

Resource Consent

Application Form 9B

To drill over an aquifer



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

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www.orc.govt.nz

For office use Only

Consent No

Job No

Important notes for the applicant

Ensure that you complete this application form 9B **and** Resource Consent Application Form 1 in full

It is crucial that you provide as much relevant information as possible with your application and in an understandable way. This will help ORC staff process it efficiently, and at the minimum cost. If all the necessary information is not supplied in or with the application then it will be returned with a request for further information, or it will be publicly notified. This will lead to delays in processing and may increase processing costs.

This application form, when properly completed, should provide an adequate "Assessment of Effects on the Environment" (AEE) where the adverse effects of a proposal are not significant. However, this can only be determined on application.

Part A General

A.1 Use this form for (tick which applies)

- Dredging, digging or pile driving
- Constructing a piezometer/monitoring well
- Drilling for geological investigation
- Drilling for geotechnical investigation
- Drilling for groundwater investigation
- Other

A.2 Property owner's name and address on which the drill hole(s) will be constructed (if different from applicant details in Form 1)

Property owner's contact numbers on land on which the drill hole(s) will be constructed

Home phone Work phone

Email Mobile

Preferred method of contact (please circle) Home Work Email Mobile

A.3 Property occupier's name and address of land on which the drill hole(s) will be constructed (if different from applicant and owner details)

Property occupier's contact numbers of land on which the drill hole(s) will be constructed

Home phone Work phone

Email Mobile

Preferred method of contact (please circle) Home Work Email Mobile

Part A General (continued)

A.4 Name and address of driller or person carrying out the works

Driller or person carrying out the works contact numbers

Home phone	<input type="text"/>	Work phone	<input type="text"/>
Email	<input type="text"/>	Mobile	<input type="text"/>

Preferred method of contact (*please circle*) Home Work Email Mobile

Part B Location of the proposed drill hole(s)

B.1 Full legal description of site upon which the drilling is to occur (from the rates notice)

B.2 Please provide a Certificate of Title no older than three months at the time of lodging the application. If one is not supplied with your application the council may obtain one at your expense.

B.3 Map location reference

Please provide a grid reference or GPS location in NZTM (New Zealand Transverse Mercator projection) 2000 format of each drill hole. *Conversions from other reference systems such as NZMS 260 can be found on www.LINZ.govt.nz*

E	<input type="text"/>	N	<input type="text"/>
E	<input type="text"/>	N	<input type="text"/>
E	<input type="text"/>	N	<input type="text"/>
E	<input type="text"/>	N	<input type="text"/>
E	<input type="text"/>	N	<input type="text"/>

NOTE This should be two seven digit numbers for example E1304417, N5015351 and can be obtained from your driller or a GPS.

B.4 Distance to property boundaries

What is the minimum distance from the drilling site(s) to the property boundary

B.5 What aquifer do you propose to drill over?

If you are unsure refer to Maps C1-C17 in the Regional Plan Water for Otago and maps contained in Plan Change 4A (they are available for viewing on www.orc.govt.nz, or at our offices). Information on the location of the 'others' list can be obtained from council's Resource Science unit.

- | | | |
|---|--|---|
| <input type="checkbox"/> Cardrona Alluvial Ribbon | <input type="checkbox"/> Lower Taieri | <input type="checkbox"/> Wakatipu Basin |
| <input type="checkbox"/> Cromwell Terrace | <input type="checkbox"/> Lower Waitaki Plains | <input type="checkbox"/> Unknown |
| <input type="checkbox"/> Dunstan Flats | <input type="checkbox"/> Maniototo Tertiary | Others |
| <input type="checkbox"/> Earnsclough Terrace | <input type="checkbox"/> Manuherikia Alluvium | <input type="checkbox"/> Bendigo |
| <input type="checkbox"/> Ettrick Basin | <input type="checkbox"/> Manuherikia Claybound | <input type="checkbox"/> Clydevale |
| <input type="checkbox"/> Hawea Basin | <input type="checkbox"/> North Otago Volcanics | <input type="checkbox"/> Glenorchy |
| <input type="checkbox"/> Inch Clutha River/Mata-Au Gravel | <input type="checkbox"/> Roxburgh Basin | <input type="checkbox"/> Strath Taieri |
| <input type="checkbox"/> Kakanui-Kauru Alluvium | <input type="checkbox"/> Papakaio | <input type="checkbox"/> Tarras |
| <input type="checkbox"/> Kuriwao Basin | <input type="checkbox"/> Pomahaka Basin | <input type="checkbox"/> Wairuna |
| <input type="checkbox"/> Lindis Alluvial Ribbon | <input type="checkbox"/> Shag Alluvium | |
| <input type="checkbox"/> Lowburn Alluvial Ribbon | <input type="checkbox"/> Wanaka Basin Cardrona Gravels | |

