

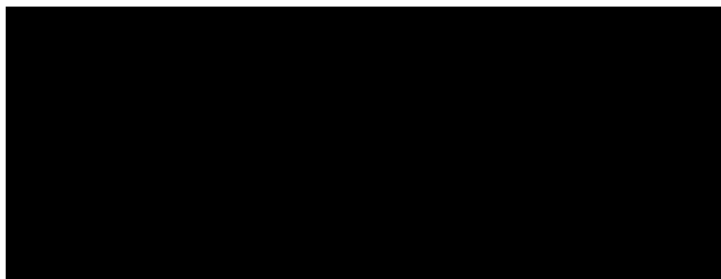


Ref: [REDACTED]

Civic House, 110 Trafalgar Street
PO Box 645, Nelson 7040, New Zealand

4 September 2025

P (03) 546 0200
E LGOIMA@ncc.govt.nz
nelson.govt.nz



OFFICIAL INFORMATION REQUEST – FLUORIDATION

I refer to your official information request dated 24 August 2025 regarding fluoridation of the Nelson City Council water supply.

Your request is reproduced here:

Hello

As convenor of the Nelson Clean Water Coalition Inc, our members are wanting detailed data of the measurements the City Council are making in monitoring the levels of fluoride being added to our city water supply.

Please provide specific information on each of these 10 questions:

- 1. What the prescribed level of fluoride required by the Ministry of Health is in ppm (parts per million).*
- 2. How often fluoride is added to Nelson's water at the treatment plant.*
- 3. What measures monitoring staff take to ensure that the dosage is kept within prescribed limits.*
- 4. The daily measured levels of fluoride in ppm of fluoride in our city water supply, over the entire period since it began.*
- 5. How often does the monitoring company, or staff, report the data to Council?*
- 6. Who in the Council receives this data and reports it to the full Council.*
- 7. What safety measures are in place, to ensure that the level of fluoride is not exceeded.*
- 8. How are these safety measures being practised, and who monitors them.*
- 9. What remediation steps are taken when the readings are over 1.0ppm.*

10. What actions NCC will take when the public report measured fluoride levels in excess of the required standards.

Thank you

I confirm the following in response to your queries:

- The direction from the Minister of Health sets a target concentration of fluoride in treated water at between 0.7 and 1.0mg/L. Council has set the dosing level to achieve a target fluoride level at the water treatment plant of 0.85mg/L. The maximum acceptable value under the Drinking Water Standards for New Zealand is 1.5mg/L.
- Fluoride is added continuously.
- Council tests fluoride levels continuously at the water treatment plant. Fluoride is dispensed by an electro- mechanical dispenser at a pre-programmed dose level. Dose volume discrepancy alarms were installed as part of the dosing equipment.
- Attached is a spreadsheet of the daily average fluoride levels at the water treatment plant since fluoridation began.
- Council's water treatment plant contractors provide a monthly report to Council staff. Exception reporting to Council staff identifying non-compliance with drinking water standards is done immediately a non-compliance is identified. Any variation to fluoride levels - beyond the target range but less than the high level alarm, is reported to Council staff on the day or by the next working day as appropriate.
- The monthly reports are provided to Council's operations and maintenance team members. If any reports are received of exceedances of the maximum acceptable value under the Drinking Water Standards they will be reported to Council's operations and maintenance team members in the first instance and then reported to the elected members at the first available opportunity.
- Dose volume discrepancy alarms were installed as part of the dosing equipment to alert the treatment plant operator. If a high-level alarm is triggered the fluoride dosing equipment is automatically shut off. The treatment plant operator maintains a 24 hour/7 days per week response to plant alarms.
- If the High Level alarm sounds the plant operator investigates the operation of the dosing equipment and ensures the dosing has been stopped until the source of the alarm has been identified and rectified.
- If fluoride readings in excess of 1.0ppm occur these will be investigated and any necessary maintenance or repairs will be undertaken.
- Any response by Council to public reports of high fluoride levels will depend on the circumstances associated with any reports – particularly the level of independent professional sampling and testing undertaken.

