

Record Number: CRC150944
Record Type: Full Transfer
Permit Type: Water Permit
Record Holder: Band 4 Water Limited
Record Status: Issued - Active
File Number: CRC150944
Previous Record(s): CRC051803.5
Next Record(s):
Location: Rakaia River, BETWEEN GLENROY
Description: AND TE PIRITA
 To take and use water.



Customer Services
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Key Dates:

| Event | Date |
|-----------------|-------------|
| Transfer Date | 09 Jul 2014 |
| Given Effect To | 18 Oct 2005 |
| Lapses | 30 Sep 2010 |
| Expires | 02 Aug 2040 |

Workflow (Only shows if workflow has open tasks):

| Task Name | Task Status | Task Status Date |
|-----------|-------------|------------------|
|-----------|-------------|------------------|

Conditions:

| No | Text | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------|--|-------|------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|
| 1 | Water shall only be taken via an infiltration gallery, approximately two metres deep below the water table and 1,000 metres long, located at or about map reference NZMS 260 L36:119-346, as shown on Figure 1 point B attached to this consent, at a rate not exceeding 1,400 litres per second. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | DELETED | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Flow restrictions for the Rakaia take: <ol style="list-style-type: none"> a. The following minimum flow will apply to the abstraction of 1,226 L/s of Band 4 water: Whenever the flow (expressed in cubic metres per second) in the Rakaia River, as estimated by the Canterbury Regional Council from measurements at either the gorge recorder site (at or about map reference NZMS 260 K35:015-424) or the recorder site at Fighting Hill (at or about map reference NZMS 260 K35:997-437) falls below the following flows, the taking of water in terms of this permit shall cease: <table border="1" data-bbox="188 1621 655 2085"> <thead> <tr> <th>Month</th> <th>Flow</th> </tr> </thead> <tbody> <tr><td>JAN</td><td>150.5</td></tr> <tr><td>FEB</td><td>134.5</td></tr> <tr><td>MAR</td><td>131.5</td></tr> <tr><td>APR</td><td>123.5</td></tr> <tr><td>MAY</td><td>121.5</td></tr> <tr><td>JUN</td><td>122.5</td></tr> <tr><td>JUL</td><td>117.5</td></tr> <tr><td>AUG</td><td>118.5</td></tr> <tr><td>SEP</td><td>116.5</td></tr> <tr><td>OCT</td><td>132.5</td></tr> <tr><td>NOV</td><td>155.5</td></tr> <tr><td>DEC</td><td>165.5</td></tr> </tbody> </table> | Month | Flow | JAN | 150.5 | FEB | 134.5 | MAR | 131.5 | APR | 123.5 | MAY | 121.5 | JUN | 122.5 | JUL | 117.5 | AUG | 118.5 | SEP | 116.5 | OCT | 132.5 | NOV | 155.5 | DEC | 165.5 |
| Month | Flow | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JAN | 150.5 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FEB | 134.5 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MAR | 131.5 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| APR | 123.5 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MAY | 121.5 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JUN | 122.5 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JUL | 117.5 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AUG | 118.5 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SEP | 116.5 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OCT | 132.5 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NOV | 155.5 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEC | 165.5 | | | | | | | | | | | | | | | | | | | | | | | | | | |

b. The following minimum flow will apply to the abstraction of 174 L/s of Band 5 water:
Whenever the flow (expressed in cubic metres per second) in the Rakaia River, as estimated by the Canterbury Regional Council from measurements at either the gorge recorder site (at or about map reference NZMS 260 K35:015-424) or the recorder site at Fighting Hill (at or about map reference NZMS 260 K35:997-437) falls below the following flows, the taking of water in terms of this permit shall cease

| Month | Flow |
|-------|-------|
| JAN | 184.8 |
| FEB | 168.8 |
| MAR | 165.8 |
| APR | 157.8 |
| MAY | 155.8 |
| JUN | 156.8 |
| JUL | 151.8 |
| AUG | 152.8 |
| SEP | 150.8 |
| OCT | 166.8 |
| NOV | 189.8 |
| DEC | 199.8 |

