

13 November 2023



Kaikoura Business Park 2021 Limited  
Attn To: Dennis Thompson  
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**Christchurch 8140**

**Customer Services**  
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Christchurch 8140

E. [ecinfo@ecan.govt.nz](mailto:ecinfo@ecan.govt.nz)

[www.ecan.govt.nz](http://www.ecan.govt.nz)

Dear Dennis,

### **Notice of Resource Consent Decision**

**Record Number:** CRC240909  
**Applicant Name:** Kaikoura Business Park 2021 Limited  
**Activity Description:** To take and use groundwater.  
**Decision:** Granted

### **Decision**

The decision of Environment Canterbury is to grant your application on the terms and conditions specified in the attached resource consent document. The reasons for the decision are:

1. The activity is consistent with the policies of the regional plan or national policy statement.
2. The activity will achieve the purpose of the Resource Management Act 1991.

### **Commencement of consent**

Your resource consent commences from the date of this letter advising you of the decision.

If you object to or appeal this decision, the commencement date will then be the date on which the decision on the appeal is determined.

### **Lapsing of consent**

This resource consent will lapse if the activity is not established or used before the lapse date of 19 December 2026. If you require more time in which to start the activity you can apply to extend the lapse date provided your request is received by Environment Canterbury before 19 December 2026.

### **Your rights of objection and appeal**

#### **▪ Objection to Decision**

If you do not agree with the decision of the consent authority, you may object to the whole or any part in accordance with Section 357A(1)(g) of the Resource Management Act 1991 (RMA). Notice of any objection must be in writing and lodged with Environment Canterbury **within 15 working days** of receipt of this decision in accordance with Section 357C(1) of the RMA.

- **Right to Appeal**

You may appeal the decision of the consent authority to the Environment Court in accordance with section 120 of the RMA. The notice of appeal must be lodged with the Court within 15 working days of receipt of this decision, at PO Box 2069, Christchurch. A copy of the appeal should also be forwarded to Environment Canterbury within the same timeframe.

If you are in any doubt about the correct procedures, you should seek legal advice.

- **Objection to Costs**

Section 357B of the RMA allows you to object to costs. Your objection must be received **within 15 working days** of the date on which you receive your invoice. Your objection must be in writing and should clearly explain the reasons for your objection as detailed in section 357C of the RMA.

### **Monitoring of conditions**

It is important that all conditions of consent are complied with, and that the consent holder continues to comply with all conditions, to ensure that the activity remains lawfully established.

You can find online Information regarding the monitoring of your consent at [www.ecan.govt.nz/monitoringconsent.pdf](http://www.ecan.govt.nz/monitoringconsent.pdf).

Charges, set in accordance with section 36 of the Resource Management Act 1991, shall be paid to the Regional Council for the carrying out of its functions in relation to the administration, monitoring and supervision of resource consents and for the carrying out of its functions under section 35 of the Act.

If you require a Purchase Order on monitoring invoices, please advise Environment Canterbury of the Purchase Order reference/number which needs to be valid for 12 months. Email our Finance team at [ar@ecan.govt.nz](mailto:ar@ecan.govt.nz) with your purchase order details using your Consent (CRC) number as a reference.

### **Further information about your consent**

For some activities a report is prepared, with officer recommendations, to provide information to the decision makers. If you require a copy of the report please contact our Advisory Team. You can find online information about your consent document at [www.ecan.govt.nz/yourconsent.pdf](http://www.ecan.govt.nz/yourconsent.pdf).

### **Queries**

For all queries please contact our Advisory Team quoting your CRC number noted above.

Thank you for helping us make Canterbury a great place to live.

Yours sincerely,



**Consents Planning Section**

cc:  
Baseline Group Limited  
Attn To: Anna Bensemman  
PO Box 950  
**Blenheim 7240**

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# RESOURCE CONSENT CRC240909

*Under Section 104 of the Resource Management Act 1991*

## The Canterbury Regional Council (known as Environment Canterbury)

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GRANTS TO:	Kaikoura Business Park 2021 Limited
A WATER PERMIT (S14):	To take and use groundwater.
COMMENCEMENT DATE:	13 Nov 2023
DATE CONSENT NUMBER ISSUED:	13 Nov 2023
EXPIRY DATE:	08 Jul 2033
LOCATION:	Inland Kaikōura Road, Peketa

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### ***SUBJECT TO THE FOLLOWING CONDITIONS:***

#### **Take Location**

- 1 Water may only be taken from bore O31/0155, 250 millimetres diameter and 18.6 metres deep, at map reference NZTM2000: 1651617 mE 5304077 mN.

***Advice Note:*** *The Community Drinking Water Supply Protection Zone for bore O31/0155 is shown on Plan CRC240909A.*

#### **Rates of Take**

- 2 Water may only be taken at a rate not exceeding 36 litres per second, with a volume not exceeding 310 cubic metres per day.

#### **Annual Volume**

- 3 Water may only be taken with a volume not exceeding 110,360 cubic metres between 1 July and the following 30 June.

#### **Water Supply Strategy**

- 4 The consent holder shall maintain and adhere to Appendix CRC240909 - Water Supply Strategy, attached to and forming part of this consent.

***Advice Note:*** *The minimum flow for the Kowhai River at the gorge is 690 L/s, and any drought provisions contained in the Water Supply Strategy should be fully implemented before this flow is reached.*

## Use of Water

- 5 Water may only be used for Community Supply purposes on the area shown on Plan CRC240909B.

