

APPLICATION FOR RESOURCE CONSENT

FORM A & B: TAKE WATER FOR MILK COOLING AND DAIRY SHED WASH DOWN



NOTES

You must fully complete all parts of this form. Provide as much detail as you can. You must also supply a completed Form C.

It may be useful for you to include a cover letter to describe the water supply set up on your farm, and to provide any additional information that may assist us in understanding your water take application.

You must pay the required initial deposit of \$1000 when you submit your consent application forms. Remember to sign and date all forms.

If you need any further help, please phone our Resource Use staff on 0800 800 401.

FOR OFFICE USE ONLY

File:

Client ID:

Project:

ADMINISTRATION

1. Applicant details

Full name/s of applicant <i>This is the name/s that the consent will be issued to.</i>		
Director / Minister / Chief Executive		
Company registration number <i>We will not accept applications made in the name of unregistered companies.</i>		
Applicant's postal address		
Applicant's residential address <i>If different from postal address.</i>		
Primary contact person/s		
Email address		
Phone number/s	Home:	Business:
	Mobile:	

For individuals, you must provide the full names of all individuals (such as John Robert Smith and Mary Jane Williams).

For companies and other incorporated entities you must provide the company name and registration number. You must also provide the name of a person or persons who will represent your company and be responsible for the application.

For partnerships and unincorporated entities (such as private or family trusts or unincorporated societies) we must have the details of all authorised partners, trustees, members or officers on page 2. We may also request a copy of your society's rules to verify your status as a formal body or society. You must provide information in Q3.

2. Application consultant/agent details *(if applicable)*

Name/company name		
Contact person		
Postal address		
Email address		
Phone number/s	Home:	Business:
	Mobile:	

3. Partnership/Unincorporated entity details

For **partnerships** or **unincorporated entities** (such as private or family trusts or unincorporated bodies or societies) you must provide details of all authorised partners, trustees or members. Any consent granted will then include these names, and all individuals will be legally responsible for the consent and any associated costs. Should these persons change, then you must notify us.

Name of person	
Status <i>(such as partner or trustee)</i>	
Residential address	

Name of person	
Status <i>(such as partner or trustee)</i>	
Residential address	

Name of person	
Status <i>(such as partner or trustee)</i>	
Residential address	

Include details of any further partners/trustees/members on a separate page if necessary.

4. Who should we send application correspondence to?

☐ Applicant ☐ Consultant/Agent

Preferred address for service:

☐ Residential address ☐ Postal address ☐ DX number ☐ Email

Note: all costs will be invoiced directly to the applicant

5. To enable streamlining and group processing of your application Waikato Regional Council staff would like to extend the standard processing timeframe for your application if we consider it necessary. If you give us permission to do this, please check the box below:

- ☐ I give permission for the standard processing timeframe to be extended.
- ☐ I do not give permission for the processing timeframe to be extended and I want my application to be processed individually

NOTE: Please be aware that if you do not agree to a timeframe extension, we will be unable to include your application as part of any group processing streamlining that may be available. Your application is likely to be processed individually, and as a result the cost of processing your application may be higher.

6. Farm Location Details

Farm dairy supply number		
Property address		
Legal description		
Name of closest road/street		
Nearest settlement/town		
Map Coordinates If known please supply map coordinates of the water take location(s) preferably in New Zealand Transverse Mercator 2000 (NZTM2000) references		

7. Map of water take location(s)

Where will the water take(s) occur? You must supply a location map or diagram on a separate sheet of paper that shows the site of your take(s) and its local environment. This helps us determine what or who may be affected by your proposal. Please show:

- orientation (North arrow and scale)
- site location
- the location and name of the nearest road or state highway
- mark the location of all water takes (bore and/or surface water) on your property and label what they supply water for
- property boundaries and neighbouring properties (as well as neighbouring property owners' names)
- location and names of any nearby natural features such as geothermal activity, waterways, wetlands or wildlife habitats
- historic or waahi tapu sites
- Other properties you supply water

8. Is your water take located on property that you own?

- ☐ Yes ☐ No

If no, please complete the details below:

Owners name/s		
Postal address		
Email address		
Phone number/s	Home:	Business:
	Mobile:	

SECTION A: VOLUME DETAILS

9. Shed Water Volume

a) How many cows were you milking prior to 15 October 2008?

