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# RESOURCE CONSENT CRC184110

*Pursuant to Section 104 of the Resource Management Act 1991*

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

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GRANTS TO:	Central Plains Water Limited
A WATER PERMIT (S14):	To take and use groundwater
COMMENCEMENT DATE:	05 Mar 2018
EXPIRY DATE:	12 Aug 2033
LOCATION:	Bleakhouse Road, DARFIELD

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

- 1 Water may be taken only from bore L35/0580, 1200 millimetres diameter and 4.4 metres deep, at map reference L35:38482-54039.
- 2 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. 63,000 litres per second or greater; or
    - ii. equal to or greater than the sum of 41,000 litres per second plus the total abstractions authorised by permits which come within the category of "A" permits as defined by the Waimakariri River Regional Plan; or
    - iii. greater than 41,000 litres per second and less than 63,000 litres per second and all water permit holders who are subject to 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 41,000 litres per second;

Then the maximum rate at which water is taken from bore L35/0580, 6 metres diameter and 4 metres deep, and 20 metres long, during the next 24 hours, shall not exceed 109 litres per second, with a daily volume not exceeding 8,341 cubic metres per day and a total maximum volume not exceeding 133,215 cubic metres in the period of 15 consecutive days and 769,600 cubic metres between 1 July and the following 30 June.
  - b. Greater than 41,000 litres per second and less than 63,000 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 41,000 litres per second, then the maximum rate at which water is taken from bore L35/0580, 6 metres diameter and four metres deep, and 20 metres long, during the next 24 hours, shall not exceed 5.3 litres per second, with a volume not exceeding 439 cubic metres.

- 3 Water shall be used for:
- a. the irrigation of crops and pasture on the area labelled A, on attached Plan CRC131589; and
  - b. the irrigation of crops and pasture for grazing sheep and non-milking dairy on all other areas shown on attached Plan CRC131589, which forms part of this consent.
- 4 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.
- 5 If the irrigation system is used to distribute diluted effluent, fertiliser or added contaminants the consent holder shall 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 test report is provided to the Canterbury Regional Council Attention: RMA Compliance and Enforcement Manager within two weeks of each inspection.
- Advisory note: This condition does not authorise the distribution of effluent or fertiliser as this is subject to separate consent requirements pursuant to s15 of the RMA.
- 6 If required by notice in writing by the Canterbury Regional Council measurements of the rate of abstraction to within an accuracy of plus or minus five percent shall be taken for the period specified and the measurements of the hours of abstraction shall also be recorded. A copy of the records stating the date and time of measurement shall be provided to the Canterbury Regional Council in accordance with the requirement.
- 7 The consent holder shall, within 12 months of the commencement of this consent, install, or provide for the installation of:
- 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 ten percent;
- as part of the pump outlet plumbing or within the mainline distribution system.
- 8 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.
- 9 The consent holder shall within six months of the commencement 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 60 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); or
    - 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.

All practicable measures shall be taken to ensure that the water meter and recording device(s) are fully functional at all times.

- 10 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 (9).
- 11 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 Waimakariri River.

**Issued at Christchurch on 6 March 2018**

Canterbury Regional Council

# Plan CRC131589 - Westacre Farms Limited

A  
Scale 1 : 50000

Every new or altered plan must be made to match the current plan and any other plan that has been made to match the current plan. The information contained in this plan is for general information only and does not constitute a guarantee. The information contained in this plan is for general information only and does not constitute a guarantee. The information contained in this plan is for general information only and does not constitute a guarantee.

