

From: [Allie Dunn](#)
To: [REDACTED]
Subject: Request for information re Fluoride Recordings for Dannevirke Water Supply
Date: Monday, 11 November 2024 2:55:00 pm
Attachments: [image003.png](#)
[image004.png](#)
[image009.png](#)
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[image011.png](#)
[image012.png](#)
[image013.png](#)
[image014.png](#)
[Water Test Results October 2024.pdf](#)

Kia ora

I refer to your official information request dated 9 November 2024 for information on the fluoride recordings for the water 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. 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.

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

Ngā mihi



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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.

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Tararua District Council can you please tell us all, whether a) council staff take and document the fluoride recordings in the water for Dannevirke, and b) if they do why are these not published so the whole community can see for themselves what these recordings are?

If council doesn't take these recordings, why not?

Also have those staff members who conduct the water tests are they certified testers for fluoride??

Thank you in advance... surely this can't be a LGOIMA request as this information should be, according to LGNZ be public information (I'm told the Ombudsman considers the same)



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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
24/08080-01	TDC ID: Sale Yards	Sample time: 10:38	Sample type: Distribution		
Dannevirke	Temperature	4.8	°C		
DAN001DA	Fluoride	< 0.10	g/m ³	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		
24/08080-02	TDC ID: Swimming Pool	Sample time: 08:35	Sample type: Distribution		
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		
24/08080-03	TDC ID: Taranua Club	Sample time: 08:14	Sample type: Distribution		
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		
24/08080-04	TDC ID: Library	Sample time: 07:33	Sample type: Distribution		
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		
24/08080-05	TDC ID: Lower Norsewood	Sample time: 11:44	Sample type: Treated		
Norsewood WTP	Chlorate **	0.390	g/m ³	Complies with MAV of 0.8	
TP00153					
24/08080-06	TDC ID: Cemetery	Sample time: 11:53	Sample type: Distribution		
Norsewood	Iron - Total	0.372	g/m ³	Above GV of 0.3	
NOR002NO	Manganese - Total	0.401	g/m ³	Does not comply with MAV of 0.4	
24/08080-07	TDC ID: Fire Station	Sample time: 12:18	Sample type: Distribution		

Sample	Test	Result	Units	Comments	Uncertainty
Dannevirke DAN001DA	Fluoride	< 0.10	g/m ³	Complies with MAV of 1.5	
24/08080-08	TDC ID: Campground		Sample time: 10:52	Sample type: Distribution	
Dannevirke DAN001DA	Fluoride	< 0.10	g/m ³	Complies with MAV of 1.5	
24/08080-09	TDC ID: Squash Club		Sample time: 11:10	Sample type: Distribution	
Dannevirke DAN001DA	Fluoride	< 0.10	g/m ³	Complies with MAV of 1.5	
24/08080-10	TDC ID: Cemetery		Sample time: 11:19	Sample type: Distribution	
Dannevirke DAN001DA	Temperature	4.8	°C		
	Fluoride	< 0.10	g/m ³	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		
24/08080-11	TDC ID: Town Hall		Sample time: 08:42	Sample type: Distribution	
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		
24/08080-12	TDC ID: Sports Stadium		Sample time: 08:06	Sample type: Distribution	
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		
24/08080-13	TDC ID: Community Centre		Sample time: 07:39	Sample type: Distribution	
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/m³ 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 ³
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 ³
Fe.006	Iron - Total	APHA 24th Ed. 3111 B, Nitric acid digestion	0.002 g/m ³
Mn.006	Manganese - Total	APHA 24th Ed. 3111 B, Nitric acid digestion	0.002 g/m ³
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.
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CENTRAL ENVIRONMENTAL LABORATORIES