## Records of Water Taken

- 6 Upon first exercise of this water permit the permit holder must keep records that provide a continuous measurement of the water taken under this permit, including any water taken in excess of what this permit allows.
- a. The records must:
    - i. comprise measurements, in cubic metres, of the volume of water taken in each 15-minute period;
    - ii. if no water is taken, specify the volume of water taken as zero cubic metres;
    - iii. be kept in a format that, in the opinion of the Canterbury Regional Council, is suitable for auditing;
    - iv. be kept using a device or system that measures the volume of water taken to within five percent of the actual volume taken, and is:
      - a. able to provide data in a form suitable for electronic storage; and
      - b. suited to the qualities of the water it is measuring; and
      - c. sealed and is as tamper-proof as practicable; and
      - d. installed at each location from which water may be taken under this permit; and
      - e. verified as accurate;
  - b. The permit holder must provide the records, electronically, to the Canterbury Regional Council, Attention: Regional Leader Compliance Monitoring, that cover:
    - i. each day, no later than the end of the next day; and
    - ii. each water year (1 July - 30 June), no later than one month after the end of that water year;
  - c. Within one month of the installation of each device or system (and any subsequent replacement) and at five-yearly intervals thereafter, and at any time when requested by the Canterbury Regional Council, the consent holder shall provide to the Canterbury Regional Council, Attention: Regional Leader Compliance Monitoring, evidence showing that:
    - i. the device or system that is keeping records is verified as accurate; and
    - ii. the verification has been performed by a person who is suitably qualified.

**Advice Note:** For a.iii. above see [www.ecan.govt.nz](http://www.ecan.govt.nz) for the latest version of 'Data Management Guidelines - Water Use'.

**Advice Note:** All flow and water level measurement and recording, including equipment, systems and procedures must be installed, operated and maintained at all times in accordance with any operative National Environmental Monitoring Standards.

### **Water Levels**

- 7 The consent holder must, before the first exercise of this consent, established, and maintain access to allow water level measurements to be taken in the bore(s), via a bung and socket with a minimum diameter of 20 millimetres, installed in the bore casing or headworks.

### **Backflow Prevention**

- 8 If the system is used to distribute any added contaminants the consent holder must ensure:
- a. An effective backflow prevention device is installed and operated within the pump outlet plumbing or within the mainline to prevent the backflow of contaminants into the water source; and
  - b. The backflow prevention device is tested at the time of installation and annually thereafter by a suitably qualified or certified person in accordance with Canterbury Regional Council approved test methods for the device used; and
  - c. The testing records and reports are kept and provided to the Canterbury Regional Council, on request.

**Advice Note:** This is not authorisation to discharge contaminants under section 15 of the Resource Management Act.

### **Minimising Wastage**

- 9 The consent holder must take all practicable steps to:
- a. Avoid leakage from pipes and structures;
  - b. Ensure that the volume of water used for irrigation does not exceed that required for the soil to reach field capacity; and
  - c. Avoid the irrigation of water onto non-productive land such as impermeable surfaces.

### **Review**

- 10 The Canterbury Regional Council may, once per year, on any of the last five working days of May or November, serve notice of its intention to review the conditions of this consent for the purposes of dealing with any adverse effect on the environment which may arise from the exercise of the consent.

**Exercise**

- 11 The Canterbury Regional Council, Attention: Regional Leader Compliance Monitoring, must be informed within five days of first exercise of this consent by the consent holder.

**Lapse Date**

- 12 If this consent is not exercised before 19 December 2026, then it shall lapse in accordance with section 125 of the Resource Management Act.

**Advice Note:** *'Exercised' is defined as implementing any requirements to operate this consent and undertaking the activity as described in these conditions and/or application documents.*

**Issued at Christchurch on 13 November 2023**

Canterbury Regional Council

**Plan CRC240909A – Community Drinking Water Supply Protection Zone for bore O31/0155**







Water shall only be used for community supply within shaded area



Water Supply Strategy

Kaikoura Lifestyle Blocks



**CLIENT**

Kaikoura Business Park  
2023 Ltd

**ADDRESS**

69 Inland Kaikoura Road  
Peketa  
Kaikoura

**REFERENCE**

7572

# Report Information

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Reference:	7572
Title:	Water Supply Strategy
Client:	Kaikoura Business Park 2021 Ltd
Filename:	Water Management Plan
Version:	2
Date:	August 24, 2023
Prepared by:	JT
Reviewed by:	CF

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## CHRISTCHURCH OFFICE

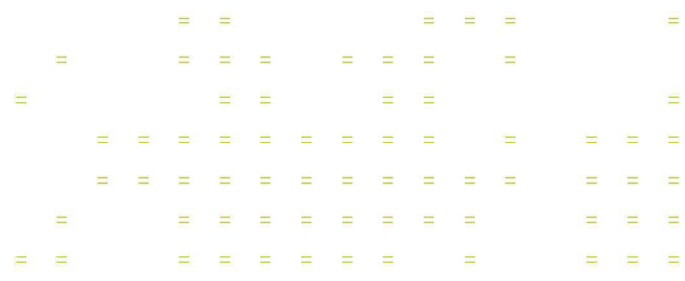
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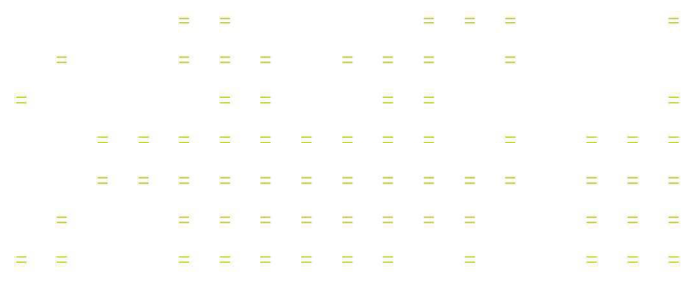
## CROMWELL OFFICE

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**A** 3A Donegal Street  
Cromwell 9310



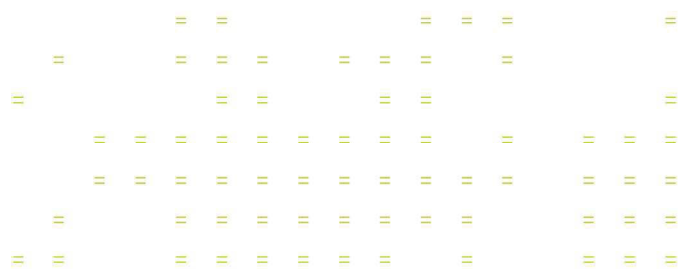
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Appendix 1: Water Supply Civil Drawings



# 1 Introduction

## 1.1 Report Purpose

This report has been prepared to set out how the privately operated Community Water Supply shall be operated and maintained. This report will be used to identify the requirements of the system Operator and the system Users.

