an emergency.</p> <p>Round table introductions were performed by all the attendees.</p>		
Wellington Water WWTP Status – Presentation (PowerPoint)	Action	Due
<p>Blair provided a brief background on the plant, with the help of an aerial view image of the plant along with another image highlighting the suburbs it caters to.</p>		
Plant Performance July 2022-June 2023 & Current (February 2024)	Action	Due
<p>Blair began by outlining the difficulties faced by the WWTP in terms of meeting its discharge quality as per the discharge consent requirements. The main challenges to effluent quality were a range of mechanical failures at the plant, which included Inlet Pump Station failures, Clarifier bearing failures, aeration system), all of which are being addressed progressively by Veolia and WWL.</p> <p>The treatment plant was compliant for average and peak flow records for the reporting period. In terms of discharges, there was one consented bypass discharge due to wet weather and nineteen unconsented discharges due to asset failures in the WWTP.</p> <p>Nine odour complaints were received during the reporting period, six of which were attributed to consequences from the fire incident on 1 February 2023, while three were a result of the failure of the site’s odour control system around end of April – early May.</p>		

<p>As for the current period, at the time of the CGL the plant is non-compliant for treated wastewater discharge quality (effluent suspended solids and faecal coliform levels). There were three unconsented discharges of untreated wastewater to the short outfall, due to reduced pumping capacity in the Inlet Pump Station due to mechanical failures and during repairs.</p> <p>An incident of discoloration in the vicinity of the plant's long outfall was concluded to have occurred due to maintenance activity on 23 Jan 2023. No odour complaints have been received during this reporting period.</p>		
<p>Consent Compliance Rating FY22/23</p>	<p>Action</p>	<p>Due</p>
<p>Amanda OBrien (GWRC Resource Advisor) advised that infringement notices were issued to WWL, Veolia and Wellington City Council for non-compliant effluent. A subsequent abatement notice was issued to all the parties. Amanda stated that WWL have improved performance, in terms of updates being to be relayed to the community. The overall compliance summary rating for the plant was "Poor" for FY2021/22.</p>		
<p>Questions from the Community -Plant Performance</p>	<p>Action</p>	<p>Due</p>
<p>Andrew invited members of the community and councilors to come forward with any questions they may have about the consent presentation or the plant, itself. The following matters were raised and discussed:</p> <ul style="list-style-type: none"> • How quickly the information gets to the community? Blair explained that it depends on the activity, which in the case of discharges is done immediately along with initiating a sampling regime to determine environmental impact and ensuring relevant signage is in place. Plant performance information is made available on WWL's website every month via dashboards. • What happens after an odour complaint is raised? Amanda explained that GWRC has on duty officers who conduct odour assessments and depending on the outcomes a range of actions that are undertaken. • Plant performance and the concern surrounding untreated discharges: Amanda informed that GWRC has issued a to-do abatement notice to manage the re-occurrence of such events. • Enough funding available in the long-term plan to mitigate the risk of increased untreated discharges and improving plant performance? Blair explained the funding process and that the councils work around prioritizing a range of projects across the three waters based and on this basis an asset management plan (AMP) is provided. • Is the AMP published by WWL? Blair informed that it's not, however, the information on the risk profile for all WWTPs is provided to the council officers, and an annual review is done every 3 years. • Request for a copy of the annual report. <u>ACTION: To be made available on WWL website and emailed again to all interested parties</u> • Why is the short outfall used when it's not consented? Jeremy - explained that its used only in emergency and WWL are expecting improvements to manage such events. • Absence of an app like 'fix it' for reporting discharges and indicated that plume incident as an example: Blair stated that WWL is open for suggestions and ideas to improve the communication. • Why WWL conducts the CLG annually and why can't it be done regularly? Blaire explained that WWL relies upon GWRC rating on plant performance. Annual meetings are a requirement of the consent. • How much would infringement amounts be for non-compliance? Amanda explained if its infringements are under RMA then its \$ 1000 while breaches of abatement notice results in \$ 750, it further depends on circumstance and penalties can be higher or result in prosecution proceedings. • Request to WWL for summarizing the discharge incidents and sending a report to WCC councilor to observe trends. <u>ACTION: WWL to chase up previous 3-4 years compliance ratings to observe trend and send this report to Councillor Sarah Free</u> 	<p>WWL</p> <p>WWL</p>	<p>Done</p> <p>July</p>

