

21 September 2022

**OIA IRO-297**

Email: [REDACTED] [.co.nz](#)

Kia ora [REDACTED]

**Official information request how many reports Wellington Water has commissioned Stantec (for sludge, aeration and clarifier issues), what is being investigated and how much this has and will cost.**

I write regarding your official information request dated Wednesday, 31 August 2022.

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

**Our response to the request can be found in the Appendix of this letter.**

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]  
**Manager Customer Experience, Customer Operations Group  
Wellington Water Ltd**

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**Our water, our future.**

## Appendix

**Question One: how many reports Wellington Water has commissioned Stantec (for sludge, aeration and clarifier issues) and how much this has cost?**

### Answer...

*Stantec has completed five investigations reports these were:*

- *Porirua WWTP Solids Investigation – Part 1 – Clarifier Investigations. This looked at the process capacity of the three clarifiers in wet weather events and the operating conditions of the aeration basin.*
- *Porirua WWTP Solids Investigation - Part 2 - Solids Stream Upgrade. This looked at the requirements for a solid handling upgrade to provide adequate capacity to operate the activated sludge process to the constraints of landfill disposal.*
- *Porirua WWTP Special sampling programme – This work collected a new set of wastewater quality samples from throughout the plant to populate an updated version of the Porirua Process model.*
- *Porirua WWTP Sludge settleability testing – This work carried out testing of the settleability of the activated sludge going to the clarifiers to populate an updated version of the Porirua Process model.*
- *Porirua WWTP Short Circuiting Investigations – This work investigated whether the likelihood of short circuiting with the recycled activated sludge stream was leading to an imbalance of sludge in each of the clarifiers.*

*Stantec's fees for this work have been \$137,791.58.*

**Question Two: What is being investigated and how much this will cost.**

### Answer...

*Further investigation work includes three further deliverables:*

- *Porirua WWTP Updated model build and calibration. This work includes updating the wastewater treatment plant model and calibrating it using the special sampling and sludge settleability data collected.*
- *Porirua WWTP WAS Trial - This trial is investigating the effectiveness of wasting activated sludge directly from the aeration basin to the gravity thickeners compared to the underflow from the Clarifiers, which is currently the case.*
- *Porirua WWTP Clarifier 1&2 Flow Split. This investigation and trial will look at controlling the valves to Clarifiers 1& 2 to match the sludge in each clarifier to the same depths.*

*The estimate for Stantec's work is \$50,227.05*