This report should be read in conjunction with the Water Safety Plan. The Water Safety Plan is a live document and is expected to be continuously updated. No part of this report shall be deemed to supersede the Water Safety Plan, unless a higher specification occurs, in which case the higher specification shall always apply.

This Water Management Plan shall be updated as required to ensure that it meets all current legislation, best practices and is adapted to suit any changes in the system.

## 1.2 Definitions

**The Operator** is Kaikoura Business Park 2021 Ltd.

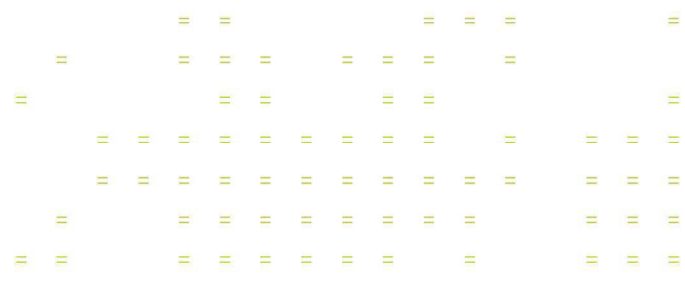
**User** is the owner(s) of any of the lots served by the reticulated water supply network.

## 1.3 Document Update

This document may be updated to ensure the maintenance or improvement of the level of service at any time.

This document may be updated to include the requirements of the commercial development (refer section 8), but solely for the purpose of ensuring the continuity of quality and quantity of water for residential Users.

No document update that reduces the level of service is permitted, unless via unanimous agreement with all Users.



## 2 System description

### 2.1 System Location

The site is located at 69 Inland Road, Kaikoura, at the corner of Inland Kaikoura Road and State Highway 1. The proposed water supply system is to serve 69 allotments of residential and light industrial use across 59.5 ha, highlighted in Figure 1 below.



**Figure 1: Area served by water supply network.**

### 2.2 Water Source

The water is sourced from a bore located at NZTM co-ordinates 1651617 – 5304077, identified as Bore 031/0155. This well was originally constructed in 1978 and has been operated then as an irrigation well. The well is 250mm diameter and is installed to a depth of 18.65m. Water is pumped from the well via a treatment plant (housed in a secure treatment shed) to a centralised storage tank(s). From the storage tanks the supply is pumped via the reticulation network to a supply point at each property boundary.

### 2.3 Water Quality

The water quality of water sourced from this well has been monitored regularly over the past six years and found to consistently supply wholesome water, with no recorded transgressions of limits associated with drinking water.

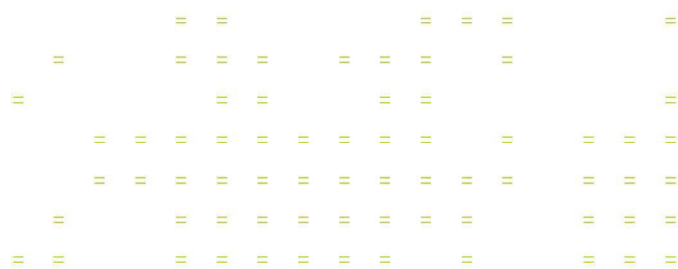
### 2.4 Water Treatment

Water is being treated at a treatment shed (located adjacent to the well, and as shown on BLG plan 7572-505 and 7572-506 included in Appendix 1 by the following systems:

The Operator shall provide treated water that meets or exceeds the New Zealand Drinking Water Standards.

This shall include, as a minimum, but not be limited to:

- Turbidity
- Faecal coliform count
- PH
- Nitrate concentration
- Heavy Metal concentration
- Concentration of any other contaminant that may pose a risk to human health



Treatment will be achieved and monitored using a series of devices housed in the water treatment shed. These devices are as follows:

- Raw Turbidity Meter
- Filtec Multimedia Sand Filter MM500A
- UV Disinfection
- Post treatment turbidity meter

The treatment plant has been configured for optional chlorination of the supply.

Water quality samples will be taken before and after water enters the treatment plant to ensure sufficient treatment is being achieved.

## 2.5 Water Storage

The Operator shall provide storage tank(s) at the treatment plant capable of providing a storage buffer of not less than 60,000 Litres, or one full day average demand of all Users connected to the supply (whichever is greater).

## 2.6 Water Reticulation

Water shall be reticulated by a piped pressure network, from the bore/treatment plant to each lot boundary. At the time of development, the reticulation comprises a network of DN63 PE pipework (with internal bore of approx. 50 mm) and connections points at the boundary of each lot, fitted with a flow restrictor.

## 2.7 Water Daily Allocation

Each User shall be supplied with up to 2 m<sup>3</sup> (2,000 Litres) per day. The daily allowance shall be administered by a flow restrictor at the boundary that shall limit the flow to each User to the specified allowance of 2,000 Litres per day. For avoidance of doubt the daily allowance is a daily maximum and cannot be carried over if not used. The well will serve 18 residential allotments for domestic supply and 51 industrial allotments for both domestic and industrial supply, for a maximum daily extraction rate of 138 m<sup>3</sup>.

## 2.8 Dwelling storage and pumping

Each User will be required to store on-site a suitable quantity of water to provide at least one day emergency potable supply (typically 2,000 Litres). The User will also be required to pump flows from their storage to the use point in the dwelling.

