Before the Hearings Panel
At Kapiti Coast District Council

Statement of evidence of Brian Robinson on behalf Kāpiti Coast District Council (Wastewater)

Date: 28 October 2025

INTRODUCTION:

1 My full name is Brian David Robinson. I am employed as Managing Director at HAL Consulting Ltd, specialising in 3-water network modelling and planning.

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 Wastewater network capacity.

4 I am authorised to provide this evidence on behalf of the Council.

QUALIFICATIONS AND EXPERIENCE

5 I hold the qualifications of Bachelor of Engineering (Hons)

6 I have worked for 24 years in the industry as water engineer, providing wastewater network modelling and planning advice to Kāpiti Coast District Plan dating back to 2006.

7 I am a member of Engineering New Zealand and Water NZ

Code of conduct

8 I have read the Code of Conduct for Expert Witnesses set out in the Environment Court's Practice Note 2023[1]. 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

[1] https://environmentcourt.govt.nz/assets/Practice-Note-2023-.pdf

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

9 My name is Brian David Robinson.

10 I have been asked by the Council to provide evidence in relation to the increased wastewater loads and the capacity of the wastewater network to handle the increased loads.

11 My statement of evidence addresses Submission 15, sub-point 15.2, specifically addressing a concern that the existing peak wastewater loads are approaching the capacity of the wastewater network.

INVOLVEMENT WITH THE PRIVATE PLAN CHANGE 4

12 I have been involved in the PPC4 since October 2025

SCOPE OF EVIDENCE

13 My statement of evidence addresses the following matters:

13.1 The proposed development of approximately 235 residential dwellings at 65 – 73 Ratanui Rd will result in a peak wet weather wastewater design flow of 8.5 l/s, based on 'KCDC Land Development Minimum Requirements Code (2022) and NZS 4404:2010 Section 5, Wastewater'.

13.2 The development is proposing to connect into an existing Council pipe (KWWP001467) in Ratanui Rd on the street frontage from the site.

13.3 Council's hydraulic model of the Paraparaumu wastewater network has been utilised to assess the impact of the expected flows from the development on the Council wastewater network.

13.4 For the pre-development scenario, minor surcharge is predicted in the downstream wastewater network in the adopted 5-year average recurrence interval design storm, primarily as a result of back-up from the pump operating levels at the downstream wastewater pump station (PSP00004).

13.5 Council have recently upgraded a section of pipe on Ratanui Rd which was previously identified as a potential constraint from 225mm diameter to 300mm diameter. For the post-development scenario with additional flows from this development and this pipe upgrade implemented, there is only very minor surcharge predicted, but the risk of overflows from the wastewater network is considered low.

13.6 In addition, the capacity of Council's Ratanui wastewater pump station (PSP00004) has been assessed to determine if it has sufficient capacity for the additional flows from the network as a result of the proposed rezoning and subsequent development. The capacity of the pump station is approximately 37 l/s (based on Council's records) compared to a modelled post development peak wet weather flow of 46 l/s. Whilst the capacity of the pump station may be exceeded in large wet weather events, the buffering provided by the storage at the pump station is sufficient to attenuate peak wet weather flows in a 5 year ARI storm, mitigating the risk of overflows to an acceptable level.

13.7 As flows from the Ratanui pump station are pumped directly to the Paraparaumu Wastewater Water Treatment plant

(WWTP), and there will be no increase in the pump station capacity, it can be concluded that there will no increase in peak wet weather flows arriving at the WWTP as a result of additional wastewater flows from the development. There will be a slight increase in hourly and daily wastewater volumes being pumped to the WWTP, but Council's Water and Wastewater Services Manager has confirmed that Council consider there is currently sufficient capacity at the WWTP for additional flows from this development, and planned upgrades will provide sufficient capacity for anticipated growth in the medium term.

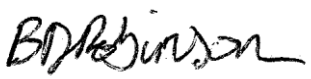
13.8 As such it is considered the existing Council wastewater network in Ratanui Rd has sufficient capacity for additional wastewater flows expected from the proposed development at 65 – 73 Ratanui Rd and the impact will be no more than minor.

RECOMMENDATIONS

14 It is considered the existing Council wastewater network in Ratanui Rd downstream of the proposed connection point for the development at 65 – 73 Ratanui Rd will have sufficient capacity to accept additional wastewater flows anticipated from the development without the need for network upgrades, and the impact on the wastewater network will be no more than minor.

Brian Robinson

Date: 28/10/2025



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