

**From:** [Allie Dunn](#)  
**To:** [REDACTED]  
**Subject:** Response to request for information re fluoridation  
**Date:** Monday, 11 November 2024 2:39:00 pm  
**Attachments:** [image001.png](#)  
[image002.png](#)  
[image003.png](#)  
[image004.png](#)  
[image005.png](#)  
[image006.png](#)  
[image007.png](#)  
[Water Test Results October 2024.pdf](#)

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I refer to your official information request dated 31 October 2024 for information on the fluoridation of the water supply in Dannevirke.

The information you have requested is outlined below.

The Tararua District Council follows the Drinking Water Quality Assurance rules from Taumata Arowai which state that the Council must do continuous monitoring at the plant. Continuous monitoring is generally done at 1 minute intervals. We are therefore getting results for the fluoride treated water every minute - as the water leaves the Dannevirke treatment plant, through our PLC – SCADA system which provides real time data for the plant operators to monitor. There are controls in the system to prevent any overdose of fluoride.

The operators running the plant have the New Zealand Water Treatment Operators qualifications.

There are no requirements under the Drinking Water Quality Assurance Rules to take samples out in the reticulation zone for fluoride analysis.

However the Compliance team decided to undertake weekly monitoring of samples from the Dannevirke zone for fluoride analysis. Copies of the results from the testing laboratory are appended for your information. Our sampling staff are qualified to take water samples in the zone. The samples are then submitted to an IANZ accredited Laboratory for analysis by scientifically qualified staff.

- The annual costs for hydrofluosilicic acid is \$15,530.
- There is no additional cost implications for labour as no additional staffing is required.
- As the plant is new and under warranty there are no initial annual costs for repairs / renewals and \$5,000 per year for operational costs, including PPE, software communication licences, testing equipment reagents, power, incidentals, specialist maintenance where required.

Ngā mihi



**Allie Dunn | Manager - Democracy Services**

**Strategy & Community Wellbeing - Democracy Services | Tararua District Council**

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 Phone: +64 6 3744080 | Mobile: +64 27 3331626

 [Allie.Dunn@Tararua.govt.nz](mailto:Allie.Dunn@Tararua.govt.nz)

 26 Gordon Street, Dannevirke 4930, PO Box 115

 [www.tararua.govt.nz](http://www.tararua.govt.nz)

 [www.facebook.com/tararua](https://www.facebook.com/tararua)

**Now is the time to consider water blasting properties, filling tanks, pools and spa's ahead of the drier summer months...**



**...to reduce the risk of restrictions.**



**From:** [REDACTED]  
**Sent:** Thursday, October 31, 2024 5:30 PM  
**To:** Allie Dunn <Allie.Dunn@Taruadc.govt.nz>  
**Subject:** CM: Re: Clarification of LGOIMA RE: Fluoridation.

**EXTERNAL EMAIL ALERT:** Caution advised. This message is from an external sender. Verify the sender's identity and use caution with attachments and links.

Sorry, I entered the incorrect Date. I wanted all PPM Fluoride Test Results starting from 30/09/2024. Thanks.

[REDACTED]

On Thu, Oct 31, 2024 at 2:03 PM Allie Dunn <[Allie.Dunn@taruadc.govt.nz](mailto:Allie.Dunn@taruadc.govt.nz)> wrote:

Kia ora

With regard to your request for information below, could you please clarify a start date and a finish date that you would like data stated provided for.

We note the request for results starting from yesterday's date.

As currently framed, the only information we would be able to provide you with is one day of test results relating to 30 October 2024. Note LGOIMA requests are for information held by a Council, not for information not yet held or not yet known.

One alternative you could consider is to withdraw that part of this request, and then resubmit say in three months' time and request test results for fluoride levels in the Dannevirke Water Supply for the past quarter.

We await your clarification, and note that as per the Local Government Official Information and Meetings Act 1987 (section 13(7)), the 20 working day timeframe for response will start from the date your clarified request is received.

