

**Before the Hearings Panel
At Kapiti Coast District Council (KCDC)**

**Statement of evidence of potable water availability on behalf of Kāpiti Coast
District Council (Water Network Planning)**

Date: 23rd October 2025

INTRODUCTION:

- 1 My full name is Kate Waterland. I am employed as a Water Network Planner.
- 2 I have prepared this statement of evidence on behalf of the Kāpiti Coast District Council (Council) in respect of technical related matters arising from the submissions and further submissions on the Private Plan Change 4 (PPC4) to the Kāpiti Coast District Plan (District Plan).
- 3 Specifically, this statement of evidence relates to the following matters:
 - a. Submission 15: “Although rainwater tanks are encouraged by KCDC, no rainwater harvesting requirement is embedded in the Structure Plan, exposing the district’s water supply to new peak demand. A comprehensive consideration of the entire block as delineated by Ratanui and Otaihanga Road becoming residential would allow for a future development to be taken into account”.
- 4 I am authorised to provide this evidence on behalf of the Council.

QUALIFICATIONS AND EXPERIENCE

- 5 I hold the qualifications of BSc Environmental Science, PGCert Environmental Management
- 6 I have worked for Stantec New Zealand for 3 years as a Water Network Planner.

Code of conduct

7 I have read the Code of Conduct for Expert Witnesses set out in the Environment Court's Practice Note 2023¹. I have complied with the Code of Conduct in preparing my evidence and will continue to comply with it while giving oral evidence before the Environment Court. My qualifications as an expert are set out above. Except where I state I rely on the evidence of another person, I confirm that the issues addressed in this statement of evidence are within my area of expertise, and I have not omitted to consider material facts known to me that might alter or detract from my expressed opinions.

SUMMARY

8 My name is Kate Waterland.

9 I have been asked by the Council to provide evidence in relation to Submission 15 – Potable water availability.

10 My statement of evidence addresses Submission 15 – “Although rainwater tanks are encouraged by KCDC, no rainwater-harvesting requirement is embedded in the Structure Plan, exposing the district’s water supply to new peak demand. A comprehensive consideration of the entire block as delineated by Ratanui and Otaihanga Road becoming residential would allow for a future development to be taken into account.”

INVOLVEMENT WITH THE PRIVATE PLAN CHANGE 4

11 I have been involved in the PPC4 since 10th September 2025

¹ <https://environmentcourt.govt.nz/assets/Practice-Note-2023-.pdf>

SCOPE OF EVIDENCE

- 12 My statement of evidence addresses the following matters:
- 12.1 The availability of potable water for a future new peak demand.
- 12.2 Submission 15 – “Although rainwater tanks are encouraged by KCDC, no rainwater-harvesting requirement is embedded in the Structure Plan, exposing the district’s water supply to new peak demand. A comprehensive consideration of the entire block as delineated by Ratanui and Otaihanga Road becoming residential would allow for a future development to be taken into account.”

EVALUATION

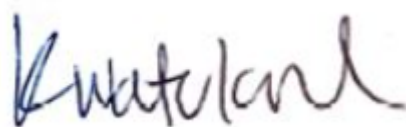
- 13 The KCDC water network supply model and master plan was recently updated in 2024, and the model and master plan showed there will be little to no adverse effects on the water supply network if there is further growth in this area.
- 14 The model (based on Sense Partners growth expectations adopted by Council) shows that the total demand in the Waikanae/Paraparaumu/Raumati network is expected to increase from 9,221m³/day in 2023 to 12,835m³/day in 2053. The 2053 figures include 8,439m³/day of demand in existing residential areas, with an additional 1,363m³/day supporting greenfield growth.
- 15 Storage assessments done as part of the master planning assessment (as referenced in Paragraph 13) show that there is significant storage capacity including additional storage for fire demand up to 2053. The two reservoirs supporting this part of the network (Otaihanga and Riwai) have an additional 4,000m³ of storage on top of what is required for peak day demand in 2053.

- 16 The pipe servicing the development and site in Otaihanga Road / Ratanui Road is a 375mm AC main supported from Paraparaumu along Ratanui Road and designed as a secondary resilience supply to the Paraparaumu network from Otaihanga Reservoir. The connection to Otaihanga Reservoir is not required in everyday use, and therefore there are no capacity constraints in this main now or in the future. It should be noted that there are existing properties connected to Council water supply mains on Ratanui Road which will also provide service to the site. These will not be affected by any future greenfield growth.
- 17 In October 2024, the proposed development was submitted to Stantec to undergo a water capacity assessment. This assessment found there would be no adverse effects on the pressure, head loss or velocity of existing mains. The required storage by the development is 166m³, which is well within the storage surplus in Otaihanga and Riwai.

CONCLUSION

- 18 In conclusion, there is evidence to suggest that the KCDC water network now and in the future will be able to supply water to any future residential growth on Ratanui Road. There is sufficient storage to supply future peak day, as well as a 4,000m³ surplus storage. The water capacity assessment done in October says that there will be no adverse effects on the water supply with the proposed development.

Date: 23-10-2025



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