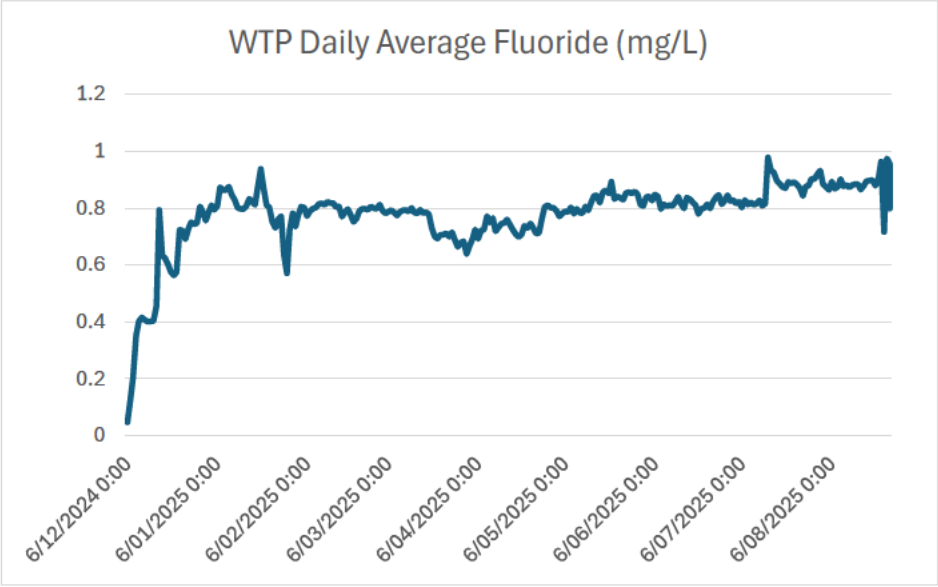
You have the right to seek an investigation and review by the Ombudsman of this response and also in relation to the extension of the statutory deadline. Information about how to make a complaint is available at www.ombudsman.parliament.nz or Freephone 0800 802 602.

Yours sincerely



Alec Louverdis
Deputy Chief Executive/ Group Manager Infrastructure

Time	WTP Daily Average Fluoride (mg/L)
6/12/2024 16:00	0.047
7/12/2024 16:00	0.1252
8/12/2024 16:00	0.2052
9/12/2024 16:00	0.3517
10/12/2024 16:00	0.4022
11/12/2024 16:00	0.4161
12/12/2024 16:00	0.4058
13/12/2024 16:00	0.4013
14/12/2024 16:00	0.4015
15/12/2024 16:00	0.4032
16/12/2024 16:00	0.4567
17/12/2024 16:00	0.7934
18/12/2024 16:00	0.6324
19/12/2024 16:00	0.6248
20/12/2024 16:00	0.6015
21/12/2024 16:00	0.5768
22/12/2024 16:00	0.5632
23/12/2024 16:00	0.575
24/12/2024 16:00	0.7237
25/12/2024 16:00	0.7215
26/12/2024 16:00	0.6908
27/12/2024 16:00	0.7287
28/12/2024 16:00	0.7507
29/12/2024 16:00	0.7431
30/12/2024 16:00	0.7471
31/12/2024 16:00	0.8059
1/01/2025 16:00	0.7868
2/01/2025 16:00	0.7562
3/01/2025 16:00	0.7833
4/01/2025 16:00	0.8107
5/01/2025 16:00	0.7941
6/01/2025 16:00	0.8071
7/01/2025 16:00	0.8735
8/01/2025 16:00	0.8634
9/01/2025 16:00	0.8638
10/01/2025 16:00	0.8756
11/01/2025 16:00	0.8455
12/01/2025 16:00	0.8293
13/01/2025 16:00	0.8008
14/01/2025 16:00	0.7973
15/01/2025 16:00	0.7966
16/01/2025 16:00	0.8062
17/01/2025 16:00	0.8327
18/01/2025 16:00	0.8234
19/01/2025 16:00	0.8121
20/01/2025 16:00	0.8738
21/01/2025 16:00	0.9381
22/01/2025 16:00	0.8724
23/01/2025 16:00	0.8103



