
Waitai

Coastal-Burwood-Linwood Community Board

MINUTES ATTACHMENTS

Date:	Monday 12 May 2025
Time:	4.32 pm
Venue:	Boardroom, Corner Beresford and Union Streets, New Brighton

TABLE OF CONTENTS NGĀ IHIRANGI	PAGE
4.2. Public Forum - Growing New Brighton	
A. Growing Green presentation	3
7. Briefings	
A. WWTP Presentation	23

GROWING GREEN, GROWING TOGETHER



Growing
New Brighton

STARTING OUT

Just over 1 year ago I asked permission to reinvigorate the planters around the market area



PURPOSE

Using edible and useful plants, with educational signs for the whole community to share and learn.



ENGAGEMENT

Collecting donations through fun activities at the Saturday seaside market that teach about environment and sustainability



EXPANSION

Expanding the
growing love
down the mall to
further beautify
New Brighton



COMMUNITY

Creating fun, free
community events
to further educate
and promote the
Growing New
Brighton message



-COMMUNITY

Talking to local groups, such as scouts about edible plants.



-COMMUNITY

Joining in on
community events
to promote
Growing New
Brighton and have
some fun.



SHARING

Sharing growing knowledge with all ages. Creating more fun activities at the market.



MORE GARDENS

Being given council permission to expand into more mall gardens. Growing more food for community



SEASONS

Making sure that
the gardens are
maintained and
planted with
correct seasonal
choices



HOMEBASE

Opening a space
that is a base for
the Growing New
Brighton work and
further
educational
workshops



WORKSHOPS

Different weekly workshops held for a range of ages to join in.



KIDS

After School Club
runs fortnightly for
1 hour



Fun gardening activities

AFTER SCHOOL KIDS
CLUB
every second Tuesday

INCLUSION

Mixed abilities
workshops for
community groups



ON THE MOVE

Going to other
community lead
groups to run age
appropriate
workshops



-ON THE MOVE

As well as
activities at the
local schools.



