Form 2c: Water permit application to take groundwater (Category A, B, C)

Please answer all questions fully. The questions provide a guide in order to satisfy the minimum information requirements that must be included with your application as prescribed in Schedule 4 of the Resource Management Act 1991 (RMA). Depending on the scale of your proposed activity, more detailed information and an Assessment of Environmental Effects (AEE) will be required to support the resource consent application.

Officers from the Greater Wellington Regional Council's (GWRC) Environmental Regulation department are available to assist with filling out this form or to clarify information to include with your application. Some basic/standard pre-application advice is provided at no cost.

This form is required to be filled out in conjunction with Form 1 Resource Consent Application

Part A: General information on nature and scale of your activity

1. Is this application a renewal of a water permit to take/use groundwater from your bore/well?

☐ Yes ☐ No

If Yes, what is the water permit number: WAR/WGN

If No, what is the land use consent number? WAR/WGN

Note: All bores/wells are required to have a land use consent (bore permit). For new takes, if a permit for your bore/well has not been obtained you will need to apply for a land use consent (bore permit) as well. Use application form 6b.

2. Locality map

Show the location of your proposed abstraction point on an appropriately scaled aerial map/plan. Please show the area to be irrigated (if applicable), the location of any buildings, septic tanks, any neighbouring bores/wells, other known abstraction points, freshwater springs, streams, rivers, wetlands that you know of and any other relevant features of the surrounding environment.

3. What is the bore/well number for the bore/well where the groundwater will be taken from?

(eg, S26/0727)

4. What catchment management sub-unit and category is water taken from?

☐ Category A
☐ Category B
☐ Category C

Catchment management sub-unit

Note: The category and catchment management sub-units are provided in the Whaitua chapters of the Natural Resources Plan. Schedule P outlines how groundwater and surface water connectivity is managed.

5. What will be the maximum rate at which water is taken?

litres per second

hours per day

m^3 per week

m^3 per year

Note: For Category A takes, the amount of water allocated to surface water in litres/sec is based on m^3 per week (ave.)

6. **Please justify the above amount of surface water requested?** (eg, please provide any usage records/calculations/design relating to the surface water take). Use a separate sheet if required.

Note: Schedule Q in the Natural Resources Plan outline reasonable and efficient use criteria to be used when submitting consent applications. A water management plan is required for group/community water supplies. A field validated model is required for irrigation use – the Irrigation Reasonable Use Database (at http://mycatchment.info/) can be used to justify your irrigation requirements.

7. **What will the groundwater be used for?** (Tick the appropriate box(es)

☐ Industry State type of industry and major use of water:

☐ Community State number of households or population:

☐ Other State use:

☐ Irrigation State method of irrigation ☐ spray ☐ trickle ☐ border-dyke ☐ other

If spray irrigation, what method of spray irrigation will be used?

☐ centre pivot ☐ travelling irrigator ☐ K line or Bosch sprinklers ☐ Other

Have you changed or upgraded your irrigation system if you already hold a consent? If so please specify how.

What is the total area you will be irrigating?

☐ Crop(s)		ha	Crop type:	
☐ Pasture		ha		
☐ Horticulture		ha	Horticulture type:	
☐ Other		ha	Please specify:	

(please show clearly the area to be irrigated on a scaled aerial map)

Please describe the soil type and characteristics for the area to be irrigated below:

8. **Is there a water meter installed on the pump?** ☐ Yes ☐ No

If Yes, please answer questions 9-13 below

If No, when do you plan to install a water meter?

9. **What is the water meter type?** ☐ Magflow ☐ Ultrasonic ☐ Mechanical ☐ Other:

10 **What is the water meter serial number and brand type?**

11. Has the water meter been verified? ☐ Yes ☐ No

If Yes, who verified the water meter and when?

12. What is the distance between the water meter and the pumping location? _____ metres

Note: Under the Resource Management (Measurement and Reporting of Water Takes) Regulations 2010, approval is required from GWRC if your water meter is located more than 20 metres from the abstraction point.

If the distance identified above is greater than 20 metres, please explain why your water meter is located where it is, and mark specifically where your water meter is located.

13. What is the pump make, type and model?

Is the pump ☐ submersible or ☐ surface/suction lift? (please tick one)

What is the maximum capacity of your pump? _____ litres per second

Part B: Assessment of effects on the environment (AEE)

For most new applications and replacement or variation applications where more water is required an aquifer test (pumping test) will be required to be done on your bore/well. In addition to this a more detailed AEE will be required in order to answer the questions detailed below. Further information on aquifer (pump) tests can be obtained from our Environmental Science department or at http://www.gw.govt.nz/assets/Resource-Consents/Aquifer-Test-Guidelines.pdf and Schedule T of the Natural Resources Plan.

1. Has an aquifer test (pumping test) been carried out on your bore/well? ☐ Yes ☐ No

Please provide a copy of your aquifer test or summary details of your aquifer test in the space provided below, eg, length of test, pumping rate, drawdown in pumped bore, drawdown in monitored bores, assessment of aquifer transmissivity and storage co-efficient.

