

APPLICATION FOR RESOURCE CONSENT

FORM B1 - Assessment of Effects on the Environment (AEE)

To Make, Alter or Install a Bore



Auckland
Regional Council
TE RAUHĪTANGA TAIAO

To: General Manager
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(calls outside the Auckland area)

Please read the notes below and the application forms fully before preparing your application and any supporting information. Information brochures are also available from the Auckland Regional Council (ARC) and at www.arc.govt.nz. It is recommended that you discuss your proposal with Council staff before preparing your application.

Answer all questions fully and complete the appropriate checklists.

Incomplete applications will not be accepted.

Filling out the forms

It is strongly recommended that you engage a suitably qualified consultant or expert to help you prepare your application. If it is not prepared by someone with appropriate experience, it may not contain all the necessary information to enable the ARC to properly consider the effects on the environment. This may result in the rejection of the application or requests for further information being made.

Please Note: All information provided in your application is official information and is available to the public. Access to official information held by the ARC is administered in accordance with the Local Government Official Information and Meetings Act (1987) and the Privacy Act (1993).

Submitting the completed application

Application form(s) together with any additional supporting information e.g. specialist consultant reports, calculations etc and the correct deposit/fee to the address shown on the front of this form. The application can also be provided in electronic or CD form, including specialist reports (AEE) but a hard copy will still need to be provided. Your application will not be accepted for processing until all information and the correct deposit is received. All cheques should be made payable to the Auckland Regional Council.

For Office Use Only

FORM – WBS: _____

Consent No: _____

Other Related Consent Nos: _____

Customer No: _____

Fee / Deposit Paid: \$ _____

File No: _____

Site Address: _____

Applicant: _____

More information can be found in the ARC's fact sheets

General ARC Planning Fact Sheets	Making a Submission on a Resource Consent Application
General ARC Planning Fact Sheets	Pre-hearing Meetings and Hearings
General ARC Planning Fact Sheets	Applying for a Resource Consent
General ARC Planning Fact Sheets	Consultation
General ARC Planning Fact Sheets	Pre lodgement meetings
General ARC Planning Fact Sheets	Now you have a resource consent
General ARC Planning Fact Sheets	Resource Consent Timeframes

How do I fill in this form?

The following questions will help you to provide all the information needed for an Assessment of Environmental Effects (AEE) of your proposed activity. It may be appropriate in some cases to address matters in addition to those identified in the form.

The information you supply should have the level of detail according to the scale and significance of effects that the activity may have on the environment and should be relevant to your proposal.

For ease of checking it is preferable that the issues are addressed in the same sequence as outlined in the checklist. Where relevant, place a tick ✓ in the box if you have provided the information and give a reference to the section of the AEE report it is in.

Drilling bores or holes – why is a resource consent required?

Section nine of the Resource Management Act 1991 (RMA) provides for the regulation of activities that disturb land, such as drilling bores or holes.

The activity may be subject to rules in both the Auckland Transitional Regional Plan 1991 (TRP) and the Proposed Auckland Regional Plan: Air, Land and Water (PARP:ALW). As all the relevant provisions of the PARP:ALW are not yet operative, the status of the activity is determined as the more restrictive of the relevant rules of both plans.

Definition of a bore

Any hole that has been constructed to provide access to groundwater (for example, for monitoring of ground or groundwater conditions, abstraction of groundwater or the discharge of stormwater). This definition includes piezometers but excludes piezometers that are constructed into manmade structures such as dams and the refuse in landfills.

Drilling is carried out for geotechnical, geological and hydrogeological investigations, monitoring, installing underground services, installing water bores and for a wide variety of other purposes.

Groundwater quality can be degraded by drilling, constructing and sealing new bores and by poor operation, maintenance and/or abandonment of existing bores. This can occur through introducing contaminated waters, cross-aquifer contamination by linking aquifers of different water quality and linking surface water and groundwater of different quality.

Degrading groundwater quality can indirectly affect the quantity of water available, while poorly installed bores can also dewater aquifers.

Chapter six, Water Allocation of the PARP:ALW (June 2005) deals with issues associated with water quality and allocation, that is:

- the taking and use, of fresh water and geothermal water;
- the damming of surface water;
- the diversion of groundwater; and
- the quantity, level and flow of water in any water body.

Drilling is also addressed in chapter six because of its association with the taking of groundwater. Diversion of stormwater is addressed in chapter five and diversion of rivers and streams in chapter seven of the Plan.