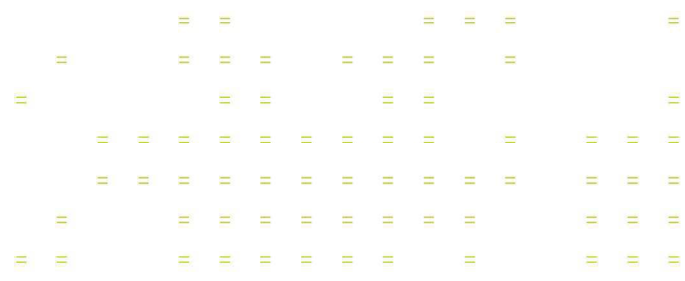
On site storage at each dwelling does not form part of the system and shall be the sole responsibility of each respective User.

## 2.9 Commercial Zone User requirements

All Users in the commercial zone shall as a minimum:

- Provide at their own cost a Medium Hazard Backflow preventer at the boundary
- Provide at their own cost a High Hazard RPZ backflow preventer at the boundary for any commercial Users that may present a high risk to the supply
- Avoid consuming more than their pro-rata share of the consented limits
- Provide at their own cost any on-site storage necessary for flow buffering of their peak demands

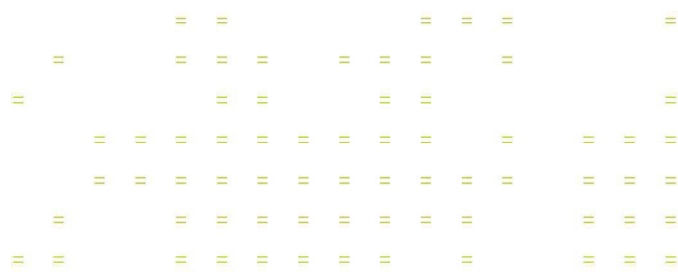




## 2.10 Fire Fighting

For avoidance of doubt this system does not provide on-demand firefighting supply. Each dwelling will be required to provide on-site storage for firefighting in accordance with NZS PAS4509:2008. This will often be achieved by the provision of 45 m<sup>3</sup> (45,000 L) of storage (but the actual solution will vary from User to User, refer to NZS PAS4509:2008 Appendix B). This fire fighting storage is **in addition** to the daily potable use, may not be depleted for potable or irrigation uses and is the sole responsibility of the User. The firefighting storage will need to be managed in such a way that it does not become stagnant or fouled.

Users shall note that the filling of firefighting supply tanks will take considerable time (likely more than 20 days at the restricted flow rate of 2 m<sup>3</sup> per day). Users may wish to consider sourcing filling water via tanker if the need for an operational firefighting storage necessitates expedited filling. This shall be the responsibility of the User.



## 3 Existing and Future Demand

### 3.1 Increase in Allocation

The well is currently consented to be used for irrigation with a maximum daily extraction rate of 3110 m<sup>3</sup>. Once changed to domestic supply, the maximum take will be 138 m<sup>3</sup> per day.

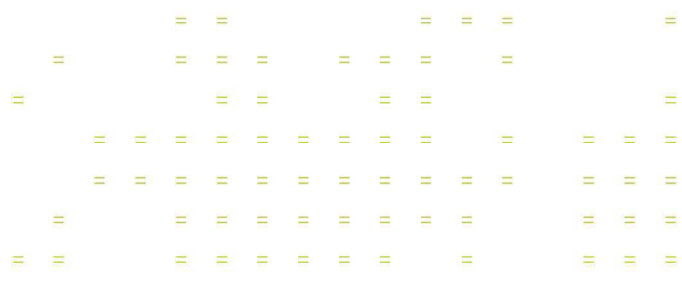
Being a private well and distribution system, it is unlikely that the future demands will be considerably increased, although the previous use of the well demonstrates that there is plenty of capacity for increased extraction if required. If any further developments are being connected to the system, pipe sizes may need to be upgraded to provide additional capacity.

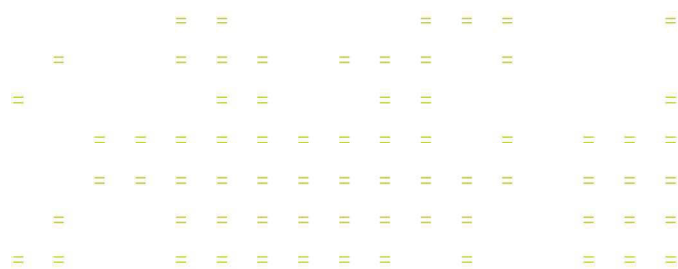
### 3.2 Public Health Needs

The proposed water treatment plant uses multiple sample points and turbidity sensors to ensure sufficient treatment is being achieved. As stated in Section 2.3, groundwater quality in the area has historically been consistent. If demand is increased to a point where adequate treatment is not being achieved, or if groundwater quality changes, there is a dedicated space within the treatment plant to integrate an additional chlorination device for disinfection.

### 3.3 Local Government Act 2002

Being a private water supply network, the Local Government Act 2002 does not apply to this site. Instead, The Operator is required to organise frequent operations and maintenance duties to upkeep and monitor the system, as described in the following section.





## 4 Operations and Maintenance

### 4.1 The Operators operations and maintenance obligations

The Operator shall operate and maintain the water bore, pumps, treatment shed, storage tanks and reticulation network up to the property boundary of the User's lots.

The Operator may appoint a suitably qualified person to perform operations and maintenance services. This person may be a third party individual or company who has the appropriate skills and qualifications. The Operator shall not permit unskilled, unqualified, or unauthorised personnel to perform operations and maintenance services.

The Operator may appoint a suitably qualified engineer, or water technician, or other professional, to provide advice and administrative services.

The Operator shall seek the advice and heed any advice given by Local Authorities, Regional Authorities and Central Government Authorities.

