

Wendy Collard

From: Jenny Lapham
Sent: Friday, 14 April 2023 03:50 p.m.
To: [REDACTED]
Subject: FW: Local Government Official Information and Meetings Act Request 1987.
Attachments: Copy of 2023 0412 FAC and Fluoride data.xlsx

Kia Ora [REDACTED]

I refer to the e-mails below and provide our response as follows:

The property at [REDACTED] George Street, North Dunedin, is located within the Māori Hill distribution zone. The drinking water in this zone is supplied by Mt Grand Water Treatment Plant.

Please see attached Free Available Chlorine and Fluoride results collected at the Water Treatment Plant at the Treated Water Reservoir and Free Available Chlorine measured within Māori Hill distribution zone (three sampling locations which include the distribution network in the vicinity of 715C George Street) for March 2023. All sampling and testing are carried out by IANZ accredited laboratory.

Please see below information regarding the other two parameters requested (Magnesium and Hydrogen):

1. Magnesium:

Magnesium is a commonly occurring mineral within drinking water and combined with Calcium, Magnesium is a key component of a measure called 'hardness'. You can read more about 'hardness' at [USGS.govt](https://www.usgs.gov/)

The [source water](#) that Mt Grand treats to supply the Māori Hill distribution zone is classified as 'soft to moderately hard' or with relatively low concentrations of Magnesium and Calcium. Hardness is measured regularly for the plant operation process and is around 30 mg/L for the period above.

Magnesium is only required to be sampled once annually for [source water rules](#) which began on Nov 14th 2022. This annual sample has not yet been scheduled and will be collected later in the year.

There is currently not a [Maximum Acceptable Value \(MAV\)](#) relating to the concentration of Magnesium in drinking water. There are [aesthetic values](#) set for hardness being ≤ 200 mg CaCO₃/L for scale deposition reasons.

2. Hydrogen:

We are unclear from the request what is specifically of interest for 'hydrogen'. We are assuming that you are referring to hydrogen peroxide (H₂O₂) which can be used in some drinking water treatment processes for disinfection.

We can advise that none of our treatment plants use hydrogen peroxide based processes as a disinfection barrier. Therefore there is no monitoring of hydrogen peroxide concentrations required, and no information on this parameter can be provided.

Kā mihi

Jennifer Lapham

Mana Whakahaere Kairuruku/Governance Support Officer
Governance Group

P 03 477 4000 | E Jenny.Lapham@dcc.govt.nz

Te Kaunihera a Rohe o Ōtepoti - Dunedin City Council

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From: [REDACTED]

Sent: Tuesday, 11 April 2023 4:51 p.m.

To: Jenny Lapham <Jenny.Lapham@dcc.govt.nz>

Subject: Re: FW: Transfer of Official Information Act request (OIA Ref: CAS-01676-T8Z2P1)

Hi,

The address is [REDACTED] George Street, North Dunedin.

Thanks,
Georgia

On Tue, 11 Apr 2023 at 4:48 PM, Jenny Lapham <Jenny.Lapham@dcc.govt.nz> wrote:

Kai Ora [REDACTED]

I refer to your e-mail to Taumata Arowai Support, which has been transferred to the Dunedin City Council, as being the authority which is likely to hold the information.

In order to provide an answer to could you please provide an address or a more specific area so we can narrow down the correct Water Treatment Plan and Distribution Zone to provide the data for. This is because different parts of 'North Dunedin' are supplied by both Mt Grand and Southern Water Treatment Plan and several different Distribution Zones.

If you have any queries please contact me via return e-mail or 0212296166.

Kā mihi

Jennifer Lapham

**Mana Whakahaere Kairuruku/Governance Support Officer
Governance Group**

P 03 477 4000 | E Jenny.Lapham@dcc.govt.nz

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From: [REDACTED]
Sent: Saturday, 25 March 2023 5:50 am
To: Info [REDACTED]
Subject: Site enquiry on topic: Official Information Act request

An enquiry has been sent on the topic: Official Information Act request

- Name: [REDACTED]
- Email address: [REDACTED]
- Phone number: [REDACTED]
- Which of these options best describes you?: Member of the public

- Topic of enquiry: Official Information Act request
- Comment: Hi,

I was wondering where I can find the water analysis for the drinking water in the region I live. Is this available online or do I need to put in a request? I am interested in the concentration of fluoride and other ions in the water.