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a. The following sharing restriction shall apply to the abstraction of Band 4 water:
Whenever the flow (expressed in cubic metres per second) in the Rakaia River, as estimated by the Canterbury Regional Council from measurements at either the gorge recorder site (at or about map reference NZMS 260 K35:015-424) or the recorder site at Fighting Hill (at or about map reference NZMS 260 K35:997-437) falls below the flows shown on the horizontal axis of the annexed graph CRC051803.4A – Band 4, then the rate of abstraction permitted in terms of this permit shall not exceed that shown as corresponding on the vertical axis of the annexed graph CRC051803.4A – Band 4.

b. The following sharing restriction shall apply to the abstraction of Band 5 water:
Whenever the flow (expressed in cubic metres per second) in the Rakaia River, as estimated by the Canterbury Regional Council from measurements at either the gorge recorder site (at or about map reference NZMS 260 K35:015-424) or the recorder site at Fighting Hill (at or about map reference NZMS 260 K35:997-437) falls below the flows shown on the horizontal axis of the annexed graph CRC051803.4B – Band 5, then the rate of abstraction permitted in terms of this permit shall not exceed that shown as corresponding on the vertical axis of the annexed graph CRC051803.4B – Band 5.

PROVIDED THAT whenever the Canterbury Regional Council, in consultation with a Water Users Group involving two or more consent holders who have determined upon a sharing regime which complies with the National Water Conservation (Rakaia River) Order 1988, and

- i. All consent holders in the Water User Group are recording their rate and volume of water abstraction by tamper-proof electronic recording systems such that the abstraction rate of water is measured at least once every 15 minutes, and a record is made at a remote location via telemetry of the recorded abstraction rate and volume; and
- ii. The recorded data shall not be changed or deleted by any person, unless twelve months have passed since the date of recording; and
- iii. The measuring and recording devices shall be available for inspection at all times by the Canterbury Regional Council subject to providing adequate protection against vandalism which may require the consent holder's assistance on site to unlock or remove barriers.
- iv. All data from the recording devices shall be provided to the Canterbury

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| | <p>Regional Council on request.</p> <p>v. Four months after the commencement of the Water User Group sharing and during every second year of Water User Group sharing thereafter, the consent holder shall provide a certificate to the Canterbury Regional Council Attention: RMA Compliance and Enforcement Manager, signed by a suitably qualified person certifying the accuracy of the measuring and recording devices;</p> <p>Then the taking of water in accordance with that determination shall be deemed to be in compliance with all parts of conditions 3. and 4. of this consent.</p> |
| 5 | <p>Notwithstanding conditions 3. and 4., Stored Water (as defined in the amended National Water Conservation (Rakaia River) Order 1988) may be taken or diverted provided that:</p> <ol style="list-style-type: none"> a. The consent holder is listed on the Register (as defined in the amended National Water Conservation (Rakaia River) Order 1988). b. The consent holder complies with any conditions imposed as a condition to being listed on the Register. c. No Stored Water shall be taken, unless the consent holder has requested the release of Stored Water so taken and the holder of the resource consents for the Coleridge Hydroelectric Power Station has subsequently released that Stored Water. d. The total taking or diversion of Stored Water does not exceed the maximum abstraction rate for that consent holder recorded on the Register. e. The total abstraction of water (including Stored Water) does not exceed that set out in conditions 1., 12. and 18.. |
| 6 | <p>Water taken under this consent may be dammed and shall be used only for the irrigation of crops and pasture for grazing any livestock on the area of land shown in the attached plan entitled "Irrigation Area for consent CRC051803".</p> |
| 7 | <p>The taking of water in terms of this permit shall cease for a period of up to 48 hours on notice from the Canterbury Regional Council, to allow measurement of the flow in the Rakaia River.</p> |
| 8 | <p>Within 24 hours of the infiltration gallery becoming damaged or infiltration pipes being exposed to free flowing surface water the consent holder shall cease taking water and notify the Canterbury Regional Council, Attention: Manager, RMA Compliance, of the situation and of any remedial measures including fish salvage to be implemented. The taking of water shall not recommence until the effectiveness of the gallery has been restored, to ensure that fish do not have access to the infiltration gallery.</p> |
| 9 | <ol style="list-style-type: none"> a. The consent holder shall, prior to any water being taken, install, or provide for the installation of: <ol style="list-style-type: none"> i. an easily accessible straight pipe, of a length at least 15 times the diameter of the pipe, and measuring device such as a water meter with pulse output which will measure the rate and volume at which water is taken to within an accuracy of plus or minus five percent, as part of the pump outlet plumbing, or within the mainline distribution system, at a location that will ensure the total take of water is measured; and ii. a tamper-proof electronic recording device such as a data logger with the capacity to hold at least one season's data of water taken, as specified in clauses c.i., and which is telemetered, as specified in clause c.ii. b. <ol style="list-style-type: none"> i. the measuring devices shall be used to continuously measure the volume of water abstracted in accordance with condition 1; and ii. the recording device installed in accordance with clause a.ii shall be used to continuously record the volume abstracted and hours of operation. Each pulse or event from the measuring device shall be |