### 4.2 Level of Service

The Operator shall provide potable water of a **quality** that:

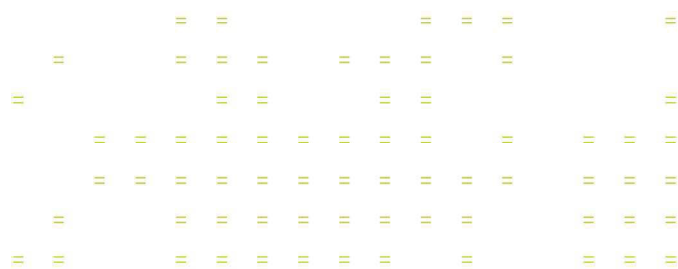
- meets the New Zealand Drinking Water Standards
- is substantially taste, odour and colour free
- meets the requirements of Local, Regional and Central authorities

The Operator shall provide potable water of a **quantity** that:

- is (more or less) 2,000 Litres per day
- is available every day
- is not interrupted for more than 24 hours at any time, including emergencies
- is not interrupted for more than 8 hours without prior notice to all Users for any planned maintenance
- is not interrupted for more than 2 hours (without notice)
- is interrupted as few times as practically possible

The Operator may agree to increase the daily allowance to any User provided:

- the increased allowance(s) will not result in exceedance of the permitted limits of the water take consent
- the increased allowance is within the capacity of the treatment and storage facilities
- the increased allowance is within the capacity of the reticulated network
- the supply remains restricted (i.e. does not become an on-demand supply)
- the provision of increased allowance shall not compromise the ability of the system to deliver the specified allowance to all other Users
- the increased allowance may be to one, some or all Users
- The Operator retains the right to reduce the allowance to 2,000L at any time
- the User meets the pro-rata costs of the additional supplied quantity



### 4.3 Testing

The Operator shall provide the following water quality testing:

**MONTHLY:**

- Faecal coliforms
- Total coliforms
- Turbidity (on-site)

The Operator shall increase the above testing to **daily** whenever a non-compliant test is provided, until no less than 3 consecutive compliant tests are received, and then **weekly** until no less than 4 consecutive weekly compliant tests are received, and then return to normal **monthly** testing. Refer to section 5 for further details.

**QUARTERLY:**

- Nitrates

The Operator shall increase the above quarterly testing to **daily** whenever an exceedance test result occurs, until no less than 3 consecutive compliant tests are received, and then **weekly** until no less than 4 consecutive compliant weekly tests are received, and then return to normal **quarterly** testing

**ANNUALLY:**

The Operator shall test annually for a full suite of drinking water parameters.

If any parameter is outside guideline values, then seek advice of KDC

**OTHER:**

The Operator shall also provide regular water quality testing should they become a parameter of concern. The type and frequency of the testing shall be based on advice from suitably qualified and experienced personnel, and/or authority.

### 4.4 Inspections

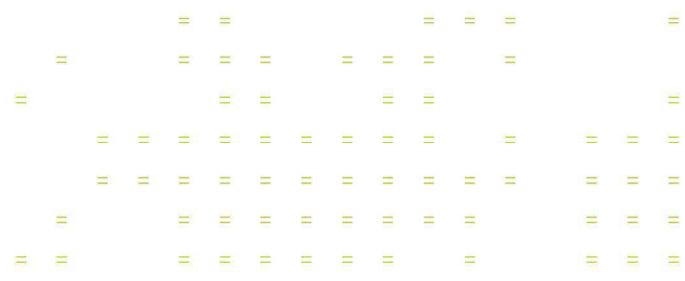
The Operator shall provide the following system inspections:

**MONTHLY:**

- Bore/Well head condition including surface water intrusion prevention
- Pump condition and run hours
- Fencing to exclude livestock and personnel
- Treatment Plant shed condition
- Treatment system condition
- Treatment system spare parts inventory
- Turbidity (measured on-site)
- Flow records

**ANNUALLY:**

- Entire system for leaks
- Entire system for maintenance requirements

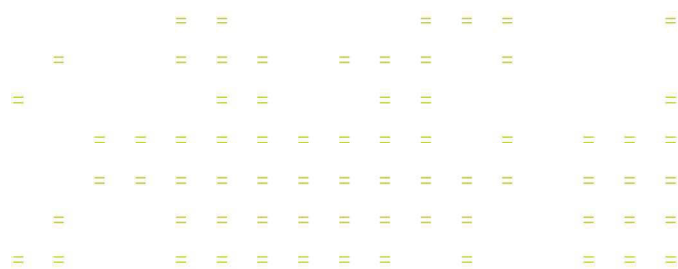


- RPZ backflow preventer at Wastewater Treatment Plant testing

#### 4.5 Record Keeping

The Operator shall keep a record of all operations and maintenance works including, but not limited to the following:

- All regular inspections and testing
- Internal monitoring records (e.g. Turbidity)
- External testing records
- All Maintenance repairs
- Flow records
- All costs (either internal or external)



## 5 Significant Events

The following shall be deemed as significant events and shall be actioned, as a minimum, as set out below:

### 5.1 Presence of E Coli:

**If E Coli is detected at or above 1 MPN/100 mL** in any test, then the following shall occur immediately without any delay:

- Issue a Boil Water Notice to all Users
- Advise KDC and Public Health Officer and any other authority, and take any advice issued by them
- Cease distribution of water immediately
- Provide additional E Coli and Total Coliforms testing at:
  - Centralised storage tank
  - User storage tanks

AND

- Seek advice regarding short term chlorination, with consideration to chlorinate:
  - Centralised storage tank
  - User storage tanks
  - Piped reticulation network

AND

- Identify and eliminate the source of contamination

AND

- Increase testing frequency to daily until no less than 3 consecutive daily tests at source and centralised storage tank are below guidelines
- Then test weekly until no less than 4 weekly tests are below guidelines, and advise Users that boiling water is optional, but recommended unless alternative point of use treatment is present
- Then return to regular testing schedule and advise Users that the Boil Water Notice is lifted