If the bore is intended for taking water, then it is important to know whether the bore is in a High Use Aquifer Management Area (HUAMA) which are identified on the PARP:ALW October 2004 Map Series two (sheets 1-19). They are described in section 3.5 of the PARP:ALW.

The proposed bore construction and final drillers bore log will also assist in determining if your bore abstracts water from a high use aquifer. Talk to ARC staff if you are uncertain.

More information concerning drilling bores can be found in the Water Fact sheet 3, "Groundwater and Bores".

The PARP: ALW status and rule for any activity of drilling a bore or a hole is summarised in the following table. Most rules are subject to standards and terms given in the PARP: ALW. (A more complete list of provisions should be obtained from the Plan).

Bore Drilling Activity Table

Activity	Bore constructed to provide access to groundwater in aquifer	In Wetlands Management Area	Disturb Archaeological Site or Waahi Tapu area	Notification required on a prescribed form	Accessing more than one aquifer	Status of the Activity	PARP: ALW Rule
Hole decommissioned within three months	No	No	No	No	No	Permitted	6.5.18
Stormwater disposal	No	No	No	No	No	Permitted	6.5.19
Operating, using and maintaining lawfully established bore	Yes	-	-	-	-	Permitted	6.5.20
Alteration or replacement of lawfully established bore to restore existing lawful water take	Yes	-	No	Yes	No	Permitted	6.5.21
Decommissioning of a hole or bore	Yes	-	-	Yes	-	Permitted	6.5.22
Drilling and construction of a bore for groundwater level or quality monitoring purposes	No	No	No	Yes	Yes	Permitted	6.5.H
Drilling a new bore	Yes	No	No	-	Yes	Controlled	6.5.23
Drilling a hole not decommissioned within 3 months.	No	No	No	-	Yes	Controlled	6.5.I
Drilling a new bore in wetland	Yes	Yes	-	-	-	Discretionary	6.5.25
Any drilling activity that does not comply with above rules	-	-	-	-	-	Discretionary	6.5.26

Contact Details

Pursuant to section 88 of the RMA, the undersigned hereby applies for resource consent (s) /permit(s) in accordance with the details and information set out below:

Explanation

The ARC will only issue a resource consent to a legally constituted organisation or named individuals. This ensures that the council knows who holds resource consent and who it should take action against if the requirements of that consent are not met. A legally constituted organisation includes a limited company, an incorporated group or society, or a trust which is registered under the Charitable Trusts Act or the Incorporated Societies Act. Otherwise the application must be made by named individuals. In the case of an unregistered trust, such as a family trust, all the individual trustees must be named as applicants, and the application form signed by them or on their behalf by an elected agent or the nominated contact person. Unless indicated differently below, all correspondence and communication will be directed to the applicant.

1.0 Applicant

Full Name of Applicant(s): *(e.g. Albert William Jones and Mary Anne Jones)*

For Companies, Trusts and other Organisations: *(give commonly used name)*

Postal Address:

Postal Code: _____

Physical Street Address of Applicant: *(if different from above)*

Postal Code: _____

Phone Numbers

Business: _____

Mobile: _____

Fax: _____

Email address:

Name of Contact Person:

2.0 Lead Consultant / Drilling contractor / Project Manager Details (if applicable)

Explanation

If you are using a lead consultant, agent or project manager for the application, fill in their details below otherwise leave blank. If you are using other consultants for the specific activities, put their details in the relevant form B.

Name of Lead Consultant / Drilling contractor / Project Manager:

Postal Address:

_____ **Postal Code:** _____

Street Address: (if different from above)

_____ **Postal Code:** _____

Phone Numbers

Business: _____
Mobile: _____
Fax: _____

Email address:

Name of Contact Person:

Address for Service – Correspondence

The address for service may be either the applicant or the drilling contractor. Any written or verbal communication will be directed to this contact person.

Note: All invoices relating to this application will be sent to the applicant.

All correspondence relating to the application should be sent to:

Applicant Consultant Drilling contractor
Other (provide details)

Application Details

Explanation

- Give the address of the property where the activity is to take place e.g. where the water is to be used, where the discharge originates from, where the earthworks are to be done etc.
- You may be asked for other property information in form B e.g. the location of the water take site.
- Describe the location in a manner that allows it to be readily identified e.g. street address, legal description, harbour, bay, stream names and proximity, aerial photos, valuation reference.
- The Locality Plan should be to a suitable scale or an aerial photo and clearly show the site and environs, with a scale bar and page size reference.
- The Site Plan should show all property boundaries, roads, waterbodies (including streams, wetlands, drains), vegetation, other significant landmarks, be to an appropriate scale which allows it to be readily identified and show a scale and north point. It must also show the author/designer and be named and dated (refer checklist).