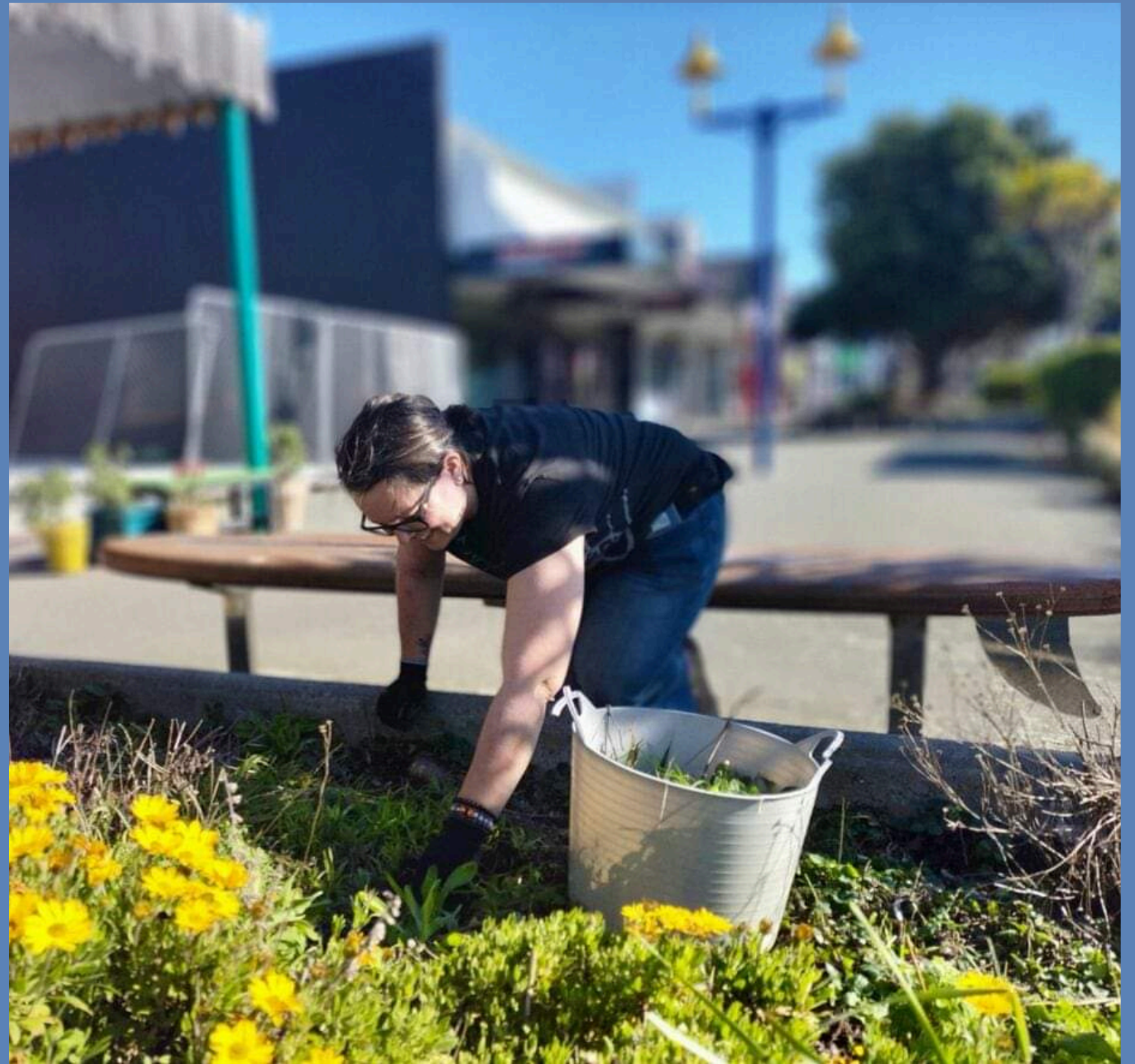
SHARING

The workshop space is also available for other creative people to hire and share their talents



LOVE

Growing New
Brighton is my way
of giving back to a
community I have
fallen in love with
and can share my
skills with





Community Liaison Group

CWTP Monthly Update – May 2025

Agenda

- Odour Monitoring Results
- Odour monitoring update
- Rodent control update
- Oxidation Ponds – Aerator Status & Pond Health
- Midge Control Update
- Dryer Maintenance Update
- Odour Products Trail
- Webpage Update

Odour Monitoring Results



- CCC has 4 community odour monitoring locations, with results from these uploaded to CCC [webpage](#)