We will treat separately the second part of your request for costs regarding training, equipment and personnel associated with the introduction of fluoride to the Dannevirke Water Supply, and will endeavour to respond to this part of your request as soon as possible and in any event no later than 28 November 2024, being 20 working days after the day your request was received. If we are unable to respond to your request by then, we will notify you of an extension of that timeframe.

As part of our commitment to openness and accountability, we are now proactively publishing copies of requests for information and the responses provided to these requests, on our website. In doing so, we will ensure we comply with the provisions of the Privacy Act 2020 and redact any personal / identifying information from any response published.

Ngā mihi



**Allie Dunn | Manager - Democracy Services**  
**Strategy & Community Wellbeing - Democracy Services | Tararua District Council**

Phone: +64 6 3744080 | Mobile: +64 27 3331626

[Allie.Dunn@TararuaDC.govt.nz](mailto:Allie.Dunn@TararuaDC.govt.nz)

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[www.facebook.com/tararuaDC](https://www.facebook.com/tararuaDC)

**From:** [REDACTED]  
**Sent:** Thursday, 31 October 2024 1:38 pm  
**To:** Info - Tararua District Council <[Info@TararuaDC.Govt.NZ](mailto:Info@TararuaDC.Govt.NZ)>  
**Subject:** Fluoridation.

**EXTERNAL EMAIL ALERT:** Caution advised. This message is from an external sender. Verify the sender's identity and use caution with attachments and links.

Could you please Provide all PPM Test Results for Fluoride Levels in the Dannevirke Water Supply, starting from 30/10/2024? Could you also Provide all Costs regarding Training, Equipment, and Personnel associated with the Introduction of Fluoride to the Dannevirke Water Supply? Thanks.

[REDACTED]



CENTRAL ENVIRONMENTAL LABORATORIES

Analytical Report

COA No: 24/08080-1

P: +64 6 351 4475  
 E: cenlab@cenlab.co.nz

Taranua District Council  
 26 Gordon Street  
 PO Box 115  
 Dannevirke 4942

Compliance of samples tested are assessed according to 'Water Services (Drinking Water Standards for New Zealand) Regulations 2022'

Date received:	Time received:	TarDC_Sampler:	Sample date:		
10/10/2024	13:59	Connor	10/10/2024		
Sample	Test	Result	Units	Comments	Uncertainty
<b>24/08080-01</b>	<b>TDC ID: Sale Yards</b>	<b>Sample time: 10:38</b>	<b>Sample type: Distribution</b>		
Dannevirke	Temperature	4.8	°C		
DAN001DA	Fluoride	< 0.10	g/m <sup>3</sup>	Complies with MAV of 1.5	
	Escherichia coli	< 1	MPN / 100 mL	Complies with MAV of <1	
	Coliforms - Total	< 1	MPN / 100 mL		
	Temperature - Testpot Reading *	10.3	°C		
<b>24/08080-02</b>	<b>TDC ID: Swimming Pool</b>	<b>Sample time: 08:35</b>	<b>Sample type: Distribution</b>		
Woodville	Temperature	4.8	°C		
WOO001WO	Escherichia coli	< 1	MPN / 100 mL	Complies with MAV of <1	
	Coliforms - Total	< 1	MPN / 100 mL		
	Temperature - Testpot Reading *	10.3	°C		
<b>24/08080-03</b>	<b>TDC ID: Taranua Club</b>	<b>Sample time: 08:14</b>	<b>Sample type: Distribution</b>		
Pahiatua	Temperature	4.8	°C		
PAH001PA	Escherichia coli	< 1	MPN / 100 mL	Complies with MAV of <1	
	Coliforms - Total	< 1	MPN / 100 mL		
	Temperature - Testpot Reading *	10.3	°C		
<b>24/08080-04</b>	<b>TDC ID: Library</b>	<b>Sample time: 07:33</b>	<b>Sample type: Distribution</b>		
Eketahuna	Temperature	4.8	°C		
EKE001EK	Escherichia coli	< 1	MPN / 100 mL	Complies with MAV of <1	
	Coliforms - Total	< 1	MPN / 100 mL		
	Temperature - Testpot Reading *	10.3	°C		
<b>24/08080-05</b>	<b>TDC ID: Lower Norsewood</b>	<b>Sample time: 11:44</b>	<b>Sample type: Treated</b>		
Norsewood WTP	Chlorate **	0.390	g/m <sup>3</sup>	Complies with MAV of 0.8	
TP00153					
<b>24/08080-06</b>	<b>TDC ID: Cemetery</b>	<b>Sample time: 11:53</b>	<b>Sample type: Distribution</b>		
Norsewood	Iron - Total	0.372	g/m <sup>3</sup>	Above GV of 0.3	
NOR002NO	Manganese - Total	0.401	g/m <sup>3</sup>	Does not comply with MAV of 0.4	
<b>24/08080-07</b>	<b>TDC ID: Fire Station</b>	<b>Sample time: 12:18</b>	<b>Sample type: Distribution</b>		