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 New Zealand

Analytical Report

COA No: 24/08276-1

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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: 18/10/2024	Time received: 14:00	TarDC_Sampler: Connor	Sample date: 18/10/2024		
Sample	Test	Result	Units	Comments	Uncertainty
24/08276-01	TDC ID: Turb Meter	Sample time: 11:32	Sample type: Source		
Tamaki River	Temperature	10.3	°C		
S00087	Colour -True	< 5	TCU		
	Iron - Total	0.041	g/m ³	Below GV of 0.3	
	Manganese - Total	< 0.002	g/m ³	Complies with MAV of 0.4	
	Nitrate	0.372	g/m ³ 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		
24/08276-02	TDC ID: Sale Yards	Sample time: 10:55	Sample type: Distribution		
Dannevirke	Temperature	10.3	°C		
DAN001DA	Fluoride	0.38	g/m ³	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		
24/08276-03	TDC ID: Turb Meter	Sample time: 10:10	Sample type: Source		
Mangapapa Stream	Temperature	10.3	°C		
S00085	Colour -True	12	TCU		
	Iron - Total	0.100	g/m ³	Below GV of 0.3	
	Manganese - Total	0.004	g/m ³	Complies with MAV of 0.4	
	Nitrate	0.140	g/m ³ 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		
24/08276-04	TDC ID: Swimming Pool	Sample time: 12:16	Sample type: Distribution		
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		
24/08276-05	TDC ID: Bore Tap	Sample time: 09:40	Sample type: Source		

Sample	Test	Result	Units	Comments	Uncertainty
Pahiatua Bore (2011) G01951	Temperature	10.3	°C		
	Colour -True	< 5	TCU		
	Iron - Total	0.102	g/m³	Below GV of 0.3	
	Manganese - Total	0.005	g/m³	Complies with MAV of 0.4	
	Nitrate	0.064	g/m³ NO3-N	Complies with MAV of 11.3	
	Escherichia coli	< 1	MPN / 100 mL	Complies with MAV of <1	
	Coliforms - Total	< 1	MPN / 100 mL		
	Temperature - Testpot Reading *	10.3	°C		
<hr/>					
24/08276-06	TDC ID: Turb Meter		Sample time: 09:20	Sample type: Source	
Mangatainoka River S00083	Temperature	10.3	°C		
	Colour -True	7	TCU		
	Iron - Total	0.134	g/m³	Below GV of 0.3	
	Manganese - Total	0.002	g/m³	Complies with MAV of 0.4	
	Nitrate	0.857	g/m³ NO3-N	Complies with MAV of 11.3	
	Escherichia coli	70	MPN / 100 mL	Does not comply with MAV of <1	
	Coliforms - Total	613	MPN / 100 mL		
	Temperature - Testpot Reading *	10.3	°C		
<hr/>					
24/08276-07	TDC ID: Tararua Club		Sample time: 09:17	Sample type: Distribution	
Pahiatua PAH001PA	Temperature	10.3	°C		
	Escherichia coli	< 1	MPN / 100 mL	Complies with MAV of <1	
	Coliforms - Total	< 1	MPN / 100 mL		
	Temperature - Testpot Reading *	10.3	°C		
<hr/>					
24/08276-08	TDC ID: Turb Meter		Sample time: 08:15	Sample type: Source	
Makakahi River S00086	Temperature	10.3	°C		
	Escherichia coli	< 1	MPN / 100 mL	Complies with MAV of <1	
	Coliforms - Total	< 1	MPN / 100 mL		
	Temperature - Testpot Reading *	10.3	°C		
<hr/>					
24/08276-09	TDC ID: Library		Sample time: 08:03	Sample type: Distribution	
Eketahuna EKE001EK	Temperature	10.3	°C		
	Escherichia coli	< 1	MPN / 100 mL	Complies with MAV of <1	
	Coliforms - Total	< 1	MPN / 100 mL		
	Temperature - Testpot Reading *	10.3	°C		
<hr/>					
24/08276-10	TDC ID: Upper		Sample time: 12:05	Sample type: Treated	
Norsewood WTP TP00153	Iron - Total	0.545	g/m³	Above GV of 0.3	
	Manganese - Total	0.619	g/m³	Does not comply with MAV of 0.4	
<hr/>					
24/08276-11	TDC ID: Cemetery		Sample time: 11:15	Sample type: Distribution	
Dannevirke DAN001DA	Temperature	10.3	°C		
	Fluoride	0.51	g/m³	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		
<hr/>					
24/08276-12	TDC ID: Community Centre		Sample time: 07:57	Sample type: Distribution	