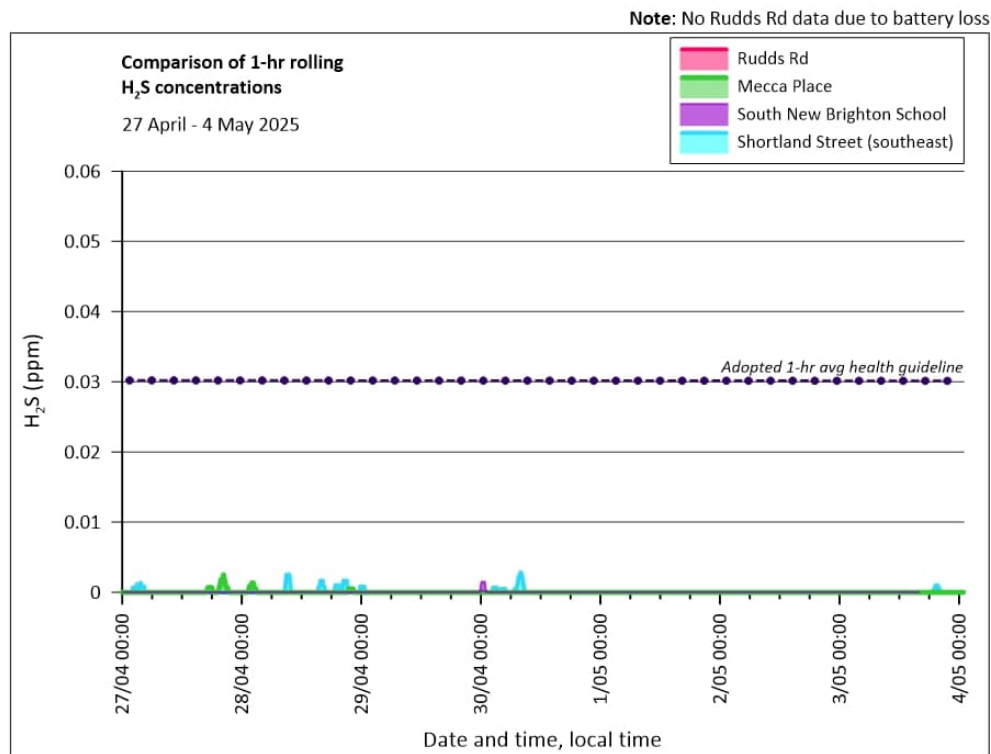
Published reports and testing results related to the Christchurch Wastewater Treatment Plant.

We have strategically set up hydrogen sulphide (H₂S) monitors at locations around the oxidation ponds and nearby communities. These have been in place since July 2023 and the results are regularly published on this page.

We have undertaken an air monitoring programme to:

- Understand the gases contributing to the odour.
- Identify the source of these gases (across the treatment plant site).
- Measure the impact of the gases at various distances from the plant.