Sample	Test	Result	Units	Comments	Uncertainty
Dannevirke DAN001DA	Fluoride	< 0.10	g/m <sup>3</sup>	Complies with MAV of 1.5	
<b>24/08080-08</b>	<b>TDC ID: Campground</b>		<b>Sample time: 10:52</b>	<b>Sample type: Distribution</b>	
Dannevirke DAN001DA	Fluoride	< 0.10	g/m <sup>3</sup>	Complies with MAV of 1.5	
<b>24/08080-09</b>	<b>TDC ID: Squash Club</b>		<b>Sample time: 11:10</b>	<b>Sample type: Distribution</b>	
Dannevirke DAN001DA	Fluoride	< 0.10	g/m <sup>3</sup>	Complies with MAV of 1.5	
<b>24/08080-10</b>	<b>TDC ID: Cemetery</b>		<b>Sample time: 11:19</b>	<b>Sample type: Distribution</b>	
Dannevirke DAN001DA	Temperature	4.8	°C		
	Fluoride	< 0.10	g/m <sup>3</sup>	Complies with MAV of 1.5	
	Escherichia coli	< 1	MPN / 100 mL	Complies with MAV of <1	
	Coliforms - Total	< 1	MPN / 100 mL		
	Temperature - Testpot Reading *	10.3	°C		
<b>24/08080-11</b>	<b>TDC ID: Town Hall</b>		<b>Sample time: 08:42</b>	<b>Sample type: Distribution</b>	
Woodville WOO001WO	Temperature	4.8	°C		
	Escherichia coli	< 1	MPN / 100 mL	Complies with MAV of <1	
	Coliforms - Total	< 1	MPN / 100 mL		
	Temperature - Testpot Reading *	10.3	°C		
<b>24/08080-12</b>	<b>TDC ID: Sports Stadium</b>		<b>Sample time: 08:06</b>	<b>Sample type: Distribution</b>	
Pahiatua PAH001PA	Temperature	4.8	°C		
	Escherichia coli	< 1	MPN / 100 mL	Complies with MAV of <1	
	Coliforms - Total	< 1	MPN / 100 mL		
	Temperature - Testpot Reading *	10.3	°C		
<b>24/08080-13</b>	<b>TDC ID: Community Centre</b>		<b>Sample time: 07:39</b>	<b>Sample type: Distribution</b>	
Eketahuna EKE001EK	Temperature	4.8	°C		
	Escherichia coli	< 1	MPN / 100 mL	Complies with MAV of <1	
	Coliforms - Total	< 1	MPN / 100 mL		
	Temperature - Testpot Reading *	10.3	°C		

< is less than > is more than, g/m<sup>3</sup> is equivalent to mg/L and ppm, MAV - Maximum Acceptable Value. GV - Guideline Value

Notes: \* Non Accredited Test

\*\* This test has been outsourced. Subcontracted reports can be supplied on request.

