

9 November 2021



Waimakariri District Council  
Attn To: Libica Hurley  
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Tēnā koe Libica

### **Request for Further Information**

**Response required by:** 30 November 2021

**Record Number/s:** CRC221240  
CRC221241  
CRC221242  
CRC221243  
CRC221244

**Applicant Name:** Waimakariri District Council

**Activity Description:** resubmission of CRC220120 - to take groundwater for dewatering  
resubmission of CRC220121 - to discharge construction phase stormwater and discharge dewatering water  
resubmission of CRC220122 - to discharge operational phase stormwater  
resubmission of CRC220128 - land use for earthworks  
installation of a structure in the bed of a river

As you are aware, I have been processing the above resource consent applications.

The information listed in Attachment 1 to this letter is hereby requested under Section 92 of the Resource Management Act 1991 (the RMA). As this information is required in order to fully understand the potential effects of the proposal, we are unable to further process the application until it has been supplied.

The options available to you under Section 92A(1) of the RMA are summarised below. A response is required by 30 November 2021. You must choose one of these options.

#### **A. Supply the requested information by 30 November 2021**

If the information can be easily collated and supplied by this date, please provide it in writing (via email is fine) to me.

**B. Agree in a written notice by 30 November 2021 to supply the information requested**

Sometimes technical information will take some time to collate or key contacts may not be immediately available. If you need more time to supply the information requested, please advise me in writing when you can provide the information. You can do this via email or letter.

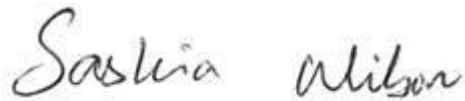
**C. Refuse in a written notice by 30 November 2021 to supply the requested information**

**If you choose not to provide the requested information by the above date, or any date subsequently agreed to by the Canterbury Regional Council, then your application must be publicly notified and may be declined.**

Public notification enables any member of the public, including potentially affected parties, to submit on your proposal. If submission/s are received on your application, then you can expect a hearing to be held. Information on [the notification process](#) and on the [likely costs](#) for notification and a hearing can be found on our website.

Please contact me via email ([saskia.wilson@ecan.govt.nz](mailto:saskia.wilson@ecan.govt.nz)) or phone (03 367 7452) if you have any questions.

Ngā mihi

A handwritten signature in black ink that reads "Saskia Wilson". The signature is written in a cursive, flowing style.

**Saskia Wilson**  
Senior Consents Planner

## **ATTACHMENT 1**

### **Information Requested under Section 92 of the Resource Management Act 1991**

**Application Number/s: CRC221240-CRC221244**

**Date: 9/11/2021**

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#### **1. Description of proposal**

Please clarify whether consent is required for the culvert mentioned in the application. If so, please provide further details.

Please provide further information about the use of water treatment chemicals (WTC) including but not limited to:

- a. How chemicals will be dosed;
- b. Proposed bench testing to determine which is the correct chemical to use; and
- c. The measures that will be undertaken to ensure correct dosing to avoid adverse effects.

This may be provided in the form of a chemical treatment plan.

#### **2. Assessment of effects on groundwater**

CRC Groundwater scientist has requested further information as summarised below:

- a. Please provide a more in-depth application of the calculations provided on Page 59 of the application. Does the calculation for contaminant load include rural land use as the catchment is made up of a range of land uses?
- b. Please undertake an aquifer test to determine the aquifer parameters that should be used in the well interference and stream depletion assessment. Once the test is complete, please provide an updated well interference and stream depletion assessment using the new aquifer parameters. Monitoring could be undertaken during the test to validate the calculations.
- c. Please provide an assessment of subsidence risk due to the silty sediments and high groundwater levels.
- d. Please provide a description of the monitoring that will be undertaken during the construction-phase to check the effects of runoff, subsidence, dewatering, stream depletion and groundwater quality.

- e. The diagram in Figure 1.3 indicates that there are no barriers to prevent groundwater flowing directly to the exit. If there are barriers (and not just a fence, Page 78) please provide further details on these.

### **3. Assessment of effects on water quality and ecology**

- a. Please provide an assessment of the potential effects of the operational phase stormwater discharges on water quality and ecology.
- b. Section 6.8 of the application describes the potential metal yields from new hardstand areas and the removal efficiencies of the treatment device. The application does not include an assessment of the potential changes for in-stream concentrations in the Mill Drain (and other downstream receiving environments). Please provide:
  - An assessment using the contaminant yields and removal efficiencies presented in Section 6.8 of the application to assess the potential changes in instream dissolved metal concentrations. This assessment should consider the potential effects of the removal efficiencies at the lower end of the expected ranges presented in the application.
  - An assessment undertaken by an ecologist which assesses the potential effects of any increases in contaminant concentrations based on the relative sensitivity of the impacted community.

Please note that point (3)(b) does not require a very detailed assessment. However, some level of semi-qualitative or quantitative assessment is required to support the following assumption in the application that *“The proposed first flush basin will treat runoff from the new residential development, allowing metal fragments as well as hydrocarbons and sediment to be captured in the basin soil layers via soakage. This will reduce the discharge of contaminants into the Mill Road Drain and Cust Main Drain. There are therefore not considered to be adverse effects on the ecosystem health of the stream from the earthworks activities or operation of the SMA, including any effects on plants or animals”*.

- c. Please explain why you have chosen to assess visual clarity change in the Mill Road Drain temporarily at a single site downstream of the discharge, rather than spatially (upstream-downstream).

### **4. Assessment against the Resource Management Environmental Standards for Freshwater Regulations 2020**

Please provide an assessment of the proposed weir against Regulations 72 and 73 of the NES-F 2020.

Please provide an assessment of the proposed culvert against Regulations 70 and 71 of the NES-F 2020.