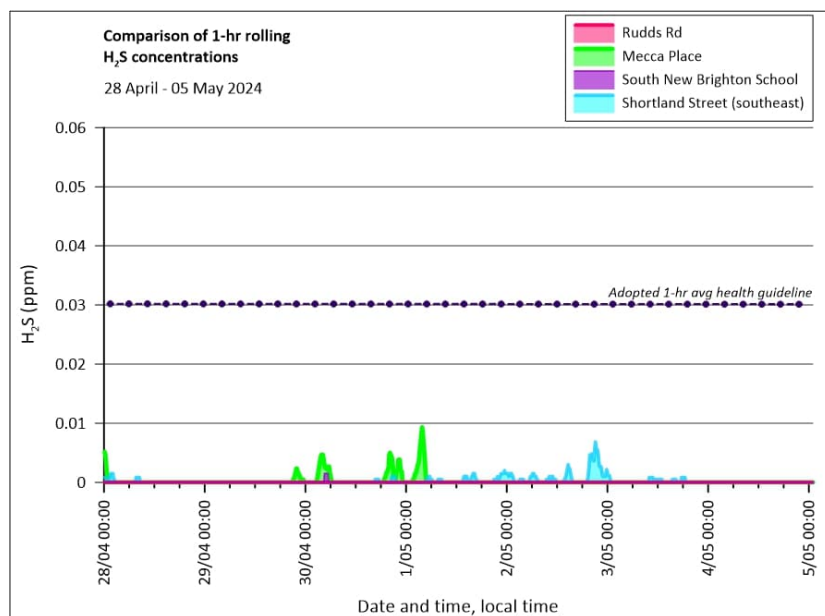
Latest Odour Monitoring Results



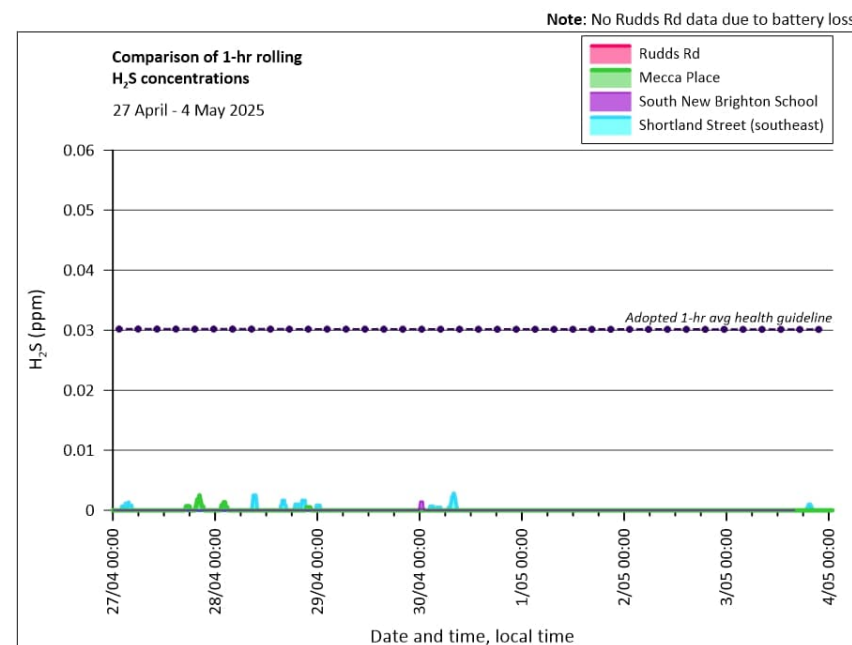
13 May 2025

Odour Monitoring – Odour this year vs last year

2024



2025



Odour Monitoring update



- Currently working with our odour expert to relocate one of the odour monitors to Shortland Street
- Finalising the appropriate location on Shortland Street

13 May 2025

Rodent/Pest control update



- Park Team has instructed the Pest control contractor to relocate some of the existing bait stations and also increase monitoring
- If needed, additional bait stations would be added