Capital Projects Update	Action	Due
<p>Blair updated about four capital projects for the treatment plan which are inlet pump station renewal, clarifier bearing replacement, UV system renewal and SCADA, PLC and MCC (control and electrical systems) renewal.</p> <p>Inlet pump station renewal – The objective is to replace the ten failing discharge pipes and pumps, four have currently been replaced and two more to be completed in this financial year. The remaining 4 pipes and replacement pumps are programmed for the next two years (subject to funding approval through the Long-Term Plan).</p> <p>Clarifier mechanical bearing replacement - Currently Clarifier #2 is out of service and works commenced in January 2024 to replace the main bearing and renew mechanical components. Works to replace the main bearing on Clarifier #1 is planned for next summer when flows are lower.</p> <p>UV System Renewal - The project is in a tight operational space, with the tender works being done, the objective is to replace UV equipment entirely due to failure and obsolescence of the equipment.</p> <p>SCADA, PLC and MCC Renewal – In other words, the nervous system of the treatment plant, these systems are at end of life and obsolete and will be replaced over 2-3 years. The project is currently in its design stage.</p>		
Sludge Minimization Facility Project Update		
<p>Scott Cook (WCC) gave a presentation on Sludge Minimisation Facility (SMF) project showing timeline of progress with aerial photographs and updated that the project is running along the timelines with major packages and procurement being undertaken.</p>		
Closing Remarks & Community Feedback		
<p>Blair stated that WWL takes operations of WWTP seriously and works towards improving occurrences of non-compliance and discharge events. The annual CLG serves as a forum for having robust discussions and keeping the community informed about the plant and plant operations.</p> <p>WWL appreciate the opportunity to explain the performance and challenges the plant experiences to keep the community informed.</p> <p>Community feedback included suggesting that WWL ensure more input from community and broader involvement, including the Wellington surfer community.</p> <p>Andrew thanked everyone for attending the CLG and closed with a Karakia.</p>		
<p>Attachments: Wellington Water Presentation</p>		
<p>MEETING CLOSED 19:24pm</p>		



Moa Point WWTP Community Liaison Group Meeting

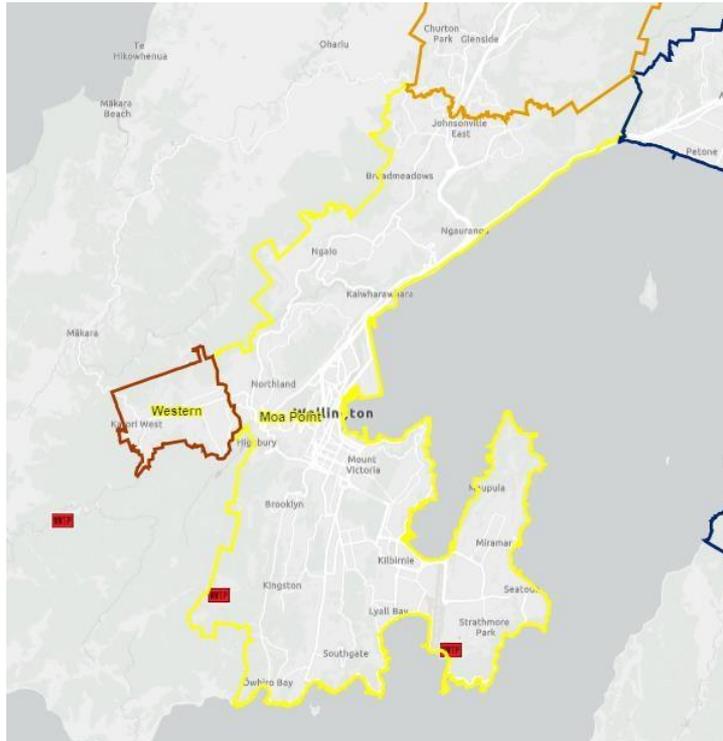
29 February 2024

Meeting Agenda



Items	Who	Timeframe
Opening Karakia	Andrew Freeman - Facilitator	5:30 – 5:35 pm
Meeting Opening and H&S Announcement	Andrew Freeman - Facilitator	5:35 – 5:40 pm
Presenter Introductions	Andrew Freeman - Facilitator	5:40 – 5:45 pm
Wellington Water WWTP Compliance and Performance Update	Joemar Cacnio – Senior Advisor, WWTP Contracts	5:45 – 6:10 pm
Commentary from GWRC	Compliance Officer, GWRC	6:10 – 6:25 pm
Questions and Feedback on Moa Point Performance	All	6:25 – 6:45 pm
Capital Projects Update	Joemar Cacnio – Senior Advisor, WWTP Contracts	6:45 – 6:50 pm
Sludge Minimisation Facility (SMF) Update	Wellington City Council	6:50 – 7:10 pm
Questions with SMF Presentation	All	7:10 – 7:20 pm
Closing Remarks	Blair Johnson Head of Wastewater Contracts	7:20 – 7:25 pm
Closing Karakia	Andrew Freeman - Facilitator	7:25 – 7:30 pm

Moa Point WWTP Background



Our water, our future.

Plant Performance July 2022 – June 2023



- Non-compliance with treated wastewater discharge quality [stated in Condition 10]
- Average daily flow was 78,137 m³ /day with peak daily flow recorded was 228,989 m³
- There was one consented and 19 unconsented discharge events
- Nine odour complaints received during this reporting period.

Discharge records July 2022 – June 2023



- 17 partially treated discharges due to reduction in the plant's capacity from 3,000 L/s to 2,200 L/s attributed to one clarifier being offline for repair
- One partially treated discharge due to UV failure on 5th Feb 2023
- One incident of untreated wastewater discharge via the short outfall on 19th April 2023 due to pump failure
- One consented discharge of partially treated wastewater on 4th May 2023 due to wet weather.