Thanks,

████████

If you have received this message in error, please notify the sender immediately and delete this message along with any attachments. Please treat the contents of this message as private and confidential. Ngā mihi

Date_Sampled	Sampling_Point	TestName	ParameterName	Result	Unit
03/03/2023	DZMH01-01: North Dunedin SS - 8 Regent Rd	FAC - Field Measure (Southern Sampling)	Chlorine (Cl)	0.56	mg/l
04/03/2023	DZMH03-01: Dunedin Central SS - 143 London St	FAC - Field Measure (Southern Sampling)	Chlorine (Cl)	0.70	mg/l
07/03/2023	DZMH01-01: North Dunedin SS - 8 Regent Rd	FAC - Field Measure (Southern Sampling)	Chlorine (Cl)	0.79	mg/l
07/03/2023	DZMH02-01: North East Valley SS - 131 North Rd	FAC - Field Measure (Southern Sampling)	Chlorine (Cl)	0.87	mg/l
10/03/2023	DZMH03-01: Dunedin Central SS - 143 London St	FAC - Field Measure (Southern Sampling)	Chlorine (Cl)	0.63	mg/l
15/03/2023	DZMH02-01: North East Valley SS - 131 North Rd	FAC - Field Measure (Southern Sampling)	Chlorine (Cl)	0.91	mg/l
15/03/2023	DZMH03-01: Dunedin Central SS - 143 London St	FAC - Field Measure (Southern Sampling)	Chlorine (Cl)	0.81	mg/l
18/03/2023	DZMH01-01: North Dunedin SS - 8 Regent Rd	FAC - Field Measure (Southern Sampling)	Chlorine (Cl)	0.66	mg/l
19/03/2023	DZMH01-01: North Dunedin SS - 8 Regent Rd	FAC - Field Measure (Southern Sampling)	Chlorine (Cl)	0.54	mg/l
23/03/2023	DZMH03-01: Dunedin Central SS - 143 London St	FAC - Field Measure (Southern Sampling)	Chlorine (Cl)	0.62	mg/l
27/03/2023	DZMH01-01: North Dunedin SS - 8 Regent Rd	FAC - Field Measure (Southern Sampling)	Chlorine (Cl)	0.67	mg/l
28/03/2023	DZMH02-01: North East Valley SS - 131 North Rd	FAC - Field Measure (Southern Sampling)	Chlorine (Cl)	0.72	mg/l
30/03/2023	DZMH03-01: Dunedin Central SS - 143 London St	FAC - Field Measure (Southern Sampling)	Chlorine (Cl)	0.74	mg/l
21/03/2023	DZMH02-01: North East Valley SS - 131 North Rd	FAC - Field Measure (Southern Sampling)	Chlorine (Cl)	0.87	mg/l
02/04/2023	DZMH01-01: North Dunedin SS - 8 Regent Rd	FAC - Field Measure (Southern Sampling)	Chlorine (Cl)	0.81	mg/l
02/04/2023	DZMH02-01: North East Valley SS - 131 North Rd	FAC - Field Measure (Southern Sampling)	Chlorine (Cl)	0.80	mg/l
06/04/2023	DZMH03-01: Dunedin Central SS - 143 London St	FAC - Field Measure (Southern Sampling)	Chlorine (Cl)	0.70	mg/l
02/03/2023	DWMG56-01: Mt. Grand WTP - Post Treated Water Reservoirs (Com	FAC - Field Measure (Southern Sampling)	Chlorine (Cl)	1.03	mg/l
02/03/2023	DWMG56-01: Mt. Grand WTP - Post Treated Water Reservoirs (Com	Fluoride by IC (APHA 4110 B)	Fluoride	0.67	mg/l
09/03/2023	DWMG56-01: Mt. Grand WTP - Post Treated Water Reservoirs (Com	FAC - Field Measure (Southern Sampling)	Chlorine (Cl)	0.93	mg/l
09/03/2023	DWMG56-01: Mt. Grand WTP - Post Treated Water Reservoirs (Com	Fluoride by IC (APHA 4110 B)	Fluoride	0.62	mg/l
13/03/2023	DWMG56-01: Mt. Grand WTP - Post Treated Water Reservoirs (Com	FAC - Field Measure (Southern Sampling)	Chlorine (Cl)	1.08	mg/l
13/03/2023	DWMG56-01: Mt. Grand WTP - Post Treated Water Reservoirs (Com	Fluoride by IC (APHA 4110 B)	Fluoride	0.67	mg/l
20/03/2023	DWMG56-01: Mt. Grand WTP - Post Treated Water Reservoirs (Com	FAC - Field Measure (Southern Sampling)	Chlorine (Cl)	1.20	mg/l
20/03/2023	DWMG56-01: Mt. Grand WTP - Post Treated Water Reservoirs (Com	Fluoride by IC (APHA 4110 B)	Fluoride	0.68	mg/l