

## Resource Consent Application Form 4

### To take and use surface water

This application is made under Section 88 of the Resource Management Act 1991.

### 1. Note to applicants

The purpose of this form is to provide applicants with guidance on information that is required for your application under the Resource Management Act 1991. This form acts as a guide only and Otago Regional Council reserves the right to request additional information.

Please ensure that you fully complete this form **as well as** a fully completed resource consent application form (form 1) in support of your application, **and** preparation of an **Assessment of Environmental Effects** in terms of the Fourth Schedule of the Resource Management Act 1991. Failure to do so may result in Council rejecting your application, requesting further information, or publicly notifying your application, leading to delays in the processing of your application and potential increases in processing costs.

Acceptance of your application for processing does not constitute a guarantee that water allocation is available.

### 2. General

#### 2.1 This application is for (please tick any applicable box):

A new surface water take

An application to replace a current Water Permit

*Water permit number:*

*Expiry date:*

An application to replace a Deemed Permit / Mining Privilege

*Deemed permit number:*

*Expiry date:*

**2.2 A lapse period of \_\_\_\_\_ is sought. Provide reasons in application attached.**

*Note: This is the timeframe within which the consent must be given effect to. The default timeframe is 5 years after the date of commencement of the consent unless stated otherwise.*

**2.3 A consent term of \_\_\_\_\_ is sought. Provide reasons in application attached.**

*Note: This is the timeframe from the date of commencement of the consent which the consent will expire.*

**2.4 Provide a map or coloured aerial photograph which outlines the following details (as applicable):**

The location of the existing and proposed point(s) of take and all associated infrastructure

The location of the water measuring device(s) or system(s)

The total property area boundary

The area(s) to be irrigated (if relevant) by water applied for under this application

The area of the community supply (if relevant)

Distances to any discharge activities

Other surface water bodies and wetlands, and distances from the point of take(s) to them

The coastline and the distance to it (if relevant)

The location of any dairy shed(s)

The location of any known recreational activities, other water takes, areas of significance to iwi and areas where food is obtained from the water body.

### **3. Volume and rates of take applied for**

#### **3.1 Quantity and rate of take**

*Note: 1,000 litres = 1 cubic metre*

- |                            |                        |
|----------------------------|------------------------|
| a. Maximum rate of take:   | litres per second      |
| b. Maximum monthly volume: | cubic metres per month |
| c. Maximum annual volume:  | cubic metres per year  |

*Note: Some deemed permits refer to hourly/weekly rates. Water permits are issued in litres per second, m<sup>3</sup> per month and m<sup>3</sup> per year. Should you wish to seek hourly or weekly rates **in addition** to those listed on the form, please provide this information including justification for any variances.*

### 3.2 Frequency of take

Note both the maximum and estimated average take.

	Average	Maximum
How many hours per day?		
How many days per week?		
How many weeks per month?		

3.2.1 In your application describe the timing of your take, including which months of the year you expect to take water in both an average year and a dry year, and what part of day the water take will generally occur.

3.2.2 In your application describe whether the take is from re-charge or is an augmented take, along with whether your activity provides re-charge back into the catchment.

### 3.3 Storage

3.3.1 Do you intend to store your water before subsequent use?

Yes

No

3.3.2 If yes, what/how much storage will be provided?

m<sup>3</sup>

3.3.3 In your application outline the type of storage facilities that are proposed.

*Note: You may need a building consent and/or additional resource consents for the construction of storage facilities. If the reservoir is in a water body or captures catchment runoff, you may require resource consents for damming and associated activities.*

## 4. Point(s) of take description

4.1 What are the GPS coordinates of the point(s) you propose to take water from?

*Note: if there are more than two points of take, please provide these details on a separate sheet.*

Point 1: NZTM 2000 E:

N:

Point 2: NZTM 2000 E:

N:

4.2 Please provide photographs of the proposed point(s) of take

**4.3 What is the name of the water body/ies from which the proposed take(s) is/are to occur?**

*Note: if the water body is unnamed please note this and note the water body it flows into.*

**4.4 If the take is from a river, stream, spring, drain or modified water body, in your application please provide a full description of the water course, including:**

The average channel width and depth at various locations including at the point of take and upstream and downstream of the point of take.

Average flow water velocity including source of flow data and any changes to flow velocity above and below the point of take.

Any flow gauging of the water body. A flow gauging report with photographs of the site and methodology to be attached.

Bed of the water body at the point of take and upstream and downstream of the point of take.