2. Please show any of the following on your scaled aerial map

(1) Other bore/wells

(2) All springs and surface waterbodies (including wetlands)

(3) Any septic tanks and/or other waste disposal areas

Note: For replacement applications, Greater Wellington will carry out an initial (desktop GIS) assessment of your take and use areas to look for the presence of potential wetlands. If potential wetlands are present, you will be contacted by your Resource Advisor to discuss next steps. For new applications you may be asked for this information as part of your application.

3. What are the anticipated effects of your proposed groundwater take on nearby bores/wells?

Note: if not already completed, modelling of interference effects on nearby bores/wells will be required.

4. For Category A and B takes, what are the anticipated effects of your proposed groundwater take on any springs or surface water bodies (including wetlands)?

Note: (1) For Category A takes, unless clear hydrogeological evidence demonstrates that surface water depletion effects are less than expected, all groundwater is considered as core allocation from the connected surface water catchment. Minimum flows apply to all Category A takes.

(2) For Category B takes, if the rate of take (based on a weekly average) is greater than 5 litres/sec a stream depletion assessment is required to be completed. If your Category B take is an existing take, GWRC has undertaken a stream depletion assessment. You can either accept the assessment provided, or provide an alternative assessment. Minimum flows may apply to Category B takes.

5. What are the anticipated effects of your proposed groundwater take on features within the surrounding environment (eg, stands of native vegetation, waste disposal areas etc.)?

6. Is your proposed groundwater take within 1 kilometre of any coastline? ☐ Yes ☐ No

If Yes, what are the anticipated effects of your proposed groundwater take on the risk of saltwater intrusion?

7. Are there any alternative water sources available to you? ☐ Yes ☐ No

If yes, please explain why you have chosen this option and not alternative options:

Part C: Assessment against statutory documents

1. Part 2 of Resource Management Act 1991 (RMA)

Have you provided an assessment against Part 2 (Purpose and Principles) of the RMA?
http://www.legislation.govt.nz/act/public/1991/0069/latest/DLM231904.html

2. National Environmental Standards for Freshwater 2020 (NESFW)

Have you provided an assessment of the proposal against the Resource Management (National Environmental Standards for Freshwater) Regulations 2020 for the taking, using, damming or diversion of water within, or within 100m of natural inland wetlands (https://www.legislation.govt.nz/regulation/public/2020/0174/latest/LMS364099.html)

3. Other National Environmental Standard (NES) or National Policy Statement (NPS)

Have you provided an assessment of the proposal against the relevant objectives and policies of any other National Environmental Standard (https://environment.govt.nz/acts-and-regulations/regulations/) or National Policy Statement (https://environment.govt.nz/acts-and-regulations/national-policy-statements/)?

4. Regional Policy Statement (RPS)

Have you provided an assessment of the proposal against the relevant objectives and policies of any proposed or operative Regional Policy Statement (http://www.gw.govt.nz/rps/)?

5. Natural Resources Plan (PNRP)

Have you provided an assessment of the proposal against the relevant objectives, policies and rules of the operative or proposed Natural Resources Plan (https://www.gw.govt.nz/your-region/plans-policies-and-bylaws/plans-and-reports/environmental-plans/natural-resources-plan/)?

6. Other relevant statutory documents

Have you provided an assessment against all other relevant statutory documents? Resource Management (Measurement and Reporting of Water Takes) Regulations 2010 (https://www.mfe.govt.nz/fresh-water/regulations-measurement-and-reporting-water-takes)

7. Permitted activities

Will you be undertaking any permitted activities as part of the proposed activity? (eg, taking domestic/stock water).

8. Other activities that are part of the proposal

Are there any other activities that are part of the water take which may require consent?

9. Value of investment

If you are applying to replace an existing consent, please provide an assessment of the value of the investment to which the activity relates (eg, value of irrigation infrastructure).

Part D: Monitoring and management of your activity

1. What monitoring/management procedures do you propose to ensure any potential adverse effects on the environment are avoided, remedied or mitigated?

(This may include, but is not limited to, what abstraction data you plan to record, when information will be submitted to GWRC, any groundwater levels that may be taken in your or any other bore/well, any monitoring of surface water bodies including wetlands that may be undertaken)

2. If you are required to submit water use records, how will you submit any records to GWRC?

☐ Electronically via a third party data host provider. State your provider

There are a number of companies that host water use data. By ticking this box you agree for that data provider to automatically submit water use records to GWRC's water use data management system. If you do not agree to the data provider submitting water use records, please explain why below:

☐ Electronically GWRC's WATER USE website (http://wateruse.gw.govt.nz/)

☐ Other:

If water use records are submitted in a manner that requires entry of individual records into GWRC's water use data management system by GWRC staff, this will incur higher compliance monitoring charges.

3. **What measures will you take during times of water shortage (eg, periods of low flow) if your groundwater take is likely to affect surface water body?**

Note: Some of the Wellington region's stream and river flows are monitored by GWRC. Any low flow restrictions placed on a particular stream or river can be viewed on our website www.gw.govt.nz.

4. **Do you have internet access and are prepared to monitor low flows via GWRC's website?***

☐ Yes ☐ No

Do you have email access and are prepared to receive email notices of low river flows?*

☐ Yes ☐ No

Email:

Do you have cell phone text access and are prepared to receive text notices of low river flows?*

☐ Yes ☐ No

Cell phone number:

*Note: This is only possible for rivers and streams monitored by GWRC.