24/01/2025 16:00	0.8028
25/01/2025 16:00	0.752
26/01/2025 16:00	0.7305
27/01/2025 16:00	0.7602
28/01/2025 16:00	0.7718
29/01/2025 16:00	0.6372
30/01/2025 16:00	0.5709
31/01/2025 16:00	0.7213
1/02/2025 16:00	0.7818
2/02/2025 16:00	0.735
3/02/2025 16:00	0.7786
4/02/2025 16:00	0.8052
5/02/2025 16:00	0.8021
6/02/2025 16:00	0.7716
7/02/2025 16:00	0.7906
8/02/2025 16:00	0.799
9/02/2025 16:00	0.8018
10/02/2025 16:00	0.8147
11/02/2025 16:00	0.8167
12/02/2025 16:00	0.8111
13/02/2025 16:00	0.8218
14/02/2025 16:00	0.8176
15/02/2025 16:00	0.8177
16/02/2025 16:00	0.8026
17/02/2025 16:00	0.806
18/02/2025 16:00	0.7701
19/02/2025 16:00	0.7852
20/02/2025 16:00	0.7968
21/02/2025 16:00	0.778
22/02/2025 16:00	0.7521
23/02/2025 16:00	0.7635
24/02/2025 16:00	0.7902
25/02/2025 16:00	0.7977
26/02/2025 16:00	0.7976
27/02/2025 16:00	0.7942
28/02/2025 16:00	0.806
1/03/2025 16:00	0.7998
2/03/2025 16:00	0.7972
3/03/2025 16:00	0.8126
4/03/2025 16:00	0.7922
5/03/2025 16:00	0.7819
6/03/2025 16:00	0.7875
7/03/2025 16:00	0.7939
8/03/2025 16:00	0.7846
9/03/2025 16:00	0.7742
10/03/2025 16:00	0.7865
11/03/2025 16:00	0.7924
12/03/2025 16:00	0.7936
13/03/2025 16:00	0.7878
14/03/2025 16:00	0.8011

15/03/2025 16:00	0.7849
16/03/2025 16:00	0.7813
17/03/2025 16:00	0.7943
18/03/2025 16:00	0.7832
19/03/2025 16:00	0.7855
20/03/2025 16:00	0.7784
21/03/2025 16:00	0.7313
22/03/2025 16:00	0.7
23/03/2025 16:00	0.693
24/03/2025 16:00	0.7064
25/03/2025 16:00	0.7069
26/03/2025 16:00	0.7124
27/03/2025 16:00	0.6994
28/03/2025 16:00	0.7152
29/03/2025 16:00	0.6861
30/03/2025 16:00	0.6636
31/03/2025 16:00	0.6788
1/04/2025 16:00	0.683
2/04/2025 16:00	0.6378
3/04/2025 16:00	0.6657
4/04/2025 16:00	0.691
5/04/2025 16:00	0.7248
6/04/2025 15:00	0.6919
7/04/2025 15:00	0.7207
8/04/2025 15:00	0.7248
9/04/2025 15:00	0.7721
10/04/2025 15:00	0.7495
11/04/2025 15:00	0.7656
12/04/2025 15:00	0.7183
13/04/2025 15:00	0.7329
14/04/2025 15:00	0.7452
15/04/2025 15:00	0.7487
16/04/2025 15:00	0.76
17/04/2025 15:00	0.7411
18/04/2025 15:00	0.7237
19/04/2025 15:00	0.7074
20/04/2025 15:00	0.6982
21/04/2025 15:00	0.7078
22/04/2025 15:00	0.7383
23/04/2025 15:00	0.7303
24/04/2025 15:00	0.7465
25/04/2025 15:00	0.7304
26/04/2025 15:00	0.7097
27/04/2025 15:00	0.7133
28/04/2025 15:00	0.7657
29/04/2025 15:00	0.8052
30/04/2025 15:00	0.811
1/05/2025 15:00	0.8015
2/05/2025 15:00	0.8004
3/05/2025 15:00	0.7912

