

OIR: 2425/1027

2 August 2024

[REDACTED]
[REDACTED]

Tēnā koe [REDACTED]

Request for Information under the Local Government Official Information and Meetings Act 1987 (the Act) (the LGOIMA)

Thank you for your email of **15 July 2024** requesting the following information about fluoride dosing in Kāpiti Coast.

I would like answers to the following questions about the fluoridation of your community water supplies.

1. *What parts of the region under the council's jurisdiction are fluoridated?*

Waikanae Water Treatment Plant is the only treatment Plant fluoridating. This supplies fluoridated water to Waikanae, Paraparaumu, and Raumati.

2. *What fluoride chemicals are used to fluoridate the water supply?*

Sodium Silico Fluoride.

3. *What level is water fluoridated at?*

We top up the natural levels from the river to. 0.8ppm.+ - 0.05

4. *How frequently is the level of fluoride in the water tested?*

We provide a weekly a sample of fluoride to an independent International Accreditation New Zealand (IANZ) accredited Laboratory for compliance.

Online monitoring is constantly tested by a wet sensor instrument that self-calibrates all Fluoride standards for calibrations and are supplied by an IANZ accredited Laboratory. Spectro analysers is a daily manual test using a IANZ approved DR6000 HACH analyser.

Please note that any information provided in response to your request may be published on the Council website, with your personal details removed.

5. Who performs the testing?

All tests performed at the Waikanae Treatment Plant Lab are tests that are carried out by Water Treatment Specialist. The external tests are completed by a IANZ accredited Laboratory.

6. Where is the wastewater discharged?

All wastewater from the Waikanae Treatment Plant is sent to the Paraparaumu Wastewater plant via the domestic wastewater reticulation.

7. Is there a Resource consent for the discharge of fluoridation chemicals?

No.

8. Can you provide the section of the consent that permits the fluoride discharge?

A consent is not required for Council to discharge the fluoride. On this basis, I must decline this part of your request on the basis that the document alleged to contain the information requested does not exist or, despite reasonable efforts to locate it, cannot be found as section 17(e) of the LGOIMA refers.

9. Is there a Resource Consent held by the council to add fluoridation chemicals to the community water supplies?

No

10. How much per annum is spent on fluoridation chemicals?

The cost of one kilo of sodium silica Fluoride is \$2.36+GST. The price will differ as the price of the chemicals change and how much water is treated at the plant per annum.

11. How much per annum is spent on implementing water fluoridation?

The dosing equipment and infrastructure have been in place for many decades, and we have needed minimal maintenance on the system. The cost to replace the entire system includes setting up a purpose made room. Analysers, dosing system and pumps cost \$205,500, and the ventilation system costs \$53,000 in total. To upgrade our fluoridation system, we will be spending \$258,500 which should last on the course of 50 years. This equates to approximately \$5,500 per year over this period.

12. How much per annum is spent on testing the levels of water fluoridation?

\$10,000 per annum including the IANZ accredited LAB.

By way of explanation for the following questions, under the Water Services (DWSNZ) Regulations 2022 we are not required to monitor or collect this information.

13. How much does it cost per Tonne of Hydrofluorosilicic Acid?

We do not purchase Hydrofluorosilicic acid and therefore I cannot provide you with this information. I must decline this part of your request on the basis that the document alleged to contain the information requested does not exist or, despite reasonable efforts to locate it, cannot be found as section 17(e) of the LGOIMA refers.

14. How many tonne of Hydrofluorosilicic Acid is added into the environment?

We do not monitor or calculate this information. On this basis, I must decline this part of your request on the basis that the document alleged to contain the information requested does not exist or, despite reasonable efforts to locate it, cannot be found as section 17(e) of the LGOIMA refers.

You may find further information regarding the fluoride dosing in our community including un-fluoridated taps within our community from the following link:

[Treatment - Kāpiti Coast District Council \(kapiticoast.govt.nz\)](https://www.kapiticoast.govt.nz/treatment)

Thank you for your enquiry, and I hope this has assisted you in obtaining the information you require.

Ngā mihi,



Sean Mallon

Group Manager Infrastructure and Asset Management
Kaiwhakahaere Rōpū Anga me te Whakahaere Rawa

OIR: 2425/1050

8 August 2024

[REDACTED]
[REDACTED]

Tēnā koe [REDACTED],

Request for Information under the Local Government Official Information and Meetings Act 1987 (the Act) (the LGOIMA)

Thank you for your email of **5 August 2024** requesting the following information:

**Thank you for your council's response to my questions.
A few of the questions have not been fully answered.**

In particular, the questions that refer to Hydrofluorosilicic acid. This was because a number of councils in New Zealand use Hydrofluorosilicic acid for water fluoridation.

The intention is to find out about the chemical used for fluoridation – in the case of Kapiti Coast- Sodium silica fluoride.

Sorry if the questions were not clear.

1. *Where does the wastewater from the Paraparaumu wastewater plant discharge?*

The treated wastewater discharges from the Paraparaumu Wastewater Treatment Plant to the Mazengarb stream, and then flows to the Waikanae River at Otaihanga.

2. *What is the background level of fluoride in the river?*

The natural levels of Fluoride in the Waikanae River is 0.08ppm.

3. *How many tonne of Sodium silica fluoride does the council use per year (approximately)?*

Kāpiti Coast District Council uses approximately 5.2 Tonne of Fluoride per annum. This doses 5,110,000,000 litres of water.

Please note that any information provided in response to your request may be published on the Council website, with your personal details removed.

You were previously provided a response to other questions on the same topic on 2 August 2024. The responses provided in this letter should be read in conjunction with the response of 2 August 2024.

Ngā mihi,



Sean Mallon

Group Manager Infrastructure and Asset Management
Kaiwhakahaere Rōpū Anga me te Whakahaere Rawa