Aerial Image of Christchurch Wastewater Treatment Plant



13 May 2025

Aerial Image of Christchurch Wastewater Treatment Plant



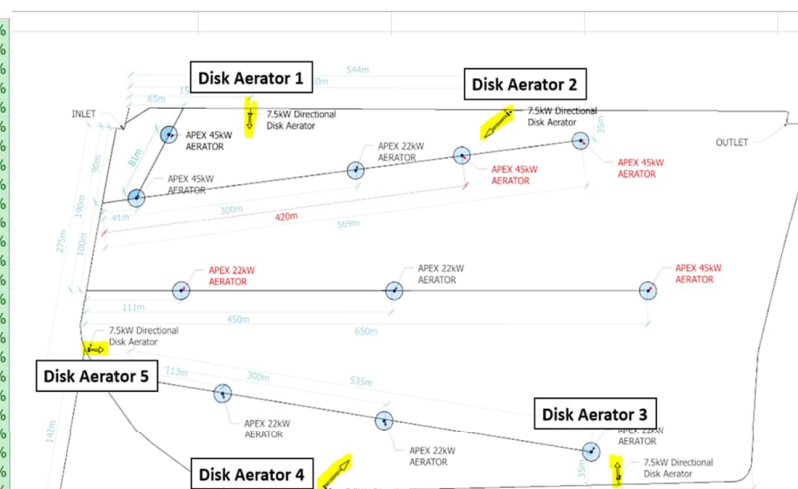
13 May 2025

Oxidation Ponds – Aerator Status

10/04/2025	100.0%	0.0%	100.0%	100.0%	100.0%
11/04/2025	100.0%	52.9%	100.0%	100.0%	100.0%
12/04/2025	100.0%	100.0%	100.0%	100.0%	100.0%
13/04/2025	100.0%	100.0%	100.0%	100.0%	100.0%
14/04/2025	100.0%	100.0%	100.0%	100.0%	100.0%
15/04/2025	100.0%	100.0%	100.0%	100.0%	100.0%
16/04/2025	100.0%	100.0%	100.0%	100.0%	100.0%
17/04/2025	100.0%	100.0%	100.0%	100.0%	100.0%
18/04/2025	100.0%	100.0%	100.0%	100.0%	100.0%
19/04/2025	100.0%	100.0%	100.0%	100.0%	100.0%
20/04/2025	100.0%	60.2%	100.0%	100.0%	100.0%
21/04/2025	100.0%	0.0%	100.0%	100.0%	100.0%
22/04/2025	100.0%	0.0%	100.0%	100.0%	100.0%
23/04/2025	100.0%	0.0%	100.0%	100.0%	100.0%
24/04/2025	100.0%	0.0%	100.0%	100.0%	100.0%
25/04/2025	100.0%	0.0%	100.0%	100.0%	100.0%
26/04/2025	100.0%	0.0%	100.0%	100.0%	100.0%
27/04/2025	100.0%	0.0%	100.0%	100.0%	100.0%
28/04/2025	100.0%	0.0%	100.0%	100.0%	100.0%
29/04/2025	100.0%	0.0%	93.6%	100.0%	100.0%
30/04/2025	100.0%	0.0%	0.0%	100.0%	100.0%
1/05/2025	100.0%	0.0%	0.0%	100.0%	100.0%
2/05/2025	100.0%	0.0%	0.0%	100.0%	100.0%
3/05/2025	100.0%	0.0%	0.0%	100.0%	100.0%
4/05/2025	100.0%	0.0%	0.0%	100.0%	100.0%
5/05/2025	100.0%	0.0%	0.0%	100.0%	100.0%
6/05/2025	100.0%	0.0%	51.1%	100.0%	100.0%
7/05/2025	100.0%	0.0%	100.0%	100.0%	100.0%
8/05/2025	100.0%	0.0%	100.0%	100.0%	100.0%

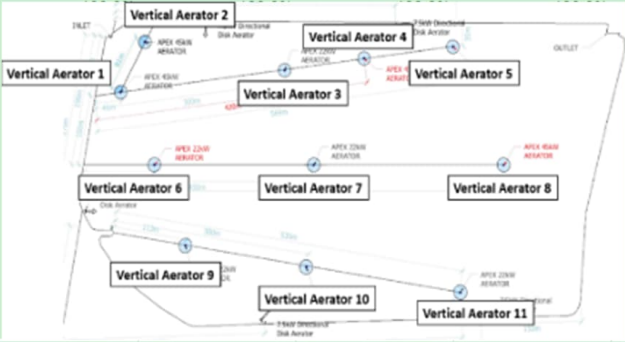
Planned Reactive

- Contractor is continuing to undertake planned and unplanned reactive maintenance on the disc aerators



13 May 2025

Oxidation Ponds – Aerator Status

Date	Vertical Aerator 1 Ru	Vertical Aerator 2 Ru	Vertical Aerator 3 Ru	Vertical Aerator 4 Ru	Vertical Aerator 5 Ru	Vertical Aerator 6 Ru	Vertical Aerator 7 Ru	Vertical Aerator 8 Ru	Vertical Aerator 9 Ru	Vertical Aerator 10 R	Vertical Aerator 11 R
10/04/2025	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
11/04/2025	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
12/04/2025	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
13/04/2025	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
14/04/2025	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
15/04/2025	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
16/04/2025	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
17/04/2025	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
18/04/2025	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
19/04/2025	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
20/04/2025	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
21/04/2025	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
22/04/2025	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
23/04/2025		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
24/04/2025		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
25/04/2025		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
26/04/2025		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
27/04/2025		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
28/04/2025		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
29/04/2025		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
30/04/2025		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
1/05/2025		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2/05/2025		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
3/05/2025	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
4/05/2025	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
5/05/2025	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
6/05/2025	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
7/05/2025	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
8/05/2025	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Planned

