

## Water Permit

**Under Section 104D** of the Resource Management Act 1991, a resource consent is granted by the Southland Regional Council to **Castlerock Farming Company of 72 Castlerock Road, RD2, Lumsden** from **1 April 2021**.

**Please read this Consent carefully, and ensure that any staff or contractors carrying out activities under this Consent on your behalf are aware of all the conditions of the Consent.**

### Details of Permit

Purpose for which permit is granted:	To take and use groundwater for the purpose of irrigation, dairy shed wash down and stock drinking water.
Location	- site locality 72 Castlerock Road, Lumsden - map reference NZTM2000 1242490E 4925077N NZTM2000 1241023e 4926655N NZTM2000 1242502E 4925081N - groundwater zone(s) Lumsden Aquifer - catchment Oreti River - well number CE10/0001, CE10/0002 & E44/0370 - Physiographic zone Oxidising, Gleyed, Riverine
Legal description of land at the site:	Lot 2 DP 3186 & Lots 3, 4 & 5 DP 636
Expiry date:	<b>1 April 2031</b>

### Schedule of Conditions

1. This consent shall not be exercised until Water Permit AUTH-20171428-02 is surrendered or has expired.
2. This permit is to be read and exercised in conjunction with Water Permit 301933 (or its replacement).
3. This permit authorises the taking of groundwater at the location specified above. The rate of abstraction shall not exceed:

- (a) 18.4 litres per second from bore CE10/0001;
  - (b) 12.2 litres per second from bore CE10/0002;
  - (c) 2 litres per second from bore E44/0370;
  - (d) 120 cubic metres per day combined total from all bores, except for as authorised under condition 3(e);
  - (e) 2, 644 cubic metres per day when abstraction under AUTH-301933 (or its replacement) is restricted under the Oreti River flow conditions of that resource consent; and
  - (f) 113, 754 cubic metres per year, except that:
    - i. The combined total volume of water abstracted under Water Permit 301933 (or its replacement) and this Water Permit (AUTH-20181676) shall not exceed 1,303,800 cubic metres per year.
4. (a) The consent holder shall notify the consent authority (email: [escompliance@govt.nz](mailto:escompliance@govt.nz)) each time abstraction under Condition 3(e) commences. The notification shall specify the consent number and state that the date that the higher abstraction rate commenced under Condition 3(e);
- (b) By 31 July each year the consent holder shall provide a written statement detailing the cumulative abstraction under this resource consent (AUTH-20181676) and Water Permit 301933 (or its replacement) for the previous 1 July to 30 June period to demonstrate compliance with Condition 3(f).
5. The abstraction under condition 3(e) shall not:
- (a) exceed 1,322 cubic metres of water per day when the potentiometric head in bore E44/0300 is at or below 202.5 metres above mean sea level;
  - (b) occur when potentiometric head in bore E44/0300 is at or below 201.5 metres above mean sea level.
6. Prior to the first exercise of this consent, the Consent Holder shall install a backflow prevention device or take other appropriate measures to ensure water and/or contaminants cannot return to the water source.
- 7.
- (a) Prior to the first exercise of this consent, the Consent Holder shall install a water meter to record the water takes, within an error accuracy range of +/-5% over the meter's nominal flow range, and datalogger with at least 24 months data storage capacity and a telemetry unit to record the rate and volume of take, and the date and time this water was taken. The Consent Holder shall forward a copy of the installation certificate to the Consent Authority within one month of installing the water meter and datalogger.
  - (b) The water meter shall be installed in a straight length of pipe, before any diversion of water occurs. The straight length of pipe shall be part of the pump outlet plumbing, easily accessible, have no fittings and obstructions in it. There shall be a straight length of pipe on either side of the water meter, on the upstream side there shall be a distance that is 10 times the diameter of the pipe and on the downstream side there shall be a distance of 5 times the diameter of the pipe.
  - (c) The Consent Holder shall ensure the full operation of the water meter and datalogger at all times during the exercise of this consent. All malfunctions of the water meter and/or datalogger during the exercise of this consent shall be reported to the Consent Authority within five working days of observation and appropriate repairs shall be performed within five working days. Once the malfunction has been remedied, a Water Measuring Device Verification Form completed with photographic evidence must be submitted to the Consent Authority within five working days of the completion of repairs.