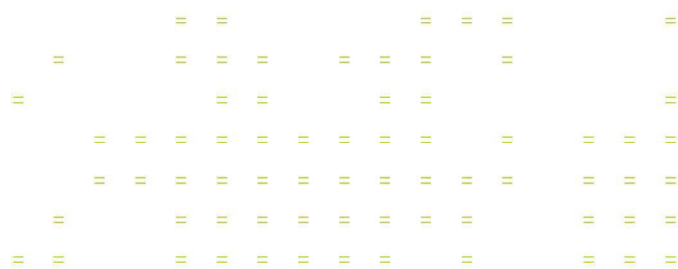
AND

- Consider flushing the system as necessary to ensure that either all contaminated water is displaced or so that chlorinated water capable of treating E Coli is present in the entire network

### 5.2 High Turbidity:

**If high turbidity is identified** either via regular monitoring, or via User complaint

- Undertake daily sampling for E coli and Total Coliforms and initiate actions above if transgressions identified, maintain daily sampling for E. coli and Total Coliforms until on-site turbidity results return to normal
- Consider issuing a Boil Water Notice



- Investigate and resolve possible causes or high turbidity, such as, but not limited to:
  - Groundwater disturbances
  - Security of Bore head
  - Pipe failure/break
  - Filter failure
  - User private system failure
- If source cannot be identified and solved within one day advise all Users and consider implementation of additional filtering at the water treatment plant and notify KDC Public Health Officer and seek advice
- Consider treatment with chlorine to mitigate the raised risk of other contaminants being present in high turbidity water, noting that UV treatment may not be effective in turbid water.

### 5.3 High Nitrates:

#### **If high Nitrate is identified**

- Investigate actual or potential sources of Nitrates, including, but not limited to:
  - Nitrates in groundwater due to upgradient activities/discharges
  - Nitrates entering at bore/well head
  - Nitrates entering groundwater from another nearby bore
- If Nitrates are higher than 50% of the MAV then advise all Users that the transgression limit being 50% of the MAV, has been reached
- If Nitrates are higher than the MAV immediate advise all Users immediately, making it clear that boiling, filtering and other commonly utilised treatment options do not reduce Nitrate and that alternative water should be considered for drinking until the issue is resolved.

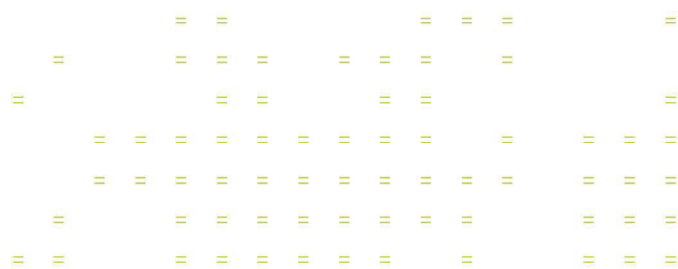
Increase testing to daily until 3 consecutive tests below the breached limit have been achieved, then test weekly until 4 weekly tests below the breached limit have been achieved.

### 5.4 Inadequate supply volume or flows:

If the system is unable to supply either the peak demand or the daily allowance volume of all Users, investigate the cause, including, but not limited to:

- Users exceeding demand
- Flow restrictor not passing specified flows
- Leak or blockage in reticulation network (including accidentally closed valves)
- Pump failure
- Treatment facility failure or blockage
- Groundwater depletion
- Flow meter error
- Overallocation due to increased daily limits (in which case limits shall be reduced to the default 2,000 L/day for all Users)





If the cause cannot be identified and resolved promptly (i.e. within one day or before storage is depleted) consider augmenting volumes via tanker to ensure Users have access to adequate quantity for hygiene purposes, noting that this may temporarily be less than 2,000 L/day.

Fix the cause within one working day, or if repair within one working day is not possible, advise all Users to conserve water via a Water Conservation Notice.

## 5.5 Natural Disaster:

### If any of the following Natural Disaster Occurs:

- Flooding or heavy rain (even if flooding is not noted) which may result in water ponding on the surface such that it could enter the well head
- Earthquake exceeding Magnitude 5, or Earthquake that causes any notable damage in the area
- Drought
- Any other disaster that could affect the quantity or quality of the water supply

The Operator shall:

- Carry out all monthly, quarterly, and annual checks, irrespective of when those checks were last conducted
- Test all components in the supply, treatment, and storage facilities as well as reticulation network
- Monitor for excessive demand/flows (which may be an indicator of a leak)
- Consider issuing a Water Conservation Notice
- Consider issuing a Boil Water Notice
- Consider providing Chlorine Treatment
- Carry out **daily** E. coli, Total Coliform, Turbidity and Nitrate testing until 3 consecutive test results are achieved then revert to **weekly** testing until 4 consecutive weekly pass results are achieved then revert to regular testing
- Consider flushing the network

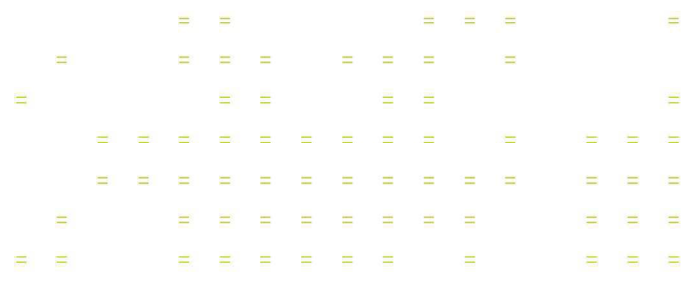
## 5.6 Drought Management

A maximum extraction rate of 2 m<sup>3</sup> per day per lot is proposed for this development of 18 residential and 51 industrial lots to limit use at all times. In the case of a drought, occupants of the lots (residential and industrial) are to limit their water use to essential appliances only and be informed of water conservation methods to implement when using these appliances. Within the industrial lots, job-specific processes may be revised or be put on a temporary hold for the duration of the drought.