Note: this should be the same number as provided in your evidence of cow numbers

b) How many cows are currently milked on the property?

c) Do you wish to apply for water for a future increase in water requirements?

☐ Yes

☐ No

If yes, what is the maximum number of cows you propose to milk in the future?

Note: increases in water take volumes since October 2008 or for future increases are not grandparented and in some situations may follow a more complex consenting process.

Use these numbers to complete the table below:

		Number of cows	Daily volume of water per cow (see note above)	Total daily volume	Are you applying for this water?
a)	Pre October 2008 daily "grandparented" water	from "a"	X 70 litres /cow/day or litres /cow/day	litres	<input type="radio"/>
b)	Current Daily Water Use	from "b"	X 70 litres /cow/day or litres /cow/day	litres	<input type="radio"/>
c)	Future Daily Water Use	from "c"	X 70 litres /cow/day or litres /cow/day	litres	<input type="radio"/>

Note 1: If you wish to apply for a volume that exceeds 70 litres per cow per day please enter it in the space below and provide an explanation here as to why you are applying for that volume. See "Additional information for Dairy Shed Water applications" regarding the need to prove any other volumes needed (attach further sheets if required).

10. How are you providing proof of the volume of water taken prior to 15 October 2008? (please tick)

- ☐ Cow numbers – Please attach evidence of cow numbers prior to 15 October 2008
(See "Additional information for Dairy Shed Water applications" for ways to provide this information)
- ☐ Water use records from prior to 15 October 2008 (tick) – please attach these records to this form
- ☐ Other – please attach evidence on a separate sheet of paper

11. What is the water source for your dairy shed?

- ☐ Groundwater > also complete sections B, D & E
- ☐ Surface water > also complete sections C, D & E

12. Is any other water on your farm supplied by the same source as your dairy shed water?

- ☐ Yes ☐ No

If yes, what other water if from the same source?:

- ☐ Stock water
- ☐ Domestic/house water
- ☐ Other

Please complete the following table to provide detail on stock, domestic or other uses. We ask for this information to allow us to understand the total volume of water that will come from this source for both our technical reviews and for any future compliance assessments.

You will need to complete this table if this other water is coming from the same source as your shed supply, or from another source but you wish to include your stock watering volume in your consent (see question 13 below)

Type	Litres per head (see note below)	Number	Total daily volume (litres x number)
Cows	70		L
Calves	45		L
Drystock	55		L
Households	1500 per house		L
Other			L
Other			L
Total			litres

Note: If you want to use other values for stock watering or household supply, you may do so. Please explain why you are using those values in a cover letter.

13. Do you want to include your stock water and domestic supply volumes in your consented volume, or do you intend to continue to rely on special stock watering & domestic supply provisions (s14(3)(b) of the RMA) or permitted activities

- ☐ Yes – I wish to include stock water ☐ No – I will rely on s14(3)(b) of the RMA
- (See “Additional Information for Dairy Shed Water applications” for information on your options)

14. Do you supply any water to neighbouring properties?

- ☐ Yes ☐ No

If **yes**, please clearly indicate on your map (Q7) the other properties that are provided water from this take.

What is water supplied to other properties used for?

If you wish to include the volumes supplied to other properties in this consent, please complete tables Q9 and Q12 for that property. A separate copy of these can be downloaded from our website or requested by phoning 0800 800 401.