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| | <p>time stamped in the recording device at no greater than 15 minute intervals.</p> <ul style="list-style-type: none"> c. While complying with clause a.ii., the recording device shall: <ul style="list-style-type: none"> i. store the entire season's data in each 12 month period from 1 July to 30 June in the following year, which the consent holder shall then download and store in a commonly used format and provide to the Canterbury Regional Council upon request in a form and to a standard specified in writing by the Canterbury Regional Council; and ii. shall be connected to a telemetry system which collects and stores all of the data continuously with an independent network provider who will make that data available in a commonly used format at all times to the Canterbury Regional Council and the consent holder. d. No data in the recording device shall be deliberately changed or deleted. e. The measuring and recording devices shall be accessible to the Canterbury Regional Council at all times for inspection and/or data retrieval. f. The measuring and recording devices shall be installed and maintained throughout the duration of the consent in accordance with the manufacturer's instructions, if any. g. Within one month of the installation of the measuring or recording devices or any subsequent replacement measuring or recording devices, and at five-yearly intervals thereafter, and at any time when requested by the Canterbury Regional Council, the consent holder shall provide a certificate to the Canterbury Regional Council, to the attention of the RMA Compliance & Enforcement Section, signed by a suitably qualified person certifying: <ul style="list-style-type: none"> i. the accuracy of the measuring and recording devices installed in accordance with clause a; and ii. that data from the recording device(s) can be readily accessed and/or retrieved in accordance with clauses c and d. h. All practicable measures shall be taken to ensure that the water measuring and recording devices are fully functional at all times. |
| 10 | <p>The consent holder shall supply the Canterbury Regional Council by 30 July each year;</p> <ul style="list-style-type: none"> a. an analysis of water used and land area irrigated for the previous irrigation season including the peak volume of water applied to each property over that season; and b. a plan showing the land that will be irrigated in the forthcoming irrigation season. |
| 11 | <p>Water shall not be applied to the land at a rate exceeding 0.6 litres per second per hectare.</p> |
| 12 | <p>Water shall not be used to irrigate any area of land shown in the attached plan "Irrigation Area for consent CRC051803" at the same time that another consent to take and use water for irrigation of the same area of land is being exercised.</p> |
| 13 | <p>Water shall be taken via an infiltration trench, which may be supplemented by the use of a buried gallery structure or gabion baskets which shall be utilised in a manner that prevents fish entering the water race system.</p> |
| 14 | <p>The consent holder shall take all practicable steps to:</p> <ul style="list-style-type: none"> a. ensure that the volume of water used for irrigation does not exceed that required for the soil to reach field capacity; and b. avoid leakage from pipes and structures; and c. avoid the use of water onto non-productive land such as impermeable surfaces and river or stream riparian strips |
| 15 | <ul style="list-style-type: none"> a. The irrigation system used in associated with taking water from the infiltration trench shall not be used to distribute any added contaminant, unless a |

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| | <p>reduced pressure zone backflow preventer is installed within the pump outlet plumbing or within the mainline to prevent the backflow of water into the bore.</p> <p>b. The backflow preventer shall be tested within one month of its installation and annually thereafter by a suitably qualified person. A test report shall be provided to the Canterbury Regional Council within two weeks of each inspection.</p> |
| 16 | <p>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 and which it is appropriate to deal with at a later stage.</p> |
| 17 | <p>The lapsing date for the purposes of section 125 shall be 30 September 2010.</p> |
| 18 | <p>The volume of abstraction shall not exceed 120,960 cubic metres in any 24 hours period.</p> |
| 19 | <p>The period of abstraction shall be the months September to May inclusive.</p> |