**Please also answer the following:**

**4.4.1 What type of water body will the take/s occur from?**

River

Stream

Modified water body

Spring

Drain

**4.4.2 Is the water course perennial (flows all year round) or ephemeral?**

Perennial

Ephemeral

**4.5 If the take is from a lake, pond or wetland please answer the following:**

Lake

Pond

Wetland

**4.5.1 If the take is from a wetland, is the wetland classed as a Regionally Significant Wetland identified in Schedule 9 of the Regional Plan: Water for Otago?**

Yes (list the name and provide an assessment of effects on the wetland)

No

4.5.2 Has the wetland been formed by artificial means?

Artificial

Natural

4.5.3 What is the surface area of the lake/pond/wetland?

4.5.4 How deep is the lake/pond/wetland?

4.5.5 Does the lake/pond/wetland have an outlet? i.e. does water flow out of it?

Yes

No

4.5.6 What is the main source of water that fills the lake/pond/wetland?

Groundwater

Springs

Runoff from surrounding land

Direct rainfall

Stream/river (list name)

Other (provide details)

## 5. Historical water use

### 5.1 Water abstracted over at least the last 5 years

*Note: if you are applying to replace an existing water permit for primary allocation, or an existing deemed permit or mining privilege you must provide evidence of the amount of water abstracted under that permit for at least the last five years.*

The following usage evidence is provided in support of this application:

Water metering records, attached to this application with historical water use summarised and assessed

Water metering records sent to Council electronically or recorded on file by Council with historical water use summarised and assessed

Detail on alternative water use information, attached to this application

### 5.2 In your application please analyse and assess the historical volumes and pattern of water use based on the water use evidence.

**5.3 Provide a summary of your analysis below:**

- a. Maximum rate of take: litres per second
- b. Maximum monthly volume: cubic metres per month
- c. Maximum annual volume: cubic metres per year

**5.4 For which years have these rates and volumes been recorded?**

**6. Water use and management**

**6.1 For what purpose(s) will the water be used?**

- Stock water and/or dairy shed use
- Irrigation (provide detail of irrigation use in your application attached)
- Community supply
- Commercial/industrial
- Other

**6.2 Will the water take be managed as part of an existing water allocation committee or water management group?**

Yes (name of committee of group):

No

**6.3 If yes, have you described how the allocation committee/management group operates in your application?**

Yes

No

**6.4 In your application describe any water rationing regime that operates in the catchment.**

**6.5 Will the take applied for be operated in accordance with the rationing regime you have described in question 6.4?**

Yes

No

**6.6 Will you or others “re-take” water from your take (i.e. via a water race)? If yes, please provide details of such re-takes in your application.**

Yes

No

## 7. Measuring and reporting

**7.1 In your application describe the type of water metering system that is installed or proposed to be installed.**

*Note: If currently installed provide proof of installation or note below if proof has already been provided to Council.*

**7.2 Provide information in your application demonstrating that the installation of the measuring device or system shall be undertaken in accordance with Council guidelines.**

*Note: If the installation is not able to meet these guidelines, you need to fill out and attach to this application form a Non-Standard Installation Form for Water Measuring Devices, available on our website or through the environmental services unit of the Council.*

Tick if completed

Tick if completing a Non-Standard Installation Form for Water Measuring Devices

**7.3 Is your water measuring device or system installed or proposed to be installed at the point(s) of take?**

*Note: The council considers the point of take to be within a 100 metre radius of the physical take point. If your answer is No, you need to apply for a Water Measuring Exemption (WEX) by filling out Application Form 24 – Application for Exemption to use a device or system near the location from which water is taken. A fully completed Form 24 should be lodged at the same time as this application to enable dual processing.*

Yes

No – complete an Application Form 24 – Application for Exemption

## 8. Location and Efficiency of Water Use

**8.1 Provide details of point/area of use (include legal description(s) and grid references.**

Yes (attached to application)

No (please outline reasons why this has not been provided)

**8.2 Provide a description of any existing works/infrastructure in place, including value, in your application.**

Yes (attached to application)

No (please outline reasons why this has not been provided)

**8.3 Provide a description of proposed works/infrastructure to give effect to consent sought, including value of investment, in your application.**

Yes (attached to application)

No (please outline reasons why this has not been provided)

**8.4 Provide an assessment of the proposed use against the Aqualinc report for reasonable water requirements<sup>1</sup>.**

Completed

Not Completed (provide details of alternative assessment and justification for that)

**8.5 If you propose to use water to irrigate land, please outline:**

- a. How many hectares of land will be irrigated?
- b. What is the soil type(s) of the land being irrigated?
- c. What will you be irrigating (i.e. crop, pasture etc in ha)?
- d. What is the target application rate (mm/day and mm/year)?

**8.6 What type of irrigation system is proposed to be used or is currently being used?**

K-line

Centre pivot

Travelling irrigator

Border-dyke/flood irrigation

Other – provide details

**8.7 Do you have any water distribution infrastructure in place (for example pipes, storage tanks, open races etc.)?**

Yes

No

If yes, in your application please describe the type of infrastructure in place and how you intend to ensure that it is maintained in good working order (e.g. do you intend to have a

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<sup>1</sup> "Guidelines for reasonable irrigation water requirements in the Otago Region", Aqualinc, 2017. Note that while this document provides a basis for assessing efficiency of use, other matters may be applicable.