Part B Location of the proposed drill hole(s) (continued)

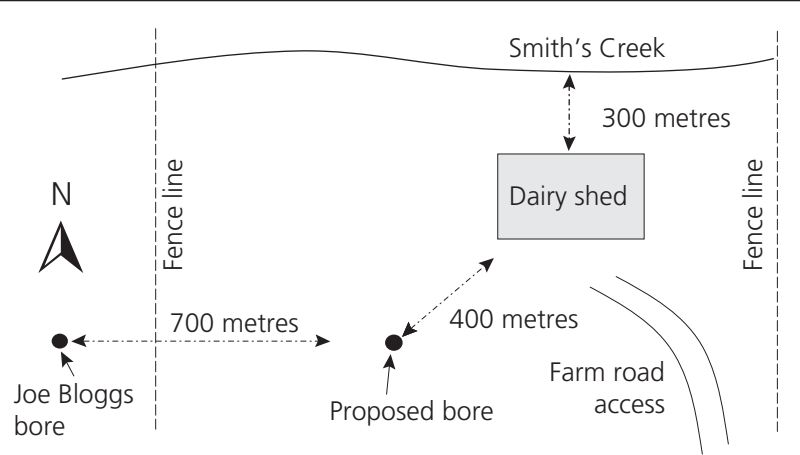
B.6 Detailed site plan

A detailed site plan is required. Use the space on this form to complete a site plan showing the location of your proposed drill holes in relation to (as relevant) houses, driveways, streets, intersections, springs, waterways, and property boundaries. If known please also show bores, septic tanks, and waste disposal sites. If you are submitting your own hand drawn plan, an example of what would be considered an acceptable drawing is shown below.

Example of residential type



Example of farm type



Proposed drill hole location



Part C Details of proposed activity

C.1 Number of bores associated with this proposed drilling?

C.2 Drill hole details.

If more than four holes are to be drilled, provide the following details for the additional hole on a separate sheet.

Hole 1

Hole diameter (mm)

Estimated hole depth (m)

Estimated casing depth (m)

Casing material (if PVC, state grade)

Aquifer

Drilling method

Construction method

Backfill material

Hole 2

Hole diameter (mm)

Estimated hole depth (m)

Estimated casing depth (m)

Casing material (if PVC, state grade)

Aquifer

Drilling method

Construction method

Backfill material

Hole 3

Hole diameter (mm)

Estimated hole depth (m)

Estimated casing depth (m)

Casing material (if PVC, state grade)

Aquifer

Drilling method

Construction method

Backfill material

Hole 4

Hole diameter (mm)

Estimated holed depth (m)

Estimated casing depth (m)

Casing material (if PVC, state grade)

Aquifer

Drilling method

Construction method

Backfill material

Part D Affected parties and written approvals

If you are not the owner of the land upon which the drilling is to occur, written approval is required from all parties who own the land.

If written approval is required, use the written approval forms contained within Form 1. It is recommended that you supply these at the time of lodging your application to reduce delays in consent processing and to minimise costs.