Sample	Test	Result	Units	Comments	Uncertainty
Eketahuna	Temperature	10.3	°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		

24/08276-13 **TDC ID:** Town Hall **Sample time:** 12:10 **Sample type:** Distribution

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		

24/08276-14 **TDC ID:** Sports Stadium **Sample time:** 09:12 **Sample type:** Distribution

Pahiatua	Temperature	10.3	°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		

< is less than > is more than, g/m³ is equivalent to mg/L and ppm, MAV - Maximum Acceptable Value. GV - Guideline Value

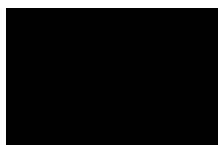
Notes: * Non Accredited Test

Test Methodology:

Test Code	Test	Methodology	Detection Limit
Color003	Colour -True	APHA 24th Ed. 2120 B, 0.45 micron filtered, 455 nm	5 TCU
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 ³
Fe.006	Iron - Total	APHA 24th Ed. 3111 B, Nitric acid digestion	0.002 g/m ³
Mn.006	Manganese - Total	APHA 24th Ed. 3111 B, Nitric acid digestion	0.002 g/m ³
N3.002CG	Nitrate	APHA 24th Ed. 4110 B	0.005 g/m ³ NO ₃ -N
Temp.001	Temperature	Temperature when received at laboratory	0.1 °C
Temp.972	Temperature - Testpot Reading	Non-endorsed onsite reading by Tararua DC	°C
totcol	Coliforms - Total	APHA 24th Ed. 9223 B	1 MPN / 100 mL

Test analysis was initiated between 18/10/2024 and 24/10/2024. For start dates of individual analyses please contact the laboratory.

Report released by



Principal Analyst

Date: 29 October 2024

Key Technical Person:

[Redacted Name]
[Redacted Name]
[Redacted Name]
[Redacted Name]

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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.

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CENTRAL ENVIRONMENTAL LABORATORIES

Analytical Report

COA No: 24/08303-1

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 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: 21/10/2024
 Sample type: Distribution

Time received: 12:30

TarDC_Sampler: Connor

Sample date: 21/10/2024

Sample	Test	Result	Units	Comments	Uncertainty
24/08303-01		TDC ID: Cemetery		Sample time: 10:50	
Dannevirke	Temperature	6.9	°C		
DAN001DA	Fluoride	0.26	g/m ³	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		
24/08303-02		TDC ID: Town Hall		Sample time: 08:57	
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		
24/08303-03		TDC ID: Sports Stadium		Sample time: 08:29	
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		
24/08303-04		TDC ID: Community Centre		Sample time: 07:53	
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		
24/08303-05		TDC ID: Sale Yards		Sample time: 11:05	
Dannevirke	Temperature	6.9	°C		
DAN001DA	Fluoride	0.21	g/m ³	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		
24/08303-06		TDC ID: Swimming Pool		Sample time: 09:06	

Sample	Test	Result	Units	Comments	Uncertainty
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		

24/08303-07 **TDC ID:** Tararua Club **Sample time:** 08:36

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		

24/08303-08 **TDC ID:** Library **Sample time:** 07:59

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		

< is less than > is more than, g/m³ is equivalent to mg/L and ppm, MAV - Maximum Acceptable Value. GV - Guideline Value

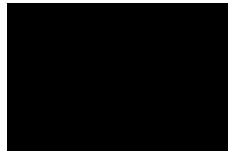
Notes: * Non Accredited Test

Test Methodology:

Test Code	Test	Methodology	Detection Limit
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 ³
Temp.001	Temperature	Temperature when received at laboratory	0.1 °C
Temp.972	Temperature - Testpot Reading	Non-endorsed onsite reading by Tararua DC	°C
totcol	Coliforms - Total	APHA 24th Ed. 9223 B	1 MPN / 100 mL

Test analysis was initiated between 21/10/2024 and 24/10/2024. For start dates of individual analyses please contact the laboratory.

Report released by



Principal Analyst

Date: 29 October 2024

Key Technical Person:



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