

# Details for CRC184109

<b>RMA Authorisation Number</b>	CRC184109	<b>Client Name</b>	Central Plains Water Limited (CPWL)
<b>Consent Location</b>	Redmonds Road, KIMBERLY	<b>State</b>	Issued - Active
<b>To</b>	To take and use surface water from a gallery		
<b>Commencement Date</b>	05 Mar 2018		
<b>Expiry Date</b>	27 Nov 2019		

- 1
  - a. Water may be diverted at map reference NZMS 260 L35:3700-5530.
  - b. Water may be taken only from gallery L35/0978 at map reference NZMS 260 L35:3867-5408 and gallery L35/0580 at map reference NZMS 260 L35:3848-5403.
- 2
 

Water may be diverted and taken at a rate not exceeding 187 litres per second, with a volume not exceeding 16,157 cubic metres per day, and 1,506,250 cubic metres between 1st September and the following 31<sup>st</sup> May.
- 3
 

Water shall only be used for irrigation of crops and pasture for grazing stock, excluding milking dairy cows, as described in the application, on the area of land shown in attached plan CRC072416, which forms part of this consent.
- 4
 

Whenever the flow in the Waimakariri River, as estimated by the Canterbury Regional Council from measurements at the Old Highway Bridge, at or about map reference NZMS 260 M35:818-547, for any period ending at noon is:

  - a. Either:
    - i. 104,805 litres per second or greater; or
    - ii. equal to or greater than the sum of 63,000 litres per second plus the total abstractions authorised by permits which come within the category of "B" permits as defined by the Waimakariri River Regional Plan; or
    - iii. greater than 63,000 litres per second and less than 104,805 litres per second and all water permit holders who are subject to the same minimum flow restriction as is set out in (c), are adhering to a water sharing regime that restricts the total rate of abstraction from the Waimakariri River whenever the flow is at or above 63,000 litres per second;

then the rate of abstraction, during the next 24 hours, shall not exceed 187 litres per second, with a daily volume not exceeding 16,157 cubic metres per day and a total maximum volume not exceeding 1,506,250 cubic metres between 1<sup>st</sup> July and the following 30<sup>th</sup> June.
  - b. Greater than 63,000 litres per second and less than 104,805 litres per second, except where (a) (ii) or (iii) applies, the maximum rate of take during the next 24 hours shall be equal to the rate shown on the vertical axis on the attached graph that corresponds to that flow on the horizontal axis, by reference to the diagonal line.
  - c. At or less than 63,000 litres per second, no water shall be taken during the next 24 hours.
- 5

The consent holder shall, before the first exercise of this consent, install an easily accessible straight pipe(s), with no fittings or obstructions that may create turbulent flow conditions, of a length at least 15 times the diameter of the pipe, as part of the pump outlet plumbing or within the mainline distribution system.

- **6**

The consent holder shall before the first exercise of this consent:

- a.
  - i. install a water meter(s) that has an international accreditation or equivalent New Zealand calibration endorsement, and has pulse output, suitable for use with an electronic recording device, which will measure the rate and the volume of water 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(s) that will ensure the total take of water is measured; and
  - ii. install a tamper-proof electronic recording device such as a data logger(s) that shall time stamp a pulse from the flow meter at least once every 15 minutes, and have the capacity to hold at least one season's data of water taken as specified in clauses (b)(i) and (b)(ii), or which is telemetered, as specified in clause (b)(iii).
- b. The recording device(s) shall:
  - i. be set to wrap the data from the measuring device(s) such that the oldest data will be automatically overwritten by the newest data (i.e. cyclic recording); and
  - ii. 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; or
  - iii. 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. No data in the recording device(s) shall be deliberately changed or deleted.
- c. The water meter and recording device(s) shall be accessible to the Canterbury Regional Council at all times for inspection and/or data retrieval.
- d. The water meter and recording device(s) shall be installed and maintained throughout the duration of the consent in accordance with the manufacturer's instructions.
- e. All practicable measures shall be taken to ensure that the water meter and recording device(s) are fully functional at all times.

- **7**

The Canterbury Regional Council, Attention: RMA Compliance and Enforcement Manager, shall be informed immediately on first exercise of this consent by the consent holder.

- **8**

Within one month of the installation of the measuring or recording device(s), or any subsequent replacement measuring or recording device(s), 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, Attention: RMA Compliance and Enforcement Manager, signed by a suitably qualified person certifying, and demonstrating by means of a clear diagram, that:

- a. The measuring and recording device(s) has been installed in accordance with the manufacturer's specifications; and
- b. Data from the recording device(s) can be readily accessed and/or retrieved in accordance with clauses (b) and (c) of condition 6.

- **9**

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 natural groundwater levels.

- **10**
  - a. If the irrigation system used to distribute water taken in terms of this permit is used to distribute effluent, fertiliser or any other added contaminant, a backflow preventer manufactured in accordance with AS 2845.1 (1998) or the American Society of Sanitary Engineers standards shall be installed within the pump outlet plumbing or within the mainline, to prevent the backflow of water into the bore.
  - b. The backflow preventer shall be tested to the standard set out in AS 2845.3 (1993) or an equivalent method 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, Attention: RMA Compliance and Enforcement Manager, within two weeks of each inspection.
- **11**

The consent holder shall take all practicable steps to:

  - 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.
- **12**

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.
- **13**

The lapsing date for the purposes of section 125 shall be 31 December 2014.