

Resource Consent Application Form 9B

Land Use Consent - to drill on a contaminated site



IMPORTANT NOTES TO THE APPLICANT

You must complete this form **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 entered on the form or supplied with the application then Otago Regional Council may return your application, request further information or publicly notify your application. This will lead to delays in the processing of your application 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.

GENERAL

1. Which of the following activities are you seeking to undertake? (please tick)

- Drilling to investigate whether a site is contaminated
- Drilling on a site that is known to be contaminated

2. **Legal Description of the site where the drilling will occur. Please also attach a Certificate of Title less than 3 months old.**

3. **Owner of the site where the drilling will occur (if different from applicant on Form 1)**

Full name(s) of owner(s) _____

Address _____

Phone number _____

Email address _____

4. **Name and address of driller of person undertaking the works**

Full name(s) _____

Company (if applicable) _____

Phone number _____

Email address _____

5. How many drill holes are proposed? _____

6. Please provide an accurate GPS location in NZTM2000 (New Zealand Transverse Mercator) format for each drill hole. Note: this should be two seven digit numbers e.g. E1415593 N4923363 and can be obtained from your driller or using a GPS.

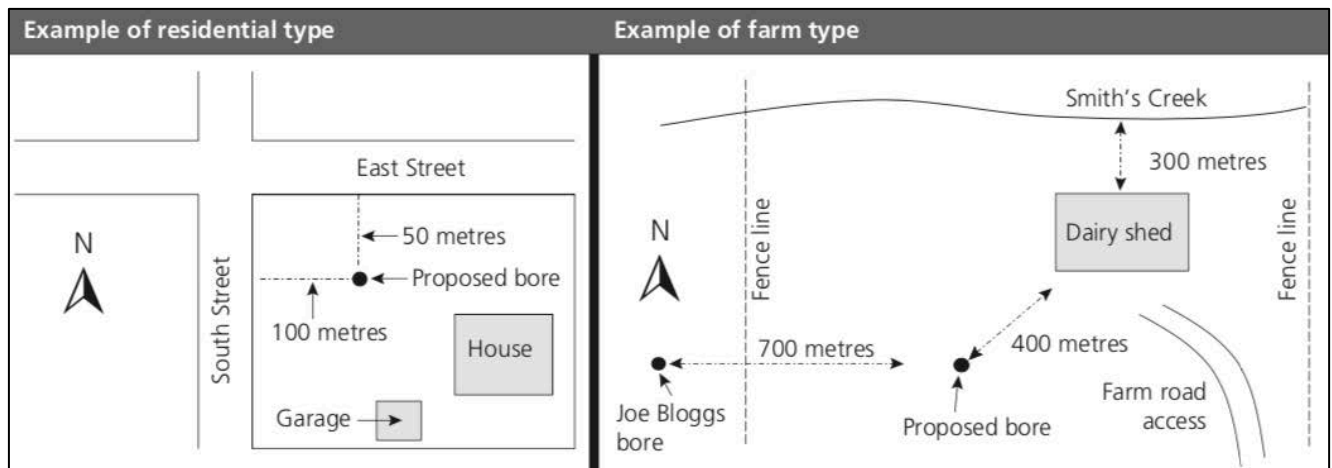
E _____ N _____

E _____ N _____

E _____ N _____

E _____ N _____

7. Please attach a site plan. This must show the location of the proposed drill sites in relation to nearby houses, driveways, streets, intersections, springs, waterways, and property boundaries. If possible, please also show bores, septic tanks, and waste disposal sites. Two examples of acceptable drawings are shown below.



8. Please provide drill hole details. If more than four drill holes are proposed, provide the following details on a separate sheet.

Hole 1		Hole 2	
Hole Diameter (mm):		Hole Diameter (mm):	
Estimated Hole Depth (m):		Estimated Hole Depth (m):	
Estimated Casing Depth (m):		Estimated Casing Depth (m):	
Casing Material (if PVC, state grade):		Casing Material (if PVC, state grade):	
Aquifer:		Aquifer:	
Method of Drilling:		Method of Drilling:	
Method of Construction:		Method of Construction:	
Backfill material:		Backfill material:	

Hole 3		Hole 4	
Hole Diameter (mm):		Hole Diameter (mm):	
Estimated Hole Depth (m):		Estimated Hole Depth (m):	
Estimated Casing Depth (m):		Estimated Casing Depth (m):	
Casing Material (if PVC, state grade):		Casing Material (if PVC, state grade):	
Aquifer:		Aquifer:	
Method of Drilling:		Method of Drilling:	
Method of Construction:		Method of Construction:	
Backfill material:		Backfill material:	

9. Is the site on which the drilling is to occur: (please tick)

- Potentially contaminated Known to be contaminated

10. For POTENTIALLY contaminated sites, please explain why it is thought to be contaminated and why is the testing taking place.

11. For KNOWN contaminated sites, please attach any previous testing results or information on the site contamination to provide a good background history e.g. Detailed Site Investigation Report.

12. Describe any soil and groundwater analyses proposed and list the contaminants being tested for. Also state which environmental guidelines are being used for comparison.

13. Describe the decontamination measures that will be undertaken between drilling each hole.

14. Explain how any contaminated water generated during site works will be contained and disposed of.

15. Describe any confining layers beneath the site that contain potentially contaminated groundwater and what measures are proposed to avoid penetration of this layer.

16. Will the potentially contaminated soil be stockpiled? What measures will be undertaken to avoid adverse effects of stockpiling contaminated soils?

17. How will contaminated soils be disposed of?

18. Will the site disturbance result in any discharge to air, of dust or odour or volatile substances? An air discharge permit may be required, consult the Otago Regional Council for more information.

19. Briefly describe what health and safety protection measures are proposed during the works, particularly in regard to ensuring public safety.

ASSESSMENT OF ENVIRONMENTAL EFFECTS

20. Please tick appropriate boxes:

YES NO

- Is the proposed drilling within 100 metres of any existing bores on neighbouring properties?
- Is the proposed drilling within 50 metres of any existing septic tank / outfall or long drop toilet?
- Are there any surface water bodies within 100 metres of the proposed drilling?
- Is the proposed drilling over either the Papakaio or Lower Taieri Aquifer?
- Is the proposed drilling located in a historical place, recorded archaeological site, or in an area of cultural or spiritual significance to Tangata Whenua?

Details of any neighbouring bores:

Owner's Name	Bore number	Distance (m)	Depth of bore (m)

Details of any nearby septic tank / outfall or long drop toilets:

Owner's Name	Distance (m)

Details of any nearby surface water bodies:

Surface Water Body	Distance (m)

Distance to the coast if less than 50 metres: _____

21. What is the minimum distance from the drill site(s) to the property boundaries?

We advise that you consult with your neighbour if the drill site(s) are near your property boundary.

STATUTORY ASSESSMENT

22. The following policies from the Regional Plan: Water for Otago may be relevant to your application.

- *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 5 year intervals.*

In situations where more than one hole is drilled, this policy also applies:

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

Is your 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

If No, please explain.

23. The following policies from the Regional Plan: Waste for Otago may be relevant to your application.

- *Policy 5.4.2 Requires that contaminated sites in Otago are located and investigated.*
- *Policy 5.4.3 To contain contaminated sites and rehabilitate them to the extent that it is practicable having regard to the use to which the land is to be put.*

Is your proposed activity consistent with Policies 5.4.2 and 5.4.3?

Yes No

If No, please explain.

AFFECTED PARTIES AND WRITTEN APPROVALS

If you are not the owner of the land upon which the drilling is proposed, written approval is required from all parties who own the land as shown on the Certificate of Title. This is to demonstrate that agreement has or is being attained where the activity is located on property that you do not own.

Supply written approvals at the time of lodging your application to reduce delays in consent processing and to keep costs to a minimum. You can use the written approval form available on the ORC website.

CHECKLIST

In order to submit a complete application, have you remembered to?

- Fully completed this application form and Form 1?
- Attached an Assessment of Environmental Effects? (if required)
- Attached maps and drawings as appropriate?
- Attached a Certificate of Title less than 3 months old?
- Attached any written approvals?
- Paid your deposit or attached a cheque?

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