- ☐ Tick here to include that volume

15. Summary of water applied for:

Shed Use (Q9) use highest volume you are applying for from table Q9	litres
Stock Drinking/Household/other (Q12) (from table Q12 if applicable)	litres
Other properties (Q14)	litres
Total =	litres

16. If you are applying for increased water since 2008 (e.g. have increased herd size since 2008 or are applying for future anticipated increase), do you wish to split your consent applications into two – one application for pre-2008 water use and one application for post-2008?

☐ Yes ☐ No ☐ N/A

(See "Additional information for Dairy Shed Water applications" for reasons to consider this option)

17. Is there a meter installed on the pump?

☐ Yes ☐ No ☐ N/A

If yes please provide details:

If no, do you propose to install a meter?

☐ Yes ☐ No ☐ N/A

(NOTE: any take with a volume above 50 cubic metres, including any stock water taken, will require a suitable meter be installed – see "Additional information for Dairy Shed Water applications" for details on water meter benefits and requirements)

SECTION B: GROUNDWATER TAKE DETAILS

Please note where multiple bores are subject to this application, additional copies of this section can be obtained from our website or by phoning 0800 800 401

18. Is the bore hole/well:

☐ Existing
☐ Yet to be installed (please note a well drilling consent is required for the construction of any new bore hole/well)

Please attach a copy of any bore logs or pump tests you hold in your records.

19. Has a pump test ever been undertaken on the bore

☐ Yes ☐ No

If yes:

☐ Waikato Regional Council has this
☐ the contractor has the results
☐ it is attached
☐ these are no longer available

- 20. To ensure we have your bore correctly registered, please provide the well construction details (if known). In this section please provide any information you have on the bore. If any information is unknown, please state this. Any estimates you have on the bore may also be useful to us. If you are providing estimates, please just mark these with an asterix*.**

Well depth:		m	Well diameter:		mm
Casing depth:		m	Casing diameter:		mm
Depth to pump:		m			
Year of construction:					
Casing materials:	<input type="radio"/> steel <input type="radio"/> PVC <input type="radio"/> other (please specify)				
Is there a screen:	<input type="radio"/> Yes <input type="radio"/> No				
Driller					
Screen depths:	Top:		m	Bottom:	
Screen diameter:			mm		
Screen materials:	<input type="radio"/> steel <input type="radio"/> PVC <input type="radio"/> Other (if known):				
Aquifer/geology (if known):					

- 21. Is the bore within the following distances (please tick):**

600 m of the Coastal Marine Area ☐ Yes ☐ No
 100 m of a lake or stream/drain ☐ Yes ☐ No
 100 m of a geothermal feature ☐ Yes ☐ No
 100 m from any other wells ☐ Yes ☐ No

(unless you also own that well) (if you are within 100 m of another bore, consulting with the owner of that bore and obtaining their written approval for your water take will help streamline the process– see "Additional information for Dairy Shed Water applications" for information on consultation requirements)

- 22. Has the water take resulted in saltwater intrusion or other contamination of the water in your bore (the aquifer)?**

☐ Yes ☐ No

- 23. Please provide all the following dimensions for the surface waterway (stream, lake, drain, spring etc) nearest to your bore (even if the waterway is a significant distance away), as observed in a typical late summer (i.e. February/March). If you are unable to measure any distance, please provide an estimate and mark with an asterix*. This information is required for all groundwater takes:**

Stream name (if known) (Please show this on your location map Q7)			
Stream width:		m	Stream depth:
Depth to water table		m	Distance to stream:
If water table depth is not known: depth to water in your bore			
			m

SECTION C: SURFACE WATER TAKE DETAILS

24. What is the name of the water body water is taken from (if known)?

25. What rate do you take water at?

 litres per second

(See “Additional information for Dairy Shed Water applications” for suggestions on how to determine your rate of take)

26. What number of hours do you intend to take water per day?

27. Is this at regular times?

☐ Yes

☐ No

If yes, when:

28. What months do you generally intend to take this water?

Do you have a “one in five year low flow” or “Q5” value that you propose?