#### Test Methodology:

Test Code	Test	Methodology	Detection Limit
Cl03.121	Chlorate	Ion Chromatography. US EPA Method 300.1 Part B (modified)	g/m <sup>3</sup>
E.coli	Escherichia coli	APHA 24th Ed. 9223 B	1 MPN / 100 mL
F.002CG	Fluoride	APHA 24th Ed. 4110 B	0.1 g/m <sup>3</sup>
Fe.006	Iron - Total	APHA 24th Ed. 3111 B, Nitric acid digestion	0.002 g/m <sup>3</sup>
Mn.006	Manganese - Total	APHA 24th Ed. 3111 B, Nitric acid digestion	0.002 g/m <sup>3</sup>
Temp.001	Temperature	Temperature when received at laboratory	0.1 °C
Temp.972	Temperature - Testpot Reading	Non-endorsed onsite reading by Tararua DC	°C

Test Code	Test	Methodology	Detection Limit
totcol	Coliforms - Total	APHA 24th Ed. 9223 B	1 MPN / 100 mL

Test analysis was initiated between 10/10/2024 and 15/10/2024. For start dates of individual analyses please contact the laboratory.

Report released by



Principal Analyst

Date: 18 October 2024

**Key Technical Person:**



This Laboratory is accredited by International Accreditation New Zealand.  
 Tests and sampling procedures have been performed in accordance with the conditions of our accreditation.  
 Where not supplied test methods, detection limits and uncertainties are available on request.  
 When samples are collected by the client or an agent of the client, results reported apply only to samples as received at the Laboratory.  
 This report shall not be reproduced except in full, without the written approval of this laboratory.





CENTRAL ENVIRONMENTAL LABORATORIES

Central Environmental Laboratories  
 Module 2, Batchelar Agricultural Centre, Batchelar Road  
 Palmerston North, 4472  
 PO Box 6054 Awapuni Palmerston North, 4412  
 New Zealand

## Analytical Report

COA No: 24/08276-1

P: +64 6 351 4475  
 E: cenlab@cenlab.co.nz

Tararua District Council  
 26 Gordon Street  
 PO Box 115  
 Dannevirke 4942

Compliance of samples tested are assessed according to 'Water Services (Drinking Water Standards for New Zealand) Regulations 2022'

Date received: 18/10/2024	Time received: 14:00	TarDC_Sampler: Connor	Sample date: 18/10/2024		
Sample	Test	Result	Units	Comments	Uncertainty
<b>24/08276-01</b>	<b>TDC ID: Turb Meter</b>	<b>Sample time: 11:32</b>	<b>Sample type: Source</b>		
Tamaki River	Temperature	10.3	°C		
S00087	Colour -True	< 5	TCU		
	Iron - Total	0.041	g/m <sup>3</sup>	Below GV of 0.3	
	Manganese - Total	< 0.002	g/m <sup>3</sup>	Complies with MAV of 0.4	
	Nitrate	0.372	g/m <sup>3</sup> NO3-N	Complies with MAV of 11.3	
	Escherichia coli	58	MPN / 100 mL	Does not comply with MAV of <1	
	Coliforms - Total	111	MPN / 100 mL		
	Temperature - Testpot Reading *	10.3	°C		
<b>24/08276-02</b>	<b>TDC ID: Sale Yards</b>	<b>Sample time: 10:55</b>	<b>Sample type: Distribution</b>		
Dannevirke	Temperature	10.3	°C		
DAN001DA	Fluoride	0.38	g/m <sup>3</sup>	Complies with MAV of 1.5	
	Escherichia coli	< 1	MPN / 100 mL	Complies with MAV of <1	
	Coliforms - Total	< 1	MPN / 100 mL		
	Temperature - Testpot Reading *	10.3	°C		
<b>24/08276-03</b>	<b>TDC ID: Turb Meter</b>	<b>Sample time: 10:10</b>	<b>Sample type: Source</b>		
Mangapapa Stream	Temperature	10.3	°C		
S00085	Colour -True	12	TCU		
	Iron - Total	0.100	g/m <sup>3</sup>	Below GV of 0.3	
	Manganese - Total	0.004	g/m <sup>3</sup>	Complies with MAV of 0.4	
	Nitrate	0.140	g/m <sup>3</sup> NO3-N	Complies with MAV of 11.3	
	Escherichia coli	119	MPN / 100 mL	Does not comply with MAV of <1	
	Coliforms - Total	921	MPN / 100 mL		
	Temperature - Testpot Reading *	10.3	°C		
<b>24/08276-04</b>	<b>TDC ID: Swimming Pool</b>	<b>Sample time: 12:16</b>	<b>Sample type: Distribution</b>		
Woodville	Temperature	10.3	°C		
WOO001WO	Escherichia coli	< 1	MPN / 100 mL	Complies with MAV of <1	
	Coliforms - Total	< 1	MPN / 100 mL		
	Temperature - Testpot Reading *	10.3	°C		
<b>24/08276-05</b>	<b>TDC ID: Bore Tap</b>	<b>Sample time: 09:40</b>	<b>Sample type: Source</b>		









