

From: [Rebecca Murray](#)
To: [REDACTED]
Subject: LGOIMA Fluoridation of community water supplies
Date: Friday, 9 August 2024 8:44:00 am

Kia ora [REDACTED]

I write about your LGOIMA request received 14 July 2024 regarding fluoridation of community water supplies.

Please find below the answers to your questions raised.

What parts of the region under the council's jurisdiction are fluoridated?

Mt Grand and Southern water treatment plants (WTP) dose fluoride. These are the main water treatment plants for Dunedin City and provide water across the following distribution zones:

Distribution Zone	Associated Areas (indicative)
Booth Road	Ravensbourne, St Leonards, Wakari, Glenleith, Pine Hill, Mount Mera, Roslyn, Kaikorai Valley, Brockville, Halfway Bush, St Clair (high levels), Corstorphine and Caversham (high levels), Waitati, Warrington, Merton and Seacliff
Low levels/Peninsula	South Dunedin (including low lying parts of Caversham, St Clair, Tainui), Andersons Bay, Waverley, Tomahawk, Otago Peninsula, CBD
Maori Hill	Maori Hill, North East Valley, City Rise, Glen Road, Sidey Street, CBD
Green Island	Burnside, Abbotsford, Green Island, Fairfield, Waldronville and Brighton
Port Chalmers	Port Chalmers
Wingatui	Wingatui
Quarry Hill	Mosgiel and North Taieri
Kinmont	Kinmont
East Taieri	East Taieri

What fluoride chemicals are used to fluoridate the water supply?

Sodium fluorosilicate

What level is water fluoridated at?

The targeted dose is 0.75 mg/L which is in line with the 0.7 to 1.0 mg/L guidance from the Ministry of Health: <https://www.health.govt.nz/our-work/preventative-health-wellness/oral-health/community-water-fluoridation>

How frequently is the level of fluoride in the water tested?

The fluoride dose is monitored continuously with fluoride analysers at the WTPs and through weight changes at the dosing system.

In addition, an external laboratory (Eurofins) provides monthly validation testing for both WTPs.

Who performs the testing?

See above.

Where is the wastewater discharged?

Drinking water is supplied to consumers through the distribution network (via the distribution zones mentioned in the answer above). Customers of the drinking water supply use and dispose of this supplied water.

Is there a Resource consent for the discharge of fluoridation chemicals?

No

Can you provide the section of the consent that permits the fluoride discharge?

N/A

Is there a Resource Consent held by the council to add fluoridation chemicals to the community water supplies?

No. Addition of chemicals to drinking water is not a matter that is regulated via resource consents. Dosing of fluoride in drinking water is recommended (see MoH guidance above).

How much per annum is spent on fluoridation chemicals?

Approximately 18 tonnes (varies with annual water demand) of sodium fluorosilicate are added per annum. Based on the latest tender price the cost is approximately \$42,523/year.

How much per annum is spent on implementing water fluoridation?

DCC has not implemented new fluoride dosing systems for several decades. The existing systems are robust and enduring with low operating costs circa <\$5000 per year.

How much per annum is spent on testing the levels of water fluoridation?

The most recent test cost for Eurofins is \$10.30 per test. For 24 samples per year this equates to \$247.20.

How much does it cost per Tonne of Hydrofluorosilicic Acid?

This is not used by DCC. Sodium fluorosilicate is approximately \$2,330 per tonne based on the latest tender price.

How many tonne of Hydrofluorosilicic Acid is added into the environment?

This chemical is not used within our Drinking water treatment so is not added into the environment.

Kā mihi

Rebecca Murray

Mana Whakahaere Kairuruku / Governance Support Officer
Governance Group

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Te Kaunihera a Rohe o Ōtepoti - Dunedin City Council

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From: Official Information

Sent: Monday, 15 July 2024 9:19 am

To: [REDACTED]

Subject: Re: Official Information Act request

Kia ora [REDACTED]

Local Government Official Information and Meetings Act (1987) LGOIMA Request for Information

Thank you for your request for information. This message is to acknowledge receipt of your request for information.

We will endeavour to respond to your request as soon as possible and in any event no later than 20 working days after the day your request was received.

If we are unable to respond to your request within the timeframe, we will advise you that we require an extension to respond to your request.

If your request is complex or requires a large amount of collation and research, we may contact you with a view to either refining your request or discussing the possibility of charging for aspects of your request in line with the Dunedin City Council's Charging for LGOIMA Requests Policy.

If we decide to release the information, we aim to provide it at the same time as we give our decision. If this is not possible, we will provide the information as soon as reasonably practicable.

If you need to contact us about your request, please email officialinformation@dcc.govt.nz or phone 03 477 4000.

Kā mihi

Rebecca Murray

Mana Whakahaere Kairuruku / Governance Support Officer
Governance Group

P 03 4774000

Te Kaunihera a Rohe o Ōtepoti - Dunedin City Council

50 The Octagon, Dunedin

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From: [REDACTED]
Sent: Sunday, July 14, 2024 6:37 PM
To: CSA Customer Services - DCC address <customer.services@dcc.govt.nz>
Subject: Official Information Act request

Hello Dunedin City Council team,

I would like answers to the following questions about fluoridation of your community water supplies.

What parts of the region under the council's jurisdiction are fluoridated?

What fluoride chemicals are used to fluoridate the water supply?

What level is water fluoridated at?

How frequently is the level of fluoride in the water tested?

Who performs the testing?

Where is the wastewater discharged?

Is there a Resource consent for the discharge of fluoridation chemicals?

Can you provide the section of the consent that permits the fluoride discharge?

Is there a Resource Consent held by the council to add fluoridation chemicals to the community water supplies?

How much per annum is spent on fluoridation chemicals?

How much per annum is spent on implementing water fluoridation?

How much per annum is spent on testing the levels of water fluoridation?

How much does it cost per Tonne of Hydrofluorosilicic Acid?

How many tonne of Hydrofluorosilicic Acid is added into the environment?

Regards
[REDACTED]