Part E Assessment of actual and potential effects

Tick appropriate boxes. You can also ask your driller if you are unsure

- E.1** Is the proposed activity within 50 metres of a known contaminated site? Yes No
- E.2** Is the proposed activity within 100 metres of any existing bores on neighbouring properties? Yes No
- E.3** Is the activity within 50 metres of any existing septic tank/outfall or long drop toilet? Yes No
- E.4** Are there any surface water bodies within 100 metres of the proposed drill hole(s)? Yes No
- E.5** Are the proposed drill hole(s) likely to penetrate either the Papakaio or Lower Taieri Aquifers? Yes No
- E.6** Is the proposed activity located in an historical place, recorded archaeological site, or in an area of cultural or spiritual significance to Tangata Whenua? Yes No

E.7 Provide details of neighbouring bores or wells identified in E.2 above

Owner's name	Bore number	Distance (m)	Depth of bore (m)
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

E.8 Provide details of septic tank/outfall or long drop toilets identified in E.3 above

Owner's name	Distance (m)
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>

E.9 Distance to surface water bodies within 100 metres of the proposed bore identified in E.4 above

Surface Water Body	Distance (m)
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>

E.10 Distance to the coast if less than 50 metres

PART F Statutory considerations

The relevant policies of the Otago Regional Policy Statement and the Regional Plan Water for Otago for the construction and alteration of bores within the region are listed below. The Otago Regional Council must assess your application against these policies.

Regional Policy Statement

- Policy 5.5.5* To minimise the adverse effects of landuse activities on the quality and quantity of Otago's water resource through promoting and encouraging and
- Creation, retention and where practicable enhancement of riparian margins; and
 - Maintaining and where practicable enhancing, vegetation cover, upland bogs and wetlands to safeguard land and water values; and
 - Avoiding, remedying or mitigating the degradation of groundwater and surface water resources caused by the introduction of contaminants in the form of chemicals, nutrients and sediments resulting from landuse activities.
- Policy 6.4.2* To maintain and enhance the quality of Otago's water resources in order to meet the present and reasonably foreseeable needs of Otago's communities.

PART G Statutory considerations (continued)

G.1 Is the proposed activity consistent with part Policy (c) of 5.5.5 and Policy 6.4.2?

Yes No

Explanation if no

Regional Plan Water for Otago

Policy 9.4.14 To require appropriate siting, construction and operation of new groundwater bores, to prevent (a) Contaminants from entering an aquifer; and (b) The contamination of groundwater in any aquifer from the groundwater in another aquifer; and to promote such management for existing bores.

Policy 6.4.10C To require appropriate siting, construction and operation of new groundwater bores, to maintain artesian pressure in confined conditions and to promote such management for existing bores.

Policy 6.4.10D To require that new bores in the Papakaio and Lower Taieri Aquifers are constructed of materials suitable to resist corrosion and in a manner that enables their complete shutdown.

Policy 6.4.10E Unless provision has been made to permanently decommission and seal the bore, to require the structural condition and control mechanisms of all existing bores in the Papakaio and Lower Taieri Aquifers to be certified as being secure against uncontrolled artesian discharge at no more than five year intervals.

In situations where more than one hole is drilled but only one bore is constructed, this policy also applies

Policy 9.4.17 To require new drill holes to be appropriately sealed to prevent contaminants entering any aquifer.

G.2 Is the proposed activity consistent with Policies 9.4.14, 6.4.10C, 6.4.10D, 6.4.10E and where relevant 9.4.17?

Yes No

Explanation if no

PART H Deposit

A deposit is required upon lodgement of your application. Refer to the fees list on Form 1. This deposit is not the final or total cost of your application. Further charges are incurred in accordance with council's scale of fees and charges (for more information www.orc.govt.nz).

Deposit enclosed Yes No

PART I Checklist

To keep consent processing costs to a minimum it is strongly recommended that all items listed are attached **before** you lodge your application to the Otago Regional Council.

- | | |
|--|--|
| <input type="checkbox"/> Completed Form 1 | <input type="checkbox"/> Sign and date Form 1 |
| <input type="checkbox"/> Completed all parts of this form | and |
| <input type="checkbox"/> Written approvals completed or attached | <input type="checkbox"/> Attached Certificate of Title less than three months old |
| <input type="checkbox"/> Include a site plan | or |
| <input type="checkbox"/> Include the deposit | <input type="checkbox"/> Instruct council to obtain a Certificate of Title at your expense |