4/05/2025 15:00	0.7712
5/05/2025 15:00	0.7803
6/05/2025 15:00	0.789
7/05/2025 15:00	0.786
8/05/2025 15:00	0.8027
9/05/2025 15:00	0.7802
10/05/2025 15:00	0.7973
11/05/2025 15:00	0.784
12/05/2025 15:00	0.7832
13/05/2025 15:00	0.8064
14/05/2025 15:00	0.7925
15/05/2025 15:00	0.8212
16/05/2025 15:00	0.8435
17/05/2025 15:00	0.8453
18/05/2025 15:00	0.8186
19/05/2025 15:00	0.8554
20/05/2025 15:00	0.8645
21/05/2025 15:00	0.8519
22/05/2025 15:00	0.8924
23/05/2025 15:00	0.8316
24/05/2025 15:00	0.8418
25/05/2025 15:00	0.8361
26/05/2025 15:00	0.8299
27/05/2025 15:00	0.8537
28/05/2025 15:00	0.8566
29/05/2025 15:00	0.8523
30/05/2025 15:00	0.8586
31/05/2025 15:00	0.8495
1/06/2025 15:00	0.8111
2/06/2025 15:00	0.8086
3/06/2025 15:00	0.8393
4/06/2025 15:00	0.8415
5/06/2025 15:00	0.8267
6/06/2025 15:00	0.8479
7/06/2025 15:00	0.8421
8/06/2025 15:00	0.7968
9/06/2025 15:00	0.814
10/06/2025 15:00	0.8072
11/06/2025 15:00	0.8102
12/06/2025 15:00	0.8083
13/06/2025 15:00	0.8211
14/06/2025 15:00	0.8408
15/06/2025 15:00	0.8164
16/06/2025 15:00	0.7992
17/06/2025 15:00	0.8376
18/06/2025 15:00	0.8321
19/06/2025 15:00	0.8209
20/06/2025 15:00	0.8104
21/06/2025 15:00	0.7793
22/06/2025 15:00	0.7973

23/06/2025 15:00	0.8005
24/06/2025 15:00	0.8139
25/06/2025 15:00	0.799
26/06/2025 15:00	0.8228
27/06/2025 15:00	0.8388
28/06/2025 15:00	0.847
29/06/2025 15:00	0.8137
30/06/2025 15:00	0.8258
1/07/2025 15:00	0.8454
2/07/2025 15:00	0.8255
3/07/2025 15:00	0.8284
4/07/2025 15:00	0.8154
5/07/2025 15:00	0.8219
6/07/2025 15:00	0.8017
7/07/2025 15:00	0.8284
8/07/2025 15:00	0.813
9/07/2025 15:00	0.8215
10/07/2025 15:00	0.8114
11/07/2025 15:00	0.8164
12/07/2025 15:00	0.8273
13/07/2025 15:00	0.8082
14/07/2025 15:00	0.8157
15/07/2025 15:00	0.9783
16/07/2025 15:00	0.9321
17/07/2025 15:00	0.9263
18/07/2025 15:00	0.8972
19/07/2025 15:00	0.8865
20/07/2025 15:00	0.8749
21/07/2025 15:00	0.8701
22/07/2025 15:00	0.8916
23/07/2025 15:00	0.8876
24/07/2025 15:00	0.892
25/07/2025 15:00	0.8817
26/07/2025 15:00	0.8707
27/07/2025 15:00	0.8425
28/07/2025 15:00	0.876
29/07/2025 15:00	0.8804
30/07/2025 15:00	0.9034
31/07/2025 15:00	0.9023
1/08/2025 15:00	0.9189
2/08/2025 15:00	0.9323
3/08/2025 15:00	0.8844
4/08/2025 15:00	0.8751
5/08/2025 15:00	0.8636
6/08/2025 15:00	0.8938
7/08/2025 15:00	0.8687
8/08/2025 15:00	0.8748
9/08/2025 15:00	0.9025
10/08/2025 15:00	0.8774
11/08/2025 15:00	0.8827

12/08/2025 15:00	0.8725
13/08/2025 15:00	0.8814
14/08/2025 15:00	0.8848
15/08/2025 15:00	0.8844
16/08/2025 15:00	0.8655
17/08/2025 15:00	0.8793
18/08/2025 15:00	0.8952
19/08/2025 15:00	0.8975
20/08/2025 15:00	0.8998
21/08/2025 15:00	0.879
22/08/2025 15:00	0.901
23/08/2025 15:00	0.9639
24/08/2025 15:00	0.716
25/08/2025 15:00	0.9755
26/08/2025 15:00	0.9565
26/08/2025 15:16	0.7987