

## Fiona Morton Horizons

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**From:** Fiona Morton Horizons  
**Sent:** Tuesday, 30 January 2024 12:29 PM  
**To:** Manderson, Tabitha  
**Subject:** APP-2022203996.00 Rātana WWTP s92 Additional Information Request v02

Hi Tabitha,

The tech team have come back to me and there are a couple of outstanding points that will require clarification prior to the s92 being fulfilled. Hopefully these are relatively straight forward responses that can be dealt with easily by your team.

**Groundwater** – s92 fulfilled

**Air** – s92 fulfilled

**Earthworks** – s92 fulfilled (in so far as to construction matters)

**Land** – s92 further clarification required

1. Please briefly clarify how calculated the following columns in Appendix F have been calculated; Actual Irrigation Applied (mm/mth), Theoretical Accessible Soil Moisture (mm), and, Actual Accessible Soil Moisture (mm)
2. In relation to the response to question 9 of the s92 - please confirm that these are the discussions held between Seth Laurenson and the WSP technical advisors?

**Ecology** – s92 further clarification required

3. For the Dune Management Zone, a higher rate of irrigation and a controlled delivery is proposed, in order to avoid slumping of the dunes. Is there more detail that could be provided here?
  - what would the rate of irrigation be and what is meant by ‘controlled delivery’?

This is relevant because it is also proposed to monitor the effects of irrigation on the physical structure of the dunes. A better understanding of the proposed irrigation regime would help enable assessment as to whether monitoring is necessary and if so, how.
4. For the Western Dune Plain Mitigation Zone, it is proposed to irrigate in a way that maintains the wetlands at a prescribed level, which increases the permanently wet area of the wetlands. How has that extent been (or will be) determined?
5. What is the area (extent/amount) of planting proposed for the permanent wetlands to be maintained in the Western Dune Plain Mitigation Zone?
6. The application states that irrigation in the Southern Ecological Enhancement Zone will be ‘likely deficit only’. To clarify,
  - does this mean that non-deficit is a possibility?
  - If so, under what circumstances would that be?
7. Will the offset wetland adjacent to W14 require the input of the irrigated wastewater to be successfully established and maintained?
  - Page 3 of Appendix E, the EIA, says that the offset wetland will not receive direct irrigation. Is it expected to receive the wastewater as runoff from the surrounding irrigated dunes? Or otherwise, where will the water come from for it?
8. One of the mitigation recommendations for the Central Duneland is to maintain appropriate vegetation cover to ensure the integrity of the dunes (Table 11 of Appendix E, the EIA). Can this be elaborated on? It is

unclear if this means planting or weed control or that it means the irrigation will help to maintain vegetation cover.

9. One of the mitigation recommendations for the Southern Duneland is to maintain appropriate vegetation cover with a focus on developing native dominate species over time, to ensure the integrity of the dunes (Table 12 of Appendix 12 – EIA). Section 5.1.2 says that enrichment planting is proposed. Please elaborate on this aspect? Will there be planting and weed control across the Southern Duneland or does this refer to the 10m-wide native buffer that is proposed for the wetland 14 edge?

Under the Resource Management Act, you must, within 15 working days of the date of this letter, take one of the following options:

- a. provide the information; -OR-
- b. advise in writing that you agree to provide the information (at which point we would negotiate a reasonable time within which the information will be provided); -OR-
- c. advise in writing that you refuse to provide the information.

The time taken to respond to this request and provide the information will be excluded from the processing of your application as per section 88C of the Resource Management Act.

Please be aware that should you decide to refuse to provide the information or fail to respond within the agreed timeframe, we are required (under section 95C of the Resource Management Act) to publicly notify your application and to continue processing your application based on the information provided. Public notification can add significant costs and an additional lodgement fee would be required at that point.

If you have any questions in regards to the further information request please contact me on 027 4576 505

Thanks,

Fiona

**FIONA MORTON** | Senior Consultant Planner  
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