☐ Yes

☐ No

☐ Unknown

If yes, please provide details (attach on separate sheet if necessary)

If you do not know a Q5 value, you do not need to provide one at this stage. Waikato Regional Council will assess the application and advise you if any further information is required.

29. Describe the intake structure including the instream location of the pipe, the diameter of the pipe and any screen on the intake. Please attach a diagram or photo

NOTE: a condition of your consent will require you conform with the requirements of section 3.2.4 of the Waikato Regional Plan see “Additional information for Dairy Shed Water applications” for more information.

RIPARIAN PLAN

If you are taking your water from a surface waterway and wish to rely on the “grandparented” dairy shed water rules for your pre-October 2008 water volumes you may need to provide a Riparian Vegetation Management Plan, and we have a template available to help you do this.

30. Have you included a Riparian Vegetation Management Plan with this application?

☐ Yes ☐ No

If NO, do you intend to provide one as part of this application process?

☐ Yes ☐ No

If yes, by when?

If you choose not to provide a Riparian Vegetation Management Plan as part of this process, you will not be assessed under “3.3.4.19 Controlled Activity Rule – Taking of Surface Water for Existing Milk Cooling and Dairy Shed Wash Down. There may be some consequences to this – please see “Additional information for Dairy Shed Water applications”

31. Some existing agreements with Waikato Regional Council are able to be used as a Riparian Vegetation Management Plan. Does your property have any of the following in force for fencing and planting on the stream from which you take water?

- Land Improvement Agreement
- Memorandum of Encumbrance
- Environmental Protection Agreement

☐ Yes ☐ No

NOTE: you may also know these as Clean Streams Agreements, Soil Conservation Agreements or Catchment New Works Agreements.

☐ If YES, please tick here if you adopt these agreements as your Riparian Vegetation Management Plan

SECTION D: SURFACE WATER TAKE DETAILS

LEAK DETECTION MEASURES

32. What leak detection mechanisms do you intend to undertake for your reticulation network?

- ☐ Water meter checks
- ☐ Water pressure checks
- ☐ Alarms/Alert Systems (please specify)

- ☐ Visual check for greening/wet patches
- ☐ Other (please specify)

How often/under what circumstances will these be undertaken?

ASSESSMENT OF EFFECTS ON THE ENVIRONMENT

You must provide an answer to each question in this section. Failure to provide an answer may result in your application being returned to you. In this section, provide your own assessment of effects. Where you consider there are no effects, please state this

33. Please identify all other users of the water source known to you and show their location on your map

34. How does your activity affect the environment? (For example, what effects does it have on stream flow during times of low flow, including effects on aquatic life, what effect is there on neighbouring groundwater users, springs in the area).

35. How can you minimize the impact of your water take on the environment?

MATTERS OF SIGNIFICANCE TO IWI

You must provide an answer to each question in this section. Failure to provide an answer may result in your application being returned to you. In this section, provide your own assessment of effects. Where you consider there are no effects, please state this

36. Is your water take likely to affect:

- The relationship of local Māori (tangata whenua) and their culture and traditions with their ancestral lands, water, sites, sacred places (wāhi tapu) and other treasured things (taonga)
- The lifeforce (mauri) of the water body or local maori (tangata whenua) uses and values of water or their ability to exercise guardianship (kaitiakitanga)

☐ Yes

☐ No

If YES, please provide details of what effects there are, or if NO, your reasons why you consider there is no effect:

APPLICATION DEPOSIT

37. Amount paid

Total amount paid \$	Payment Date
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39. Payment method

☐ Cheque attached (please make cheques payable to the Waikato Regional Council) ☐ Cash ☐ Direct credit

PAY TO THE CREDIT OF **WAIKATO REGIONAL COUNCIL, ANZ, HAMILTON BRANCH**

Name of account	Bank	Branch	Account No.	Suffix
Waikato Regional Council	0 6	0 3 1 7	0 0 9 6 4 4 2	0 0 0