Plant Performance July 2023 – Feb 2024



- Non-compliance with treated wastewater discharge quality [stated in Condition 10]
- Average daily flow was 67,074 m³ /day with peak daily flow recorded was 129,665 m³ into the WWTP
- There were three unconsented discharges of untreated wastewater to the short outfall
- There was one incident of discoloration in the vicinity of the plant's long outfall that WWL concluded to be due to the maintenance activity in the WWTP on 23rd of January.
- One odour complaint received for this reporting period

GWRC Rating

Consent Compliance Rating FY22/23



Regional Council have issued the following compliance rating for the plants' resource consents :

- WGN080003[26182]: Land Occupation by Outfall Pipe
- Full Compliance Rating
- WGN960094 [1471]: Contaminants Discharge to Air (IPS) and
WGN080003 [26183]: Contaminants Discharge to Air (WWTP)
- Low Risk Non-compliance Rating
- WGN080003 [31505]: Discharge of Treated WW to CMA and
WGN080003 [35047]: Discharge of Partially Treated WW to CMA
- Significant Non-compliance Rating

The overall compliance summary rating for the site in FY2021/22 was “Poor”.

Questions from the Community

Project Updates

Project Update: Inlet Pump Station Renewal



Project objective

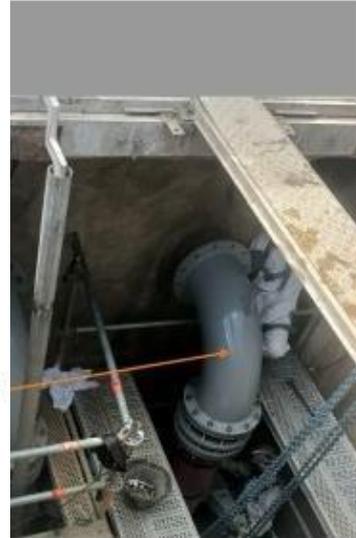
Replace the 10 corroded discharge pipes and pumps - which convey wastewater from the pump station to the treatment plant

Current status

4 discharge pipes have been replaced, additional two will be completed by June 2024



Leaking Pump Discharge Manifold



Photos of new discharge pipes left photo shows the old pipe and the photos on the right are the newly installed ones

Project Update: Clarifier Mechanical Bearing Replacements

Project objective

Replace the mechanical bearing in Clarifier 2

Current status

The clarifier is offline, and work is currently in progress



(Inside of Clarifier 2 post initial clean)

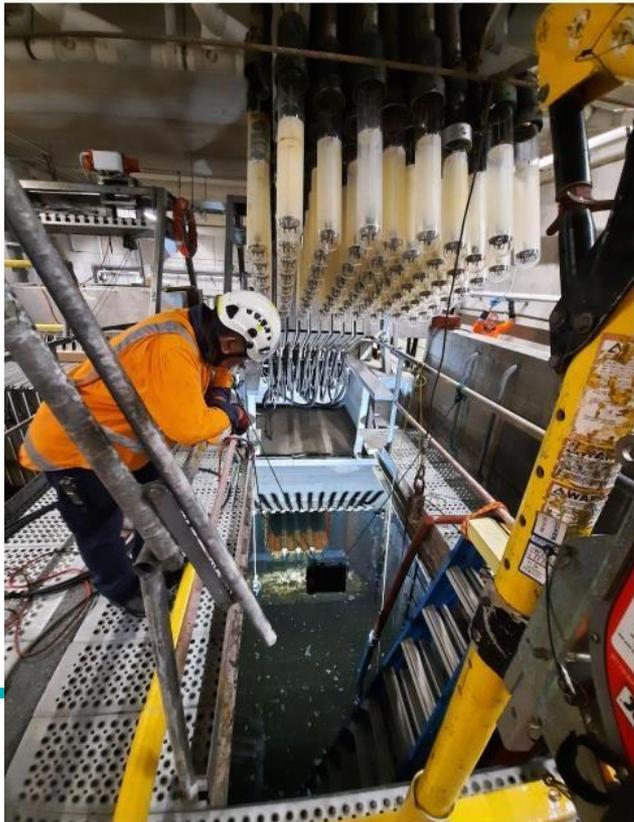
Project Update: UV System Renewal

Project objective

Replace the plant's UV system due to failure and obsolescence

Current status

The project is currently being tendered



Photos from left to right:

1. One UV bank lifted up
2. Image of UV lamps

Project Update: SCADA, PLC and MCC Renewal



Project objective

Replace the SCADA, PLC and MCC of Moa Point and Western WWTP due to failure and obsolescence

Current status

The project is current progressing with the design stage



Photo of the site's Motor Control Center (MCC) units

Sludge Minimisation Facility Project Update

WCC Project Team

Janet Molyneux/ Scott Cook

Questions from the Community

Update information and contact details



If you would like to receive regular updates on Moa Point WWTP, please email customer.notifications@wellingtonwater.co.nz and we will put you on the interested parties list.

We have a dedicated website page with regular updates for the site: <https://www.wellingtonwater.co.nz/resources/topic/wastewater/wastewater-treatment-plants/moa-point-wastewater-treatment-plant/>



Thank You