

Wednesday 31 May 2023

**OIA IRO-412**

Name: [REDACTED]

Email: [REDACTED] [yahoo.co.nz](mailto:[REDACTED]@yahoo.co.nz)

Kia ora [REDACTED]

**Official information request for fluoride levels in all water supplies from June 2022 to end of April 2023.**

Thank you for your official information request dated Wednesday 3 May 2023.

We have considered your request in accordance with the Local Government Official Information and Meetings Act 1987 (the Act) and determined that we are able to grant your request in full.

The data has been provided to you in three formats. June and July 2022 can be found in the Appendix of this letter, August to December 2022 is attached in our email to you 'Fluoride Reporting August 2022 – December 2022', and the data from January 2023 onwards is also in our email to you but in separate monthly attachments.

For more information and regular updates on Fluoride, [visit the Monitoring fluoride levels at water treatment plants page](#) on our website.

You have the right to seek an investigation and review by the Ombudsman of this decision. Information about how to make a complaint is available at [www.ombudsman.parliament.nz](http://www.ombudsman.parliament.nz) or freephone 0800 802 602.

Ngā mihi,

[REDACTED]

**Team Lead, Communications and Engagement**

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 /wellingtonwater  @wgtwaternz & @wgtwateroutage  @wellington\_water

[www.wellingtonwater.co.nz](http://www.wellingtonwater.co.nz)

**Our water, our future.**

## Appendix

June	Percentage	Average
<b>Gear Island Post Fluoride Analyser #2</b>	6%	0.5
<b>Waterloo Naenae Fluoride Residual</b>	100%	0.8
<b>Te Marua PS Fluoride Residual</b>	3%	0.1
<b>Wainui Fluoride Building Fluoride Residual 1</b>	94%	0.8

July	Percentage	Average
<b>Gear Island Post Fluoride Analyser #2</b>	9%	0.44
<b>Waterloo Naenae Fluoride Residual</b>	97%	0.81
<b>Te Marua PS Fluoride Residual</b>	0%	0.05
<b>Wainui Fluoride Building Fluoride Residual 1</b>	90%	0.74

WTP/Fluoride Facility	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22
<b>Te Marua</b>	22% / 0.3	87% / 0.73	81% / 0.69	100% / 0,81	100% / 0.80
<b>Waterloo</b>	97% / 0.82	97% / 0.79	97% / 0.75	70% / 0.95	100% / 0.77
<b>Gear Island</b>	19% / 0.51	90% / 0.73	97% / 0.77	80% / 0.71	78% / 0.72
<b>Wainuiomata</b>	97% / 0.81	100% / 0.78	97% / 0.78	90% / 0.78	81% / 0.67

## Wellington Fluoridation Measurements

### Fluoride levels and measurement at Water Treatment Plants

Wellington Water has sensors for monitoring the level of fluoride in the water at each of the four Wellington drinking water treatment plants. These readings are taken automatically. The daily averages per plant are calculated (using an arithmetic mean method) and provided monthly to Ministry of Health.

Listed below are the percentages and monthly average that the plants achieved for the month of Jan 2022.

Water Treatment Plant	Areas Supplied	Percentage met (portion of readings within Fluoride target)	Average Dose (ppm)	Comments
Te Marua	Upper Hutt, North and West Wellington	100%	0.77	
Waterloo	Hutt City, CBD, Eastern-Southern Wellington (excl. Petone, Stokes Valley)	100%	0.77	
Gear Island (taken at the supply main)	CBD, Eastern-Southern Wellington Only	94%	0.79	Fluoride levels at the Gear Island Water Treatment Plant were under the 95% mark this month we are trialling and testing the new fluoride analysers. Fluoride analysers read the fluoride levels in the drinking water.
Wainuiomata	Wainuiomata township, Eastern-Southern Wellington	91%	0.76	Fluoride levels at the Wainuiomata Water Treatment Plant were under the 95% mark this month as we had to turn off the water treatment plant due to wet weather events in January.

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Listed below are the percentages and monthly average that the plants achieved for the month of Feb 2022.

Water Treatment Plant	Areas Supplied	Percentage met (portion of readings within Fluoride target)	Average Dose (ppm)	Comments
Te Marua	Upper Hutt, North and West Wellington	97%	0.77	
Waterloo	Hutt City, CBD, Eastern-Southern Wellington (excl. Petone, Stokes Valley)	100%	0.78	
Gear Island (taken at the supply main)	CBD, Eastern-Southern Wellington Only	93%	0.75	Fluoride levels at the Gear Island Water Treatment Plant were under the 95% mark this month as we are trialling and testing the new fluoride analysers (which read the fluoride levels in the drinking water) and replacing a pump in the fluoride facility. This required us to turn off the facility from time to time throughout the month.
Wainuiomata	Wainuiomata township, Eastern-Southern Wellington	75%	0.70	Fluoride levels at the Wainuiomata Water Treatment Plant were under the 95% mark this month as we had to turn off the water treatment plant due to wet weather events in February.



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Listed below are the percentages and monthly average that the plants achieved for the month **March 2023**.

Water Treatment Plant	Areas Supplied	Percentage met (portion of readings within Fluoride target)	Average Dose (ppm)	Comments
Te Marua	Upper Hutt, North and West Wellington	100%	0.81	
Waterloo	Hutt City, CBD, Eastern-Southern Wellington (excl. Petone, Stokes Valley)	97%	0.76	
Gear Island (taken at the supply main)	CBD, Eastern-Southern Wellington Only	88%	0.80	Fluoride levels at the Gear Island Water Treatment Plant were under the 95% mark this month as we were trialling and testing new fluoride analysers (which read the fluoride levels in the drinking water).
Wainuiomata	Wainuiomata township, Eastern-Southern Wellington	81%	0.71	Fluoride levels at the Wainuiomata Water Treatment Plant were under the 95% mark this month due to planned maintenance work, which meant we had to turn off the facility while this work was underway.

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Listed below are the percentages and monthly average that the plants achieved for the month of April 2023.

Water Treatment Plant	Areas Supplied	Percentage met (portion of readings within Fluoride target)	Average Dose (ppm)	Comments
Te Marua	Upper Hutt, North and West Wellington	97%	0.77	
Waterloo	Hutt City, CBD, Eastern-Southern Wellington (excl. Petone, Stokes Valley)	94%	0.74	Fluoride levels at the Waterloo Water Treatment Plant were under the 95% mark this month due to some updates undertaken to the algorithm in the controls system at the plant.
Gear Island (taken at the supply main)	CBD, Eastern-Southern Wellington Only	80%	0.77	Fluoride levels at the Gear Island Water Treatment Plant were under the 95% mark this month we experienced some issues with the fluoride instruments in the first half of the month.
Wainuiomata	Wainuiomata township, Eastern-Southern Wellington	84%	0.71	Fluoride levels at the Wainuiomata Water Treatment Plant were under the 95% mark this month as we had some issues with the fluoride instruments and we had to commission a fluoride dosing pump.



