

Record Number: CRC150940
Record Type: Full Transfer
Permit Type: Water Permit
Record Holder: Band 4 Water Limited
Record Status: Issued - Active
File Number: CRC150940
Previous Record(s): CRC051415.3
Next Record(s):
Location: Rakaia Terrace Road, GLENROY
Description: To take and use water.



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Key Dates:

Event	Date
Transfer Date	09 Jul 2014
Given Effect To	13 Jan 2009
Lapses	31 Mar 2010
Expires	11 Mar 2040

Workflow (Only shows if workflow has open tasks):

Task Name	Task Status	Task Status Date
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Conditions:

No	Text																								
1	a. Water shall only be taken from the Rakaia River, at or about map reference NZMS 260 L36: 138-329. b. Water shall be taken at a rate not exceeding 200 litres per second with a volume not exceeding 2,250,000 cubic metres between 1st July and the following 30th June.																								
2	DELETED																								
3	Flow restrictions for the Rakaia take: <ul style="list-style-type: none"> a. The following minimum flow will apply to the abstraction of 175 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" style="margin-left: 20px;"> <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> </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
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DEC	165.5
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- b. The following minimum flow will apply to the abstraction of 25 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 CRC051415.2A – 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 CRC051415.2A – 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 CRC051415.2B – 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 CRC051415.2B – 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 Regional Council on request.

	<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"> The consent holder is listed on the Register (as defined in the amended National Water Conservation (Rakaia River) Order 1988). The consent holder complies with any conditions imposed as a condition to being listed on the Register. No Stored Water shall be taken, unless the consent holder has requested the release of Stored Water and the holder of the resource consents for the Coleridge Hydroelectric Power Station has subsequently released that Stored Water. The total taking or diversion of Stored Water does not exceed the maximum abstraction rate for that consent holder recorded on the Register. The total abstraction of water (including Stored Water) does not exceed that set out in condition 1.
6	<ol style="list-style-type: none"> Water shall be used only for irrigation of crops and pasture (including milking dairy pasture), on the 985 hectares of land shaded in attached plan CRC051415. Water shall only be used to irrigate up to 750 hectares at any one time.
7	<ol style="list-style-type: none"> Water shall only be taken when a fish screen with a mesh size or slot width not exceeding five millimetres is operated and maintained across the intake to ensure that fish and fish fry are prevented from passing through the intake; and The fish screen shall be positioned to ensure that there is unimpeded fish passage to the Rakaia River, to avoid the entrapment of fish at the point of abstraction.
8	<p>The consent holder shall take all practicable steps to:</p> <ol style="list-style-type: none"> ensure that the volume of water used for irrigation does not exceed that required for the soil to reach field capacity; and avoid leakage from pipes and structures; and avoid the use of water onto non-productive land such as impermeable surfaces and river or stream riparian strips.
9	<ol style="list-style-type: none"> The irrigation system used in association with taking water from the stockwater headrace shall not be used to distribute effluent, fertiliser or any other added contaminant, unless a 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. 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.
10	<p>The consent holder shall, within 12 months of the commencement of this consent, install, or provide for the installation of:</p> <ol style="list-style-type: none"> a. an easily accessible straight pipe, of a length at least 15 times the diameter of the pipe, or b. a water flow measurement device which will measure the rate at which water is taken to within an accuracy of plus or minus five percent, <p>as part of the pump outlet plumbing or within the mainline distribution system.</p>
11	<p>If required by notice in writing by the Canterbury Regional Council</p> <ol style="list-style-type: none"> a. a water flow measurement and recording device that will measure the volume at which water is taken (from which a rate of take can be determined), to within an accuracy of plus or minus five percent, shall be installed as part of the pump outlet plumbing or within the mainline distribution system; and b. the measuring device shall be used to continuously measure the taking of water. The rate at which water is abstracted, hours of operation and volume of water abstracted per day shall be recorded each day either electronically or in a log kept for that purpose stating the date and time of measurement. The measuring and recording device and the records of abstraction shall be available for inspection on request by the Canterbury Regional Council for at least 12 months from the date of recording; and c. the measuring and recording device shall be installed and maintained throughout the duration of the consent in accordance with the manufacturer's instructions, if any.
12	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.
13	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.
14	The lapsing date for the purposes of section 125 shall be 31 March 2010.
15	<ol style="list-style-type: none"> a. For each forthcoming year an approved method shall be used to derive a nitrate-nitrogen budget for the subject area: <ol style="list-style-type: none"> i. With the exception of the first year that this consent is exercised, the modelled leaching rate of nitrate-nitrogen to the soil below the plant root zone for the subject land over the preceding year will be determined. ii. Where the nitrate nitrogen exceeds eight grams per cubic metre, best management practices shall be implemented to reduce the loss of nitrate-nitrogen in the soil below the ground root zone. iii. The nitrate-nitrogen concentration in the soil below the ground root zone should not exceed 16 grams per cubic metre. If the nitrate-nitrogen in the soil below the ground root zone does exceed 16 grams per cubic meters of nitrate-nitrogen, the concentration shall be reduced to below 16 grams per cubic meters within three years. iv. A record of the calculation, including information used in the calculation, undertaken in accordance with condition 12.a., shall be: <ol style="list-style-type: none"> a. Prepared by 31 August each year; b. Certified as an accurate record by a person who can demonstrate competency in agricultural management; c. maintained for the property for the duration of the consent; and

	<ul style="list-style-type: none"> d. made available to the Canterbury Regional Council on request. b. For the purpose of this condition the subject land means that area that is actually irrigated. c. The consent holder shall each year implement, to the greatest extent practicable, the farming practices assumed for the purposes of preparing the nitrogen budget for that year. d. Prior to or at the conclusion of each irrigation season a groundwater sample is to be provided to the consent authority from shallowest bore on the property to which this consent applies, and analyzed for nitrate-nitrogen. The bores from which these samples are taken must have ceased pumping for at least two days prior to sampling. Sampling techniques shall accord with the procedures employed or approved by the consent authority at the time that the relevant sample is taken. e. For the purposes of this condition an 'approved method' is: <ul style="list-style-type: none"> i. 'Overseer' (AgResearch); or ii. The Soil Plant Atmosphere System Model (SPASMO – HortResearch); or iii. Such other method as may be approved following either an application to change this condition or a review undertaken by the Canterbury Regional Council.
16	<p>The Canterbury Regional Council may once per year, on any of the last five working days of June or October serve notice of its intention to review the conditions of consent for the purpose of:</p> <ul style="list-style-type: none"> a. Dealing with any adverse effect on the environment, which may arise from the exercise of this consent, which was not foreseen at the time of its grant and which therefore is more appropriate to deal with at a later stage. b. Reviewing the Approved Methodology in Condition 12 for determining nutrient-nitrate budget for the subject land.