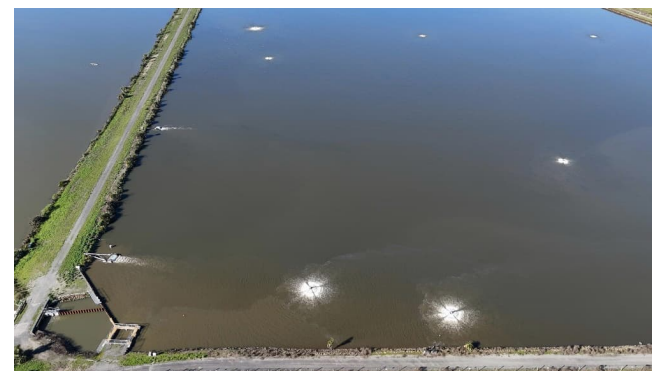
- Contractor is continuing to undertake planned and unplanned reactive maintenance on the vertical shaft aerators aerators

Oxidation Ponds – Aerator Status

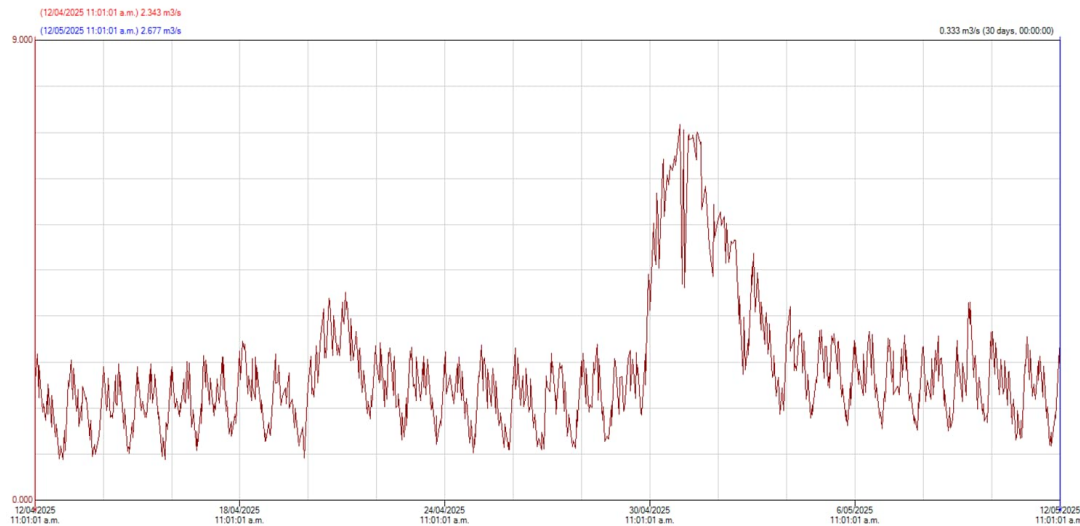
- Staff have assessed the long-term need for the aerators on Pond 1
- The aerators will be required until the new Activated Sludge Plant is fully commissioned and operational (est. 2029)
- The aerators will also be required whilst the clarifiers are being renewed (est. 2026 – 2030)
- Observations of the sludge behaviour in the pond has shown that there would be a benefit to continue to operate the aerators until 2032 (additional dissolved oxygen / flow helps break down the sludge)
- Current guarantee and maintenance expires on 17th July 2028
- Feedback from supplier, when asked if they would be open to extending the contract from 2028 to 2032, responded that they “not prepared to offer this”
- Operations staff have therefore started liaising with our internal 3 Waters Asset Management and Planning Team on how to manage the 2028-32 gap