CENTRAL ENVIRONMENTAL LABORATORIES

**Analytical Report**

**COA No: 24/08303-1**

P: +64 6 351 4475  
 E: cenlab@cenlab.co.nz

Tararua District Council  
 26 Gordon Street  
 PO Box 115  
 Dannevirke 4942

**Compliance of samples tested are assessed according to 'Water Services (Drinking Water Standards for New Zealand) Regulations 2022'**

**Date received:** 21/10/2024  
**Sample type:** Distribution

**Time received:** 12:30

**TarDC\_Sampler:** Connor

**Sample date:** 21/10/2024

Sample	Test	Result	Units	Comments	Uncertainty
<b>24/08303-01</b>		<b>TDC ID: Cemetery</b>		<b>Sample time: 10:50</b>	
Dannevirke	Temperature	6.9	°C		
DAN001DA	Fluoride	0.26	g/m <sup>3</sup>	Complies with MAV of 1.5	
	Escherichia coli	< 1	MPN / 100 mL	Complies with MAV of <1	
	Coliforms - Total	< 1	MPN / 100 mL		
	Temperature - Testpot Reading *	13.2	°C		
<b>24/08303-02</b>		<b>TDC ID: Town Hall</b>		<b>Sample time: 08:57</b>	
Woodville	Temperature	6.9	°C		
WOO001WO	Escherichia coli	< 1	MPN / 100 mL	Complies with MAV of <1	
	Coliforms - Total	< 1	MPN / 100 mL		
	Temperature - Testpot Reading *	13.2	°C		
<b>24/08303-03</b>		<b>TDC ID: Sports Stadium</b>		<b>Sample time: 08:29</b>	
Pahiatua	Temperature	6.9	°C		
PAH001PA	Escherichia coli	< 1	MPN / 100 mL	Complies with MAV of <1	
	Coliforms - Total	< 1	MPN / 100 mL		
	Temperature - Testpot Reading *	13.2	°C		
<b>24/08303-04</b>		<b>TDC ID: Community Centre</b>		<b>Sample time: 07:53</b>	
Eketahuna	Temperature	6.9	°C		
EKE001EK	Escherichia coli	< 1	MPN / 100 mL	Complies with MAV of <1	
	Coliforms - Total	< 1	MPN / 100 mL		
	Temperature - Testpot Reading *	13.2	°C		
<b>24/08303-05</b>		<b>TDC ID: Sale Yards</b>		<b>Sample time: 11:05</b>	
Dannevirke	Temperature	6.9	°C		
DAN001DA	Fluoride	0.21	g/m <sup>3</sup>	Complies with MAV of 1.5	
	Escherichia coli	< 1	MPN / 100 mL	Complies with MAV of <1	
	Coliforms - Total	< 1	MPN / 100 mL		
	Temperature - Testpot Reading *	13.2	°C		
<b>24/08303-06</b>		<b>TDC ID: Swimming Pool</b>		<b>Sample time: 09:06</b>	