- (d)
- (i) If a mechanical insert water meter is installed it shall be verified for accuracy each and every year from the first exercise of this consent.
  - (ii) Any electromagnetic or ultrasonic flow meter shall be verified for accuracy every five years from the first exercise of this consent.
  - (iii) Each verification shall be undertaken by a Consent Authority approved operator and a Water Measuring Device Verification Form shall be completed and supplied to the Consent Authority with receipts of service. These shall be supplied within five working days of the verification, and at any time upon request.

( e ) Each day from commencement of the abstraction the Consent Holder shall measure and record the rate of water taken at 15-minute intervals. The records for each day shall be provided to the Consent Authority by means of telemetry by the end of the following day. The Consent Holder shall ensure data is compatible with the Consent Authority's time-series database.

- 8. Prior to the exercise of this consent, the Consent Holder shall notify the Consent Authority of the person who is in charge of the operation this consent. If the person in charge changes during the term of this consent, the Consent Holder shall notify the Consent Authority of the new operator no later than five working days after that person takes responsibility.
- 9. Irrigation to land shall not occur when the moisture content of the soils is at or above field capacity, nor shall irrigation increase soil moisture above field capacity. The Consent Holder shall take all practicable steps to ensure that:
  - (a) there is no leakage from pipes and structures;
  - (b) the use of water is confined to targeted areas, as shown on the attached plan; and
  - (c) there is no run off of irrigation water in irrigated areas either on site or off site.
- 10. On-site soil moisture shall be monitored within the irrigation area as follows:
  - (a) A soil moisture measurement device or method of similar accuracy shall be installed and maintained within the irrigation area;
  - (b) Unless otherwise agreed by the compliance manager, the soil moisture data is to be recorded at 30minute intervals using an electronic datalogger system and this shall be provided to the Consent Authority at least once every three months;
  - (c) Soil moisture management detailed in condition 9 shall be determined by on-site measurement.
- 11. Monitoring wells E44/0396 and CE10/0004 shall be maintained as dedicated monitoring wells and abstraction shall only take place to the extent necessary to flush the well prior to sampling and to take samples.
- 12. The Consent Holder shall pay an annual administration and monitoring charge to the Consent Authority, collected in accordance with Section 36 of the Resource Management Act 1991. This charge may include the costs of:
  - (a) Inspecting the bore and irrigation area once each year;
  - (b) Monitoring the effects of irrigation on groundwater by taking representative samples of groundwater from the well(s), to be maintained as per condition 11, once every six months and analysing for:
    - i. Electrical conductivity;
    - ii. Nitrate nitrogen;

- iii. Total nitrogen;
- iv. Dissolved oxygen (field measurement);
- v. E. coli;
- vi. Bromine;
- vii. Chloride;
- viii. Dissolved iron.

(c) Monitoring the effects of irrigation on surface water by taking representative samples from upstream location and downstream location (as shown on the map in Appendix 1) every three years and analysing for:

- i. pH;
- ii. electrical conductivity;
- iii. ammoniacal nitrogen;
- iv. nitrate nitrogen;
- v. dissolved reactive phosphorus; and
- vi. E. coli.

13. The Consent Authority may, in accordance with Sections 128 and 129 of the Resource Management Act 1991, serve notice on the Consent Holder of its intention to review the conditions of this consent during the period 1 February to 30 September each year, or within two months of any enforcement action being taken by the Consent Authority in relation to the exercise of this consent, or on receiving monitoring results, for the purposes of:

- (a) adjusting the consented rate or volume of water under Condition 3, should monitoring under Condition 7 or future changes in water use indicate that the consented rate or volume is not able to be fully utilised;
- (b) determining whether the conditions of this consent are adequate to deal with any adverse effect on the environment, including interference effects, which may arise from the exercise of the consent and which it is appropriate to deal with at a later stage;
- (