## 5.7 Alternative Sources

There is an active well to the north of the development site which has been consented under the same owners as the proposed well. Well 031/0323 is currently consented to take groundwater at a maximum rate of 15 L/s, and not exceed 14,256 m<sup>3</sup> in any 12-day period. This well is the nearest alternative source to supply the site with water with a current groundwater extraction consent.

Water from this well would be required to be pumped to the treatment station before distribution to the subdivision.



## 6 Operations and Maintenance Costs

### 6.1 Operations and Maintenance fund

The Operator has the right to charge Users an operations and maintenance fund fee. The fee shall allow for all reasonable operations and maintenance costs such as, but not limited to:

- Operator personnel for testing and maintenance
- Third party testing costs
- Third party consultancy costs
- UV lamp replacement
- Planned or reactive treatment plant component replacement or repair
- Pump repair, replacement, or upgrade
- Pipe network reactive maintenance
- End of asset life replacement of any component in the system
- Upgrade of the system to meet demand, treatment, or distribution requirement
- Increased system storage (tanks) to meet demands

The fee shall be set annually and charged monthly, quarterly, or annually (at The Operators' discretion) and shall be set as close as practical to provide adequate funds to allow for reasonable operations and maintenance costs.

Where the fee is based on unknown costs (i.e. the first few years of operation), the fee shall be, as much as practically possible, in line with the fees for other water networks, such as Fernleigh water supply.

The fee may be increased over and above day to day operational costs in order to accumulate funds to accommodate a projected significant cost (e.g. significant repair, significant replacement or upgrade). The fee may be collected in advance of expenses being incurred, particularly for end-of-life replacement, or system upgrades.

The fee shall not be set to achieve a profit for The Operator.

The Operator shall provide to all Users an annual balance sheet showing all costs and end of year balance.

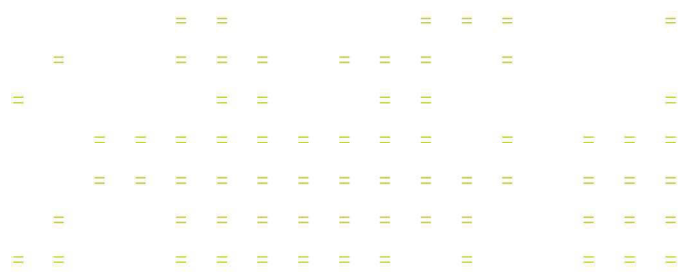
The fee charged to each individual User shall be the fractional share of the total cost divided by the number of Users. For example, if there are 69 Users, each User shall pay a 1/69<sup>th</sup> share of the total fee to be collected for the year. Users shall not be entitled to reduced fees on account of their usage being less than the allocation.

When a User sells their lot, they shall not be entitled to a return of any funds they have paid to The Operator, any fees paid in advance shall be retained in the fund.

The Operator shall not require any new owner to pay any fees in arrears from a former owner of a property.

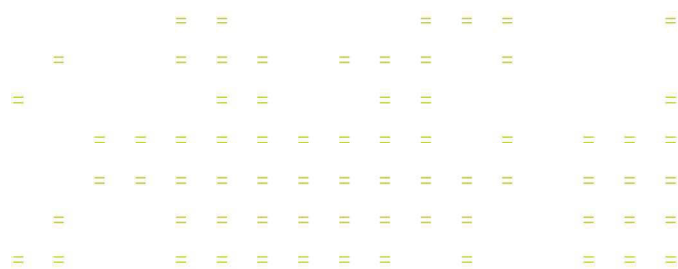
The Operator has the right to claim costs associated with collecting fees, including late fees and has the right to refer unpaid debts to a debt collection agency and the cost of all debt collection shall be borne by the individual User.

The Operator may **not** under any circumstances disconnect or further restrict the supply of any User for any reason, including for the non-payment of fees.



6.2 User obligation to pay

Users shall not withhold payment of fees for any reason, including, but not limited to non-supply, significant event causing loss of supply or supply quality, or any other inadequacy of the supply.



## 7 User Obligations

### 7.1 On-site storage

Each User shall provide on-site storage of at least 2,000 Litres for their own potable supply. Users must install and maintain the on-site supply via building consent and with suitably qualified personnel.

Users shall not allow any water from the on-site storage to back-flow into the reticulated network. This shall be achieved by an air-gap between the inlet pipe and the maximum water level in the storage tank.

### 7.2 Roof water collection

Users are encouraged to collect and store roof water for fire-fighting and/or irrigation purposes.

If Users do collect roof water care shall be taken to avoid cross contamination of the (potable) reticulated supply with roof water (which may not necessarily be potable).

### 7.3 On-site firefighting storage

Each User shall provide on-site fire-fighting storage that meet or exceed all of the following requirements:

- The requirements of the consent notice on the certificate of title regarding fire-fighting storage
- The requirements of Fire and Emergency New Zealand (FENZ)
- Avoid fouling or rancidity of the water in the storage tank
- Avoid consumption or use of fire-fighting water for any other use that might deplete the volume below the specified minimum
- Any requirements set out by any authority or body
- Any requirements specified by The Operator
- Not allow any water from the on-site storage to back-flow into the reticulated network. This shall be achieved by an air-gap between the inlet pipe and the maximum water level in the storage tank.

### 7.4 Compliance with Boil Water Notices and Water Conservation Notices

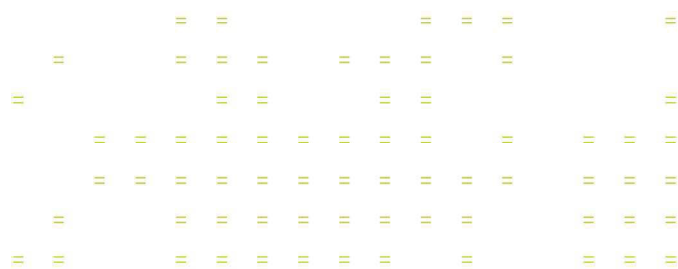
Users shall provide the Operator with contact details for the purpose of issuing Boil Water Notices and/or Water Conservation Notices. It is the responsibility of the User to ensure that The Operator has correct and up to date contact information.