Pond Health

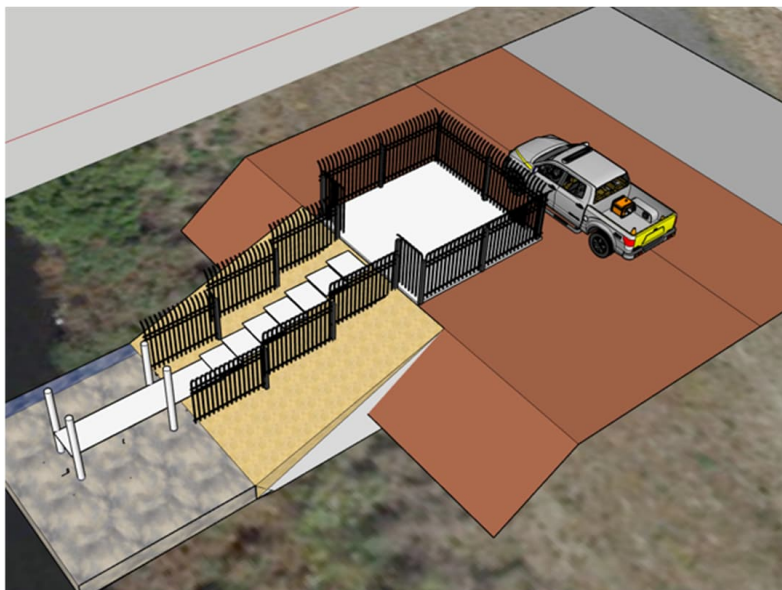
- Ponds are now in winter mode
 - Ponds turned from green to brown
 - Algae has ceased
 - Dissolved oxygen levels dropped
 - Reduced biological activity



Pond Health – heavy rain event



Midges – Water Quality Flow Variation



- Project has been progressed from concept drawings to design drawings
- Project has transferred from being Operation lead to Capital Delivery lead
- Timeframes are currently being reviewed
- External visibility of the data is being considered as part of the project

13 May 2025

Biosolid Dryer plan maintenance – enabling work

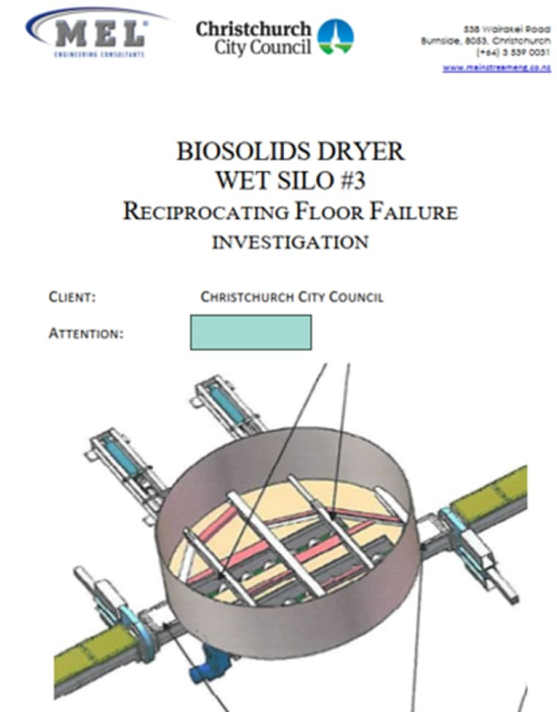
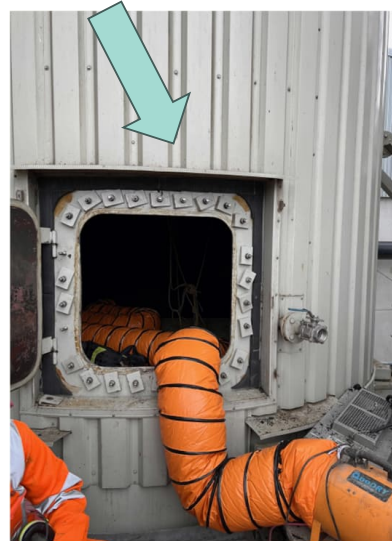
- The CWTP biosolid dryer was built at 2010 as one of the major wastewater treatment process
- The dryer handling 40 to 50 Tone of biosolid per day



Biosolid Dryer plan maintenance – enabling work



Confine space entry
for inspection



Odour Products Trial

PRODUCT TRIAL METHODOLOGY – ODOUR MITIGATION AT CHRISTCHURCH WASTEWATER TREATMENT PLANT

1. OBJECTIVE

To assess the effectiveness of four (4) supplier's products against a control, in mitigating odour and its potential impact on the wastewater treatment process at Christchurch Wastewater Treatment Plant.