DETAILS TO APPEAR ON PAYEE'S BANK STATEMENT

Payer particulars (max 12 characters) **Debtor code**

--	--	--	--	--	--	--	--	--	--	--	--

Payer code (max 12 characters) **Applicant name**

--	--	--	--	--	--	--	--	--	--	--	--

Payer reference

R	C	A	P	P	L	N					
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DECLARATION

40. Declaration

I/we hereby certify that, to the best of my knowledge and belief, the information given in this application is true and correct. I/we also undertake to pay all actual and reasonable costs incurred by Waikato Regional Council in the processing of this application.

Signature of applicant or applicant's agent	Date
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FINAL CHECKLIST

41. Have you? (Please tick)

- ☐ Filled in all parts of this form that are relevant to your activity and provided all the information required?
- ☐ Completed and attached a separate Form C - Other Matters?
- ☐ Consulted with any interested or affected parties and included their comments and/or written approvals (if possible)
- ☐ Provided proof of water taken or cow numbers prior to 15 October 2008?
- ☐ Attached any pump test records you have for your bore (if applicable)
- ☐ Provided a map of your water take location and/or photos of your intake structure/bore
- ☐ Attached a Q5 assessment (if you have one)(if applicable)
- ☐ Attached a Riparian Vegetation Management Plan (if applicable)
- ☐ Included or paid the required \$1000 deposit fee for this application?
- ☐ Attached a bore log if you have one (if applicable)
- ☐ Completed all questions in the Assessment of Effects on the Environment and Matters of significance to Iwi sections?

Privacy Statement

The Resource Management Act (1991) requires this information to process the application and assist in managing the region's natural and physical resources. Information in this application is regarded as **official information**.

Waikato Regional Council will hold this information, including all associated reports and attachments, and it is subject to the Local Government Official Information and Meetings Act 1987 and the Privacy Act 2020. The details may also be made available to the public. These details are collected to inform the general public and community groups about all consents which have been processed or issued through the council.

Under the Privacy Act 2020 you have the right of access to, and correction of, personal information held by the Waikato Regional Council.

Official information

The information you provide with your application is official information. It is used to help process your resource consent application and assess the impact of your activity on the environment and other people.

Your information is held and administered by the Waikato Regional Council in accordance with the Local Government Official Information and Meetings Act 1987 and the Privacy Act 1993. This means that your information may be disclosed to other people who request it in accordance with the terms of these Acts. It is therefore important that you let us know if your application includes trade secrets, commercially sensitive material or any other information you consider should not be disclosed.

Under the Privacy Act 1993 you have right of access to perosnal information held by the Waikato Regional Council.

Need help or more information?

Go to www.waikatoregion.govt.nz/watertakes for Frequently Asked Questions and additional information. Our freephone staff are available to help with enquiries on 0800 800 401.

Consultation

Unless we advise otherwise, you should also consult with any person or party who may be interested in or affected by your proposal. You should provide details of this consultation, including written approval from these parties if possible. A form is available to help you with this, available on our website or by contacting our office.

Billing

For simple applications, you will be billed for the remaining costs at the end of the process. More complex applications will receive an individual estimate of total cost and will be invoiced throughout the process

Incomplete application

Failure to provide the required information and payment will delay the processing of your application. If you do not provide adequate information then we will not be able to process your application, and will return it to you. If you do not pay the required fees, we may stop processing your application until payment is received.

Additional information

Please use this space to include any further information you wish to include with your application, or that you consider will help us understand your proposal and farm water requirements. Use additional sheets if required.