If the Operator issues a Boil Water Notice the User shall heed that advice and boil (or provide adequate treatment by other reliable means) until that notice is lifted. During a boil water notice period the User shall seek to minimise their use so as to minimise strain on the system.

If The Operator issues a Water Conservation Notice the User shall immediately reduce use to the minimum necessary to achieve personal hygiene and well-being of all persons at the Users address. This includes ensuring animals have access to water.

During a Water Conservation Notice Users shall **NOT**:

- Irrigate any lawn or garden with water supplied by the Operator, regardless of whether it is already stored on site
- Wash vehicles

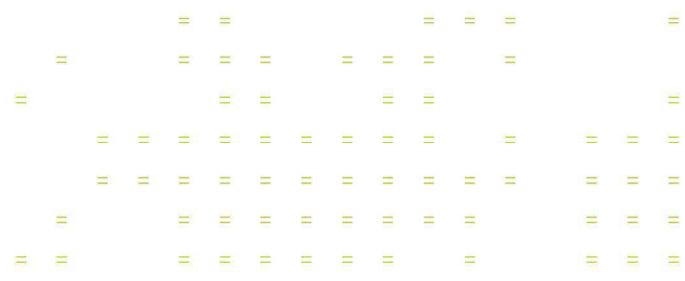


- Fill pools, hot tubs, ponds, and the like
- Wastewater in an way
- User water in any fashion that is not necessary for the hygiene and health of persons or animals at the address

## 7.5 Prohibited activities

Users shall **not**:

- Allow any on-site plumbing leak to continue any longer than necessary to procure the components and personnel required to repair that leak
- Modify, replace, tamper with, bypass or remove the flow restriction device
- Make any additional connections to the water supply main
- Make any cross-boundary connection with any neighbour, except for the sharing of firefighting storage, provided that sharing of fire fighting storage is permitted by a Building Consent and FENZ, and an appropriate easement is in place
- Make any connection between the supply provided by The Operator and any other supply (eg on-site bore or neighbouring supply)
- Provide any connection direct into any tank or other body of water (eg pool, spa, livestock trough) without an air-gap at the inlet to the body of water
- Conduct any commercial or industrial type activity on-site without providing appropriate backflow prevention
- Conduct any other activity that might in any way compromise the quality of the potable water supply
- Consume more than the daily allowance, unless that consumption is provided via a buffer tank on site
- Discharge, or permit a discharge to the Users land anything that may contaminate the groundwater from which the supply is taken (refer to ECan drinking water protection zones)
- Receive, store or dispose of any contaminated or potentially contaminated material on the Users land
- Allow any water from the on-site storage tanks(s) or any other water body (such as pools, ponds, and the line) to back-flow into the reticulated network. This shall be achieved by an air-gap between the inlet pipe and the maximum water level in the storage tank/pool/pond.
- Waste any water



## 8 Future Commercial Development

### 8.1 User Acknowledgement

Users acknowledge that the water supply system is anticipated to be upgraded in the future to meet the requirements of the proposed commercial development adjacent to the lifestyle blocks.

A separate Water Management Plan shall be prepared for the Commercial Users if required.

### 8.2 Upgrade costs

No cost associated with the upgrade or expansion of the bore, pump, treatment, storage, or reticulation for the purposes of the Commercial development shall result in an increase in the costs borne by the residential Users. That is, all additional costs associated with the commercial development shall be borne by the Users of the commercial development.

Where the expansion of the system results in an economy of scale that results in the reduction in per User cost then that reduction shall be reflected in the User fees for residential Users.

### 8.3 Upgrade effects

The upgrade shall not reduce the quality or quantity of water supplied to residential Users. With the exception that if a residential User has an increased daily allowance (above 2,000 L) that may be reduced back to 2,000 L if necessary to ensure the total water consumed by all Users (including commercial Users) shall not exceed the consented limits.

Users shall not expect the future commercial development to provide an on-demand supply to the residential zone, nor shall it be expected to provide on-demand firefighting supply to the residential zone.

## Exercising of Resource Consent CRC240909

**It is important that you notify Environment Canterbury when you first start using your consent.**

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<b>GRANTED TO:</b>	Kaikoura Business Park 2021 Limited
<b>A WATER PERMIT (S14):</b>	To take and use groundwater.
<b>LOCATION:</b>	Inland Kaikōura Road, Peketa

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Even if the consent is replacing a previous consent for the same activity, you need to complete and return this page.

A consent can only be made active after the activity has commenced and all pre-requisite conditions have been fulfilled e.g. installation of water meter and/or fish screen. If you require further advice, please contact our Advisory Team on 0800 324 636 or by email at [ecinfo@ecan.govt.nz](mailto:ecinfo@ecan.govt.nz).

Providing this information will:

- Validate your consent through to its expiry date
- Minimise compliance monitoring charges
- Help provide an accurate picture of the state of the environment.

**If consent CRC240909 is not used before 19 December 2026 this consent will lapse and no longer be valid.**

### Declaration:

I have started using this resource consent.

**Action taken** (e.g. pasture irrigated, discharge from septic tank/boiler/spray booth etc):

**Date I started using this resource consent** (Note: this date cannot be in the future): \_\_\_\_\_

**Signed:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Full name of person signing** (please print): \_\_\_\_\_

**Please return to:**

**Environment Canterbury**  
PO Box 345  
Christchurch 8140

**Fax:** (03) 365 3194  
**Email:** [ecinfo@ecan.govt.nz](mailto:ecinfo@ecan.govt.nz)

**File:** CRC240909  
**Customer No:** EC408730