8.9.2 How much water do you require for your dairy shed?

litres/head/day

8.9.3 If you are seeking more water for stock and/or dairy shed use than that recommended by the Council please state why this is in your application.

*Note: please provide the source of any data provided. Also include details of stock water transportation if relevant.*

**8.10 If you propose to use water for industrial use – in your application state what type of industry will be using the water and how will the water be used.**

**8.11 If you propose to use water for community/domestic supply – please answer the following:**

- a. For households, the number of households to be supplied:
- b. For camping grounds, the maximum number of visitors and staff per year:
- c. For schools, the maximum number of students and staff per year:
- d. For motel units, the number and expected occupancy:
- e. Other uses (please describe):

**8.12 For all uses, demonstrate in your application how have you calculated the amount of water you need?**

*Note: Please note that the Council will only grant volumes that have been assessed as efficient, and will assess the volumes sought for efficiency, taking into consideration the local climate, soils, and crop type.*

Tick if completed.

**8.13 In your application please describe any other sources of water available for the property. How much water is available and what it is used for.**

**8.14 In your application please describe any measures you are proposing to minimise wastage of water and maximise its efficient use.**

## 9. Assessment of Environmental Effects

*Note: Pursuant to Schedule 4 of the Resource Management Act, 1991, there are a number of matters that must be addressed by an assessment of environmental effects. These matters are listed in Form 1, with additional or specific matters relating to water permits are listed below.*

**9.4 Provide an independent ecological assessment/instream assessment of the water body. It is recommended that all takes not from the main stem of a catchment have this assessment carried out.**

Yes (attached to application)

No (please outline reasons why an independent ecological assessment has not been undertaken in your application)

**9.5 Outline any physical effect on the locality, including any landscape and visual effect.**

Yes (attached to application)

No (please outline reasons why this has not been provided)

**9.6 Outline any effect on ecosystems, including effects on plants or animals and any physical disturbance of habitats in the vicinity of the point of take.**

Yes (attached to application)

No (please outline reasons why this has not been provided)

**9.7 Does the taking of water from the water body cause it to dry up during summer or does the water body naturally dry up downstream of the take?**

Yes

No

If Yes, your application should explain approximately how far downstream from your this occurs and in approximately which month in a wet year, average year and dry year this happens.

*Note: Please discuss and attach any evidence to the application (e.g. photographs of water body downstream):*

**9.8 Assess effects on cultural values.**

Yes (attached to application)

No (please outline reasons why this has not been provided)

**9.8 Assess any effect on other water users or other human use values.**

Yes (attached to application)

No (please outline reasons why this has not been provided)

**9.9 Describe any positive effects from the take.**

Yes (attached to application)

No (please outline reasons why this has not been provided)

**9.10 Outline the mitigation you propose in your application. This should include a consideration of the following:**

A residual flow

Fish screening on water intakes

Measures for management where there are low flows

Flow sharing measures

Whether base flow is necessary to maintain the water race

Any other applicable measures

**9.10 Outline if your instantaneous abstraction rate (litres per second) will be reduced by increasing the length of time over which water is taken.**

Yes (attached to application)

No

**9.11 Provide a description of any possible alternative water sources or methods for undertaking the activity and why these alternatives have not been selected.**

Yes (attached to application)

No (please outline reasons why this has not been provided)

## **10. Consultation**

**10.1 Include evidence of any consultation undertaken for this application.**

**10.2 Identify persons affected by this application.**

### 10.3 Which persons approval have been provided to the application (attach copies of approvals)?

*Note: This **may** include (but not be limited to) consultation with adjoining landowners, other consent holders in the immediate area such as downstream permit holders, iwi (e.g. Te Rūnanga O Ngāi Tahu, Aukaha, Te Ao Marama Inc.), government departments/ministries (e.g. DOC), territorial authorities and recreational associations. To reduce costs and processing times, we recommended that written approval is obtained and submitted with the application for parties which may be affected. Such approval must be unconditional to avoid notification.*

## 11. Statutory Assessment

Please note that in accordance with Schedule 4 of the RMA, you are also be required to provide an assessment against the relevant provisions of the following documents (if relevant):

National Policy Statement for Freshwater Management.

National Policy Statement for Renewable Electricity Generation.

Resource Management (Measurement and Reporting of Water Takes) Regulations 2010.

National Environmental Standard for Sources of Human Drinking Water.

New Zealand Coastal Policy Statement.

Operative Regional Policy Statement 1998, Proposed Regional Policy Statement and Partially Operative Regional Policy Statement 2019.

Regional Plan: Water for Otago (including description of permitted activities and compliance with permitted activity standards).

Kai Tahu ki Otago Natural Resource Management Plan 2005.

Ngāi Tahu ki Murihiku Natural Resource and Environmental Iwi Management Plan 2008 (for takes from the south side of the Clutha River/Mata-Au)

Any other relevant plan, proposed plan and any other relevant regulations.