ADDITIONAL INFORMATION FOR DAIRY SHED WATER TAKE APPLICATIONS

Information to help fill out dairy shed water take application form (Updated November 2025)

Question 9

Waikato Regional Council is likely to accept this proof that water use exceeded 70 litres per cow per day prior to 15 October 2008:

- your current peak water use requirements are (see meter info below)
- proof of your current stock numbers,
- proof of your pre-15 October 2008 stock numbers, and
- proof that your shed set-up is the same now as it was prior to 15 October 2008 (i.e. the same shed with the same or improved water using devices).

Meter readings must be taken regularly for a period to demonstrate actual water usage. While in unique situations we may request or accept other readings, we suggest you provide:

- daily readings for at least one week, preferably longer
- at least weekly readings for an additional three weeks, preferably longer.

When assessing the evidence, Waikato Regional Council may also consider:

- whether the volume applied for is within a normal range for the type of shed and water using devices (water volumes outside of the normal range will be scrutinised closely and may require further proof or monitoring requirements)
- any additional information you may include, such as milk production figures.

Waikato Regional Council will accept any reasonable document to prove cow numbers. However, an external party must be able to be verify them. Common suitable documents include:

- tax records indicating number of milking cows on the property
- herd testing records for the property
- sharemilking agreements
- milk supplier confirmation of cow numbers.

Please include one or more of the above documents and any explanatory notes required. Please note these must provide evidence of cow numbers before 15 October 2008. Generally, any documentation from the years 2005/06, 2007 and before October 2008 will be accepted. Documents detailing cow numbers for anything other than a short period after October 2008 may be rejected.

If you provide any sensitive information (e.g. financial records) that you do not wish to be held on our file, please block it out (e.g. a black marker through the financial values) before providing it to us. But ensure you leave in all information about cow numbers and dates.

If you are unable to locate any information about cow numbers, please provide a cover letter to explain your specific situation and why you are unable to locate the information.

Question 13

Many farms take water for both shed use and stock watering from the same source (e.g. well or stream). For most existing stock watering and domestic supply water takes, no consent is required; instead, you are given a special provision under section 14(3)(b) of the RMA. Having a consented take and an "RMA" take from the same source can complicate keeping and auditing your records. There are three options to deal with this:

1. You can obtain a consent for just the shed water and install two meters – one at the source (e.g. well head or stream intake) and one on the pipe into the shed. This means very clearly we can see both what you're taking from the environment, and what is being used under your consent.
2. You can obtain a consent for just the shed water and install one meter at the source (e.g. well head or stream intake). We then will have to audit your records bearing in mind the additional water that will be taken for stock. Where the total water use (shed + stock) increases over time, we may need to undertake an audit of your system to ensure shed water use is not increasing.
3. You can obtain a consent for both the shed water AND stock/domestic watering needs. This will have a volume limit on it, and we will need to investigate any exceedances. Where exceedances can be shown to be for stock watering only, we are likely to treat that non-compliance as minor, as opposed to a non-compliance in shed water take which may be treated more seriously.

Question 16

If you have increased your dairy shed water requirements since 15 October 2008, you first need to decide between two options:

1. apply only for the pre-2008 water volume and follow the simple dairy shed water take process – ensure you can operate under the reduced volume of water available to you when the consent is granted
2. apply for both the pre-2008 water volume ('simple process') AND the additional water volume ('more complex process') and then either:
 - split the applications: we process the pre-2008 water take volume in the usual "simple process" way and then treat your "more complex process" application separately, which may take some time, or
 - process both pre- and post-2008 water takes as one application: all water is assessed under the rules around the 'more complex process'. For some situations where plenty of water is available for allocation, the process may be very similar to the 'simple process'.

Note that applications in fully or over-allocated areas will be placed 'at the back of the queue'. They may not be processed for a significant period and may be publicly notified when they are. Potentially, they could end up in a hearing or at the Environment Court. These processes have no guaranteed outcome. You may only be granted your pre-2008 rather than the full amount or at worst, your application may be declined entirely.