2. TRIAL OVERVIEW

- The trial will be conducted using five (5) Intermediate Bulk Containers (IBC's).
- There will be one (1) control, and then one (1) dedicated to each of the four (4) suppliers products.
- The five (5) IBC's will each have 1,000 litres of pond influent wastewater, decanted from the same tanker used to collect the sample from the plant effluent structure.
- The supplier's products will then be added at the dose rate determined by the supplier to the suppliers dedicated IBC. The IBC's contents will then be gently agitated with a stick for 2 minutes, to aid the mixing of the supplier's product through the sample, (as could be expected as the plant effluent transfers from the plant into the ponds).
- All five (5) IBC's will then be left with the caps open, with no further interference (mixing / aeration) for two (2) weeks, (as would be expected through the first 4 ponds).



- Stage 3 was anticipated to be undertaken between April and July (now May to August)
- Re-engagement Letters have been supplied to and returned from the suppliers
- Currently waiting for supplier product to be delivered

13 May 2025

Websites Updates

Christchurch treated wastewater discharge consent monitoring

Resource Consent CRC051724 allows the discharge of treated wastewater from the Christchurch wastewater treatment plant into the Pegasus Bay coastal marine area via an ocean outfall located 3kms off shore and 17m below the water surface.

Samples of the treated wastewater discharged through the ocean outfall are taken and analysed for a range of contaminants as shown in the table below.

Weekly	Fortnightly	Six monthly	Annually
Temperature	Nitrate nitrogen	Arsenic	Salmonella
pH	Nitrite nitrogen	Cadmium	Campylobacta
Dissolved oxygen	Total Kjeldahl nitrogen	Chromium	Giardia
Five-day biochemical oxygen demand, BOD	Total phosphorus	Copper	Cryptosporidium
Filtered BOD	Dissolved reactive phosphorus	Lead	Human enterovirus
Total suspended solids		Nickel	Human adenovirus
Faecal coliforms		Zinc	Organochlorine pesticides
Enterococci		Mercury	Organophosphate pesticides
Escherichia coli			Polychlorinated biphenyls
Ammoniacal nitrogen			Polycyclic aromatic hydrocarbons

<https://ccc.govt.nz/services/water-and-drainage/wastewater/treatment-plants/christchurch-wastewater-treatment-plant/discharge-consent-monitoring>



Annual Reports 2010 to 2023

Expand all

Type	Report
Annual	Annual Monitoring Report 2022 to 2023 [PDF, 1.1 MB]
Annual	Annual Report 2020 to 2021 [PDF, 783 KB]
Annual	Annual Report 2019 to 2020 [PDF, 792 KB]
Annual	Annual Report 2018 to 2019 [PDF, 728 KB]
Annual	Annual Report 2017 to 2018 [PDF, 1.5 MB]
Annual	Annual Report 2016 to 2017 [PDF, 1.1 MB]
Annual	Annual Report 2015 to 2016 [PDF, 1 MB]
Annual	Annual Report 2014 to 2015 [PDF, 1 MB]
Annual	Annual Report 2013 to 2014 [PDF, 179 KB]
Annual	Annual Report 2012 to 2013 [PDF, 169 KB]
Annual	Annual Report 2011 to 2012 [PDF, 180 KB]
Annual	Annual Report 2010 to 2011 [PDF, 209 KB]

13 May 2025

Thank you for your time,
any questions?