

Our reference: APP-20181247
Enquiries to: Emily Allan
Email: Emily.allan@es.govt.nz

2 May 2018

White Waters Ltd
893 Kakapo Road
RD 2
Te Anau 9672



Dear Hans,

Request for Further Information under Section 92(1) of the Resource Management Act 1991 - Application for a new FDE discharge permit and water permit for an existing dairy farm and a land use consent to construct effluent storage.

Thank you for lodging an application to discharge dairy shed effluent and calving barn effluent to land, to take and use groundwater and to construct new effluent storage at 893 Kakapo Road, RD2, Te Anau. I require further information before a determination can be made on your application.

Please provide^[1], in accordance with Section 92(1) of the Resource Management Act, the following information:

Effluent Storage

1. Confirmation that the calving barn effluent is piped to the effluent storage pond. This information is needed as the application states that there are no additional sources of effluent, other than the dairy shed, although on the site visit it was indicated that the calving barn effluent is piped to the pond.
 - a. If this is included in the effluent pond system, could you please provide a revised Massey Pond Calculation to include this effluent source.
2. Confirmation that domestic wastewater and greywater is not piped to the effluent storage pond. This is important as it was clear from the site visit that the separate septic system for the dwelling is not currently installed, and there was discussion at the site visit about the possibility of including wastewater, greywater or both in the effluent storage pond. Therefore, I need to be clear moving forward with the application what you are intending to include in the effluent storage pond.
 - a. If this is included in the effluent pond system, could you please an assessment of effects, including cultural effects, for this discharge to land and provide a revised Massey Pond Calculation to include this effluent source.
3. Confirmation of the volume of the proposed Kliptank that you are applying to install as

multiple figures were used in the application.

4. How will the irrigation volumes included in the Massey Pond Calculation be achieved using the proposed effluent irrigation system? This is important as I am concerned that the number of effluent loads proposed via slurry tanker is unrealistic and impractical to achieve. This information is needed to assess the uncertainty in the proposed effluent irrigation system.
5. A Massey Pond Calculation for 470 cows using the existing storage on site. This is important to show that the existing storage is sufficiently sized for the reduced cow numbers proposed as a mitigation measure in the application until the new effluent storage tank is installed.

Discharge to land

6. The technical specifications of the pump, located in the sump to the north of the dairy shed. This information is needed to determine that the pump is sufficiently sized to transfer the effluent from this sump to the effluent storage pond. This is important to determine that the proposed effluent transfer system is practical and will move the effluent from the sump uphill to the effluent storage pond to be discharged as outlined in the application.
7. In the application it is proposed that the slurry tanker will be depth tested. Please explain why it is appropriate to wait 3 months for this test to happen. I am concerned that there could be a 3 month period when the Applicant will not know what depth they are discharging effluent at. Please also outline any measures you will use in the interim, before this test has been completed, to ensure depth of effluent application does not exceed the proposed consent limit of 5mm depth.
8. Why is the discharge of effluent at 5mm depth appropriate in wet conditions as stated on page 4 of the application and does wet conditions mean when soil moisture is at field capacity?
9. A discussion of alternatives with regards to effluent irrigation methods, including low rate pods, travelling irrigator, and umbilical system. This is important to support the use of only a slurry tanker as proposed in the application.
10. Will the discharge to land have any effects on the freshwater springs which are located through the discharge area? What mitigation measures/management measures are proposed to mitigate these effects?

I require this information in order to determine the potential effects of the activities that have been applied for. The determination of the application is postponed until receipt of this information.

Under Section 92A of the RMA you have until 15 working days from the date of this request, which we calculate to be Monday 21 May 2018, to either provide the information, tell the Council, in writing, either that you agree to provide the information or that you refuse to provide the information.

If you refuse to provide the information requested, or if you do not respond to this request, the Council may decline the application on the grounds that it has inadequate information to determine the application.

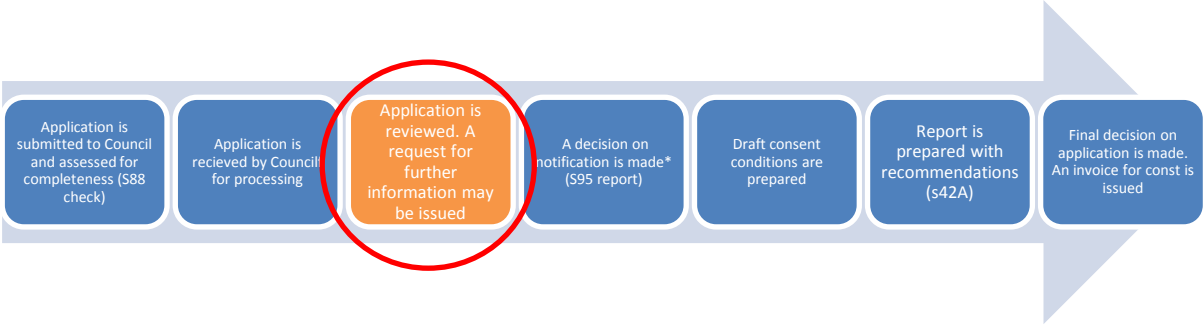
Please contact me if you have any questions regarding this request.

Yours sincerely



Emily Allan
Consents Officer

Your application is here in the consent process:



*If your application is assessed as needing to be limited or publically notified, you will be contacted regarding the process for these pathways.

CC: Dairy Green Ltd c/- Quinton Scandrett, PO Box 5003, Waikiwi, Invercargill 9843