Consider your options carefully. If you split your application or apply for your pre-2008 amount only, the benefits include:

- Waikato Regional Council can process your application reasonably quickly and at a lower cost (particularly if you apply during your catchment phase).
- You have certain access to that pre-2008 volume of water, no matter the outcome of any more complex process.

However, if you split your applications:

- You require two separate processes, which may incur a higher cost than one process alone.
- You will be granted two separate consents, although Waikato Regional Council is looking at ways that we might be able to, administratively, streamline these into the one consent.

Question 17

Water flow meters are the only reliable way to measure water use accurately. Many dairy shed water takes require a meter and those that do not will benefit from one. They help you manage your water resource efficiently and minimise costs associated with pumping and sometimes treating water on your property.

The type of meter you need depends on several factors such as water quality, sediment content, pipe setup and whether you want to use electronic recording devices. We recommend contacting a reputable local meter supplier and installer for advice on the best meter for your needs.

Waikato Regional Council does not currently have a list of approved meters or installers.

However, if you wish to ensure you're dealing with the right people and getting the right meter, you may wish to ask your supplier:

- if they are an accredited meter installer
- if the meter meets ISO 4064 standards
- if the meter manufacturer meets ISO 9001 standards.

Your meter will also need to be:

- tamper proof
- calibrated on installation and at periodic intervals over its life (likely to be every five years minimum)
- accurate to +/- 5 per cent.

A reputable local meter supplier should be able to advise you on all these requirements.

Do I need to install a meter?

Any take more than 50 cubic metres (including any stock water) requires a suitable meter (such as described above) and a weekly record of water usage. You need to supply these records to Waikato Regional Council twice yearly. Generally, this means any farm with more than 350 cows needs a meter, unless the water taken only supplies the dairy shed. In this case, a herd of up to 700 cows may not require a meter. We will advise if you require a meter.

Question 21

If your groundwater take is within 100 metres of another bore that you do not own, your water take application is considered a 'discretionary activity'. This means we must consider the effect on that nearby bore its ability to supply water. If you obtain written approval from the bore owner, then we don't need to assess the effect your water take has on the bore, which simplifies the process and helps to reduce costs. If the bore is on a dairy farm that requires consent for bore water take, the bore owner will also need to consult with you.

Question 25

Many pumps include a pump rate; however, this usually indicates the pump's capability without any restriction. Where there is significant head difference or water is taken from a well, the actual pumping rate is likely to be less than this value.

One easy way to determine what your pump is capable of is to measure the time (t) it takes for you to fill a known volume (v). Your rate (R) can then be calculated as volume divided by time ($R = \frac{v}{t}$).

For example, Bill has an empty 10,000 litre tank. It takes 92 minutes to fill up the tank. He calculates that

$$R = \frac{v}{t}$$

$$R = \frac{10000 \text{ litres}}{92 \text{ minutes}}$$

OR to get litres per seconds, divide by 60 therefore:

$R = 1.8$ litres per second.

Question 29

A 'Q5' is a statistical term for the 'one-in-five-year-low-flow' of a stream, meaning the lowest flow in a stream likely to occur once every five years. This can also be described as the flow that has a 20 per cent chance of happening each year.

We use Q5 to determine how much flow can be taken from a stream without significant adverse effects on the environment. Each waterway is assigned a percentage of the Q5 low-flow that can be allocated: the 'allocable flow'. This varies but it is often 10 per cent. For these streams, that means when the one-in-five-year low flow occurs, consent holders will take 10 per cent of the flow and leave 90 per cent in the stream if they all take their full allocation.

To allocate water from a stream, WRC needs to know its 'Q5'. This can be estimated, based on what we know about the stream or nearby streams, or it can be measured.

WRC may calculate the Q5 for you, but in some situations where we do not have the time or resources, we may need you to obtain one yourself. You do not need to provide a Q5 initially if you do not know it. Just be aware that we may get in touch if we need a Q5 or to check that you accept our calculations.

Question 30

Your intake structure may be a 'permitted activity'. This means you can use it without a separate consent; however, all surface water intake structures must meet these basic requirements:

- be screened (see further detail below for screen sizes)
- have maximum pipe diameter of 300 millimetres
- have maximum intake velocity of 0.3 metres per second
- extend for no more than 10 per cent of the total stream/river width (up to a maximum of 5 metres)
- on rivers wider than 10 metres, have a sign that alerts river users of the intake
- be maintained in structurally sound condition, free of debris
- be free of any erosion resulting from the intake structure
- allow for the safe passage of fish upstream and downstream.

The minimum size for an intake structure's mesh screen depends on the waterway classification and the location's height above sea level. You can find this out by calling us on 0800 800 402.

Significant indigenous fishery and fish habitats

Less than 100 metres above sea level: 1.5-millimetre diameter mesh

More than 100 metres above sea level: 3-millimetre diameter mesh

Significant trout fishery and trout habitats

All locations: 3-millimetre diameter mesh

Waterway that doesn't fall into any of the categories above

Less than 100 metres above sea level: 3-millimetre diameter mesh

More than 100 metres above sea level: 5-millimetre diameter mesh

If your waterway has more than one classification, you need to use the most restrictive screen size (i.e. the smallest mesh size diameter).

Any surface water take consent includes these requirements. If you are audited in the future, you will need to show you meet them.

Question 31:

If you take water from a surface waterway and need to rely on the 'grandparented' dairy shed water rules for your pre-October 2008 water volumes, you need to provide a riparian vegetation management plan ('riparian plan'). We have a template to help you do this. There are some exceptions where a plan may not be required:

- where you do not rely on grandparented dairy shed water take rules to obtain a consent for a water take
- where the waterway is located on property you do not own (including any neighbouring property over which you have an easement, Waikato Regional Council stopbanks or esplanade strips)
- where the waterway is within a drainage district managed by Waikato Regional Council or a territorial authority, a consent is required for the actual planting. It may be considered inappropriate for fencing or planting of these areas. Call us or your local drainage area manager to discuss this on 0800 800 402.

If you choose not to provide a riparian plan, your application will be considered under the other rules in the Waikato Regional Plan, and no special consideration will be given to the existing nature of your water take. In catchments where water is available to allocate, a consent may be granted even if you do not provide the riparian plan. However, if you are in a fully or overallocated catchment, failure to provide a riparian plan is likely to mean your application will follow a much more complex route, as it will not be grandparented.

If you do not provide a riparian plan with your application, we will assess your application to see if any other rules are available to provide you with a consent. If no other rules can be used, we will advise you that we need a riparian plan, or failure to receive one will likely result in a more complex consent process.

CONSULTATION FORM

PHOTOCOPY THIS FORM FOR EACH PERSON OR GROUP TO BE CONSULTED

Applicant	
Description of proposal	

Person/group consulted in regard to this proposal

Name of contact person	
Name of group	
Postal address	
Street address	
Email address	
Contact number/s	phone:

Consulted party's views on the proposal (to be completed by person/group consulted)

If you would like the Waikato Regional Council to know your views on the applicant's proposal, and/or if you consider you may be adversely affected, please indicate your views below (attach additional pages if necessary). Consider the following: How do you consider you will be affected? How would you like the applicant's proposal to be modified to take account of your views? What other comments do you have on the proposal that you would like the Waikato Regional Council to consider in making a decision on these resource consent applications?

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Applicant's response to views of consulted parties (to be completed by applicant)

Please indicate how your proposal can be modified to take account of the views of the party you have consulted with (or why the proposal may not be able to be modified to take account of those views).

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Consulted party's response to the proposal (to be completed by person/group consulted) *Please tick one only*

- ☐ I/We give my/our approval for the proposal ☐ I/We do not give my/our approval for the proposal
- ☐ I/We are not affected by this proposal

SIGNED _____ **DATE** _____