3.0 Site

Address of where proposed activity is to take place:

Legal description:

Lot _____ DP _____ CT _____

Other _____

(A **Certificate of Title** less than three months old must be attached)

Give map reference _____ mE

_____ mN

Use New Zealand Transverse Mercator (NZTM) e.g. 1756730mE 5919740mN.

Use a geographic positions system (GPS) device if possible to obtain a map reference accurate to 10m. The northing follows the easting. If you do not have a map reference, ensure that the location is marked to an accuracy of 10m on your location plan.

Other relevant location Information if appropriate:

(e.g. Valuation reference, proximity to landmarks)

Total property area: _____ (hectares/m²)

Attach a Locality Plan and Site Plan (A3 / A4)

(**Note: Details of information required to be provided on the Site Plan are included as a requirement in page 8 of this application**)

Tick the appropriate box:

The applicant is the: Owner Occupier Lessee Prospective Purchaser
 The Crown Other (specify)

Provide the names and addresses of owners and occupiers of the property e.g. tenants, lessees (if other than the applicant):

Owners / Tenants / Lessee

Territorial Local Authority or Council in which the activity is situated (or adjacent if within the CMA) and relevant District Plan Zoning e.g. rural.

<input type="checkbox"/> Auckland City Council	<input type="checkbox"/> Franklin District Council	<input type="checkbox"/> Manukau City Council
<input type="checkbox"/> North Shore City Council	<input type="checkbox"/> Papakura District Council	<input type="checkbox"/> Rodney District Council
<input type="checkbox"/> Waitakere City Council	<input type="checkbox"/> District Plan Zoning. Please state: _____	

4.0 Description of the Proposal

Purpose for which water is to be taken and/or used: *(Tick as appropriate)*

Irrigation Industry Private Community Water Supply Municipal supply Stock purposes
 Dairy Shed Domestic Pumping Test Geothermal use
 Other (specify) _____

If water is for IRRIGATION, state principal crops and area of each irrigated:

Orchard _____ ha Pasture _____ ha Glass/Plastic house _____ ha
 Nursery _____ ha Market Garden _____ ha
 Name principal crop: _____ ha

If water is to be used for INDUSTRY, state the type of industry and the process in which water is used:

If water is to be used for PRIVATE COMMUNITY WATER SUPPLY, state what type of institution uses the water:

If water is to be used for STOCK or DAIRY SHED use, state type of animal and number:

Animal type: _____ Number: _____

If water is to be used for HOUSEHOLD use, state number of houses to be supplied from the bore.

Number: _____

Estimated quantities of water required:

Maximum Daily Quantity _____ cubic metres per day.
 Annual Quantity _____ cubic metres per year.

Number of proposed bores: _____

(Use a separate sheet for an application with multiple bores showing the site locations and map references.)

Proposed Construction Details:

Bore Diameter (casing diameter): _____ mm

Bore Depth: _____ m

Casing Depth: _____ m

Casing Materials: _____

Depth to top of screen: _____ m

Depth to bottom of screen: _____ m

Screen Materials: _____

Proposed grouting length: _____ m

If using PVC casing state grade: _____

What is the predominant geology (aquifer) into which the bore will be screened?

Choose one of: Alluvium (soil or fill), Geothermal, Greywacke, Kaawa shell, Sand/Gravel, Volcanic, Waitemata sandstone or Other _____

5.0 Site Plan – Show the following on the Site Plan: (provide one set of plans reduced to A3 / A4 depending the scale of activity)

Title box including:

- The name of the person and/or company that prepared the plans.
- Address of property.
- Date plans were drawn.
- Unique plan reference or identification or variation number where relevant.

Legend explaining symbols on the Site Plan.

North point (orientated to the top of the page if possible).

Total site area in hectares or m².

Road frontages and names.

Property boundary dimensions – existing and future (*where relevant*).

Location of existing and proposed structures, roads, buildings, fences etc.

Direction of ground slope (indicate with arrows).

Names of neighbouring property owners

Location of proposed bore or well.

Location of all bores within 200m of your drilling site.

The location of any septic tanks, offal pits, contaminated sites, potential contaminants or waste disposal areas within 150 m of the proposed bore or well.

Location of Mean High Water Springs (MHWS) / Coastal Marine Area (CMA) if within 500m of the bore or well.

Location of any cultural heritage features including historic, waahi tapu and archaeological sites on the site and environs. (Refer to Section 3.9 of this form)	
Location where the water is to be used.	
Location of existing and proposed underground services including public drains in close proximity to bore site.	
Describe land use within 50m of the drilling site e.g. dairy shed, horticulture, grazing etc.	
Will the drill hole result in the bore accessing more than one aquifer (open hole through two strata) e.g. Kaawa and volcanic aquifers? YES / NO. If YES, give details of proposed construction methodology to ensure separation of aquifers. _____	
Is the proposed bore in an area known to have flowing/artesian characteristics? _____	
Are any soil or groundwater analyses proposed? If so, briefly describe.	
In reasonable proximity of the proposed drilling site, are there any: Archaeological or cultural heritage features e.g. pa sites, middens? <input type="checkbox"/> Yes <input type="checkbox"/> No Areas or aspects of significance to Māori or Tāngata Whenua e.g. waahi tapu <input type="checkbox"/> Yes <input type="checkbox"/> No If YES to any of the previous features, then describe what is present and identify what adverse effects your drilling may have. _____	
Is the bore located in a wetlands management area as identified in schedule one of the PARP:ALW? <input type="checkbox"/> Yes <input type="checkbox"/> No In reasonable proximity to the proposed drilling site, are there any natural heritage features e.g. indigenous vegetation and / or any significant ecological or geological features or features with significant natural heritage and / or conservation values e.g. volcanic cones, wetlands etc on the site and environs. <input type="checkbox"/> Yes <input type="checkbox"/> No If YES , describe what is present and any adverse effect your drilling may have. _____	
Are there any alternative water sources available to you? (e.g. groundwater from a deeper aquifer, rainwater storage, municipal supply, water impounded by a dam). <input type="checkbox"/> Yes <input type="checkbox"/> No If YES , why have you not chosen any of these?	
Are there any alternative bore locations further away from neighbouring bores? <input type="checkbox"/> Yes <input type="checkbox"/> No If YES , why have you not chosen any of these?	

6.0 Consultation

Explanation

It is good practice to consult with neighbouring property and bore owners prior to drilling. This can assist in identifying bore locations, avoiding unnecessary concerns by the neighbouring bore owners and potential for adverse effects from taking water. The ARC is also required to consider the Tangata Whenua (Iwi) interests recognised in the RMA when making decisions on resource consent applications and it is considered best practice that you undertake consultation with iwi in developing your proposal and before you lodge your application.

Although it is not mandatory to consult, the RMA requires that you must report on any consultation undertaken. The results of consultation can assist the ARC in making a decision on the application.

For more information on consultation refer to fact sheet 'Consultation'.

*Where consultation has taken place with Iwi (contact ARC staff if you are unsure who your local Iwi contact is) or any interested person, details of the consultation undertaken, including the views of those consulted and your response to their concerns/issues **MUST be provided in the table below. (use additional sheet if necessary)***

Have you consulted with Iwi? Yes No

Have you undertaken any other consultation? Yes No

Name & Address	Concerns / Your Response

7.0 Site Visit Requirements

The processing of your resource consent will normally require a visit to the subject site by council officers or consultants acting on behalf of the ARC. If staff cannot visit the site, they will be unable to process your application.

As landowner and with the consent of any occupiers or lessee's, I agree to council staff or authorised consultants visiting the site, which is the subject of this application, for the purpose of assessing this application.

Landowner's full name: _____

Landowner's signature: _____

Person authorised to sign on behalf of Landowner: _____

Authorisee's signature: _____ Date signed: _____

Is there a locked gate or security system restricting access by council staff? Yes No

Do you have a dog on the property? Yes No

Provide details of any entry restrictions that council staff should be aware of e.g. Health & Safety, Site Safe, Organic Farm etc.

8.0 Declaration (to be completed by Applicant or Agent)

I/we have read, understand and accept the terms and conditions outlined throughout this application form and I hereby certify that to the best of my knowledge and belief the information given in this application is true and correct. I/we undertake to pay all actual and reasonable processing costs incurred by the ARC.

Signature:	
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Full Name (print):	
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Date:	
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Signature:	
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Full Name (print):	
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Date:	
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Continue with trustees' and Authorised officers signatures below, as necessary

Personal details and signatures of trustees* or officers authorised to sign on behalf of and to bind trusts, societies, and unincorporated entities.

*Private and family trusts only

Full Name and Status: (Trustee, Officer etc) Full Residential Address: Signature:	
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Full Name and Status: (Trustee, Officer etc) Full Residential Address: Signature:	
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Full Name and Status: (Trustee, Officer etc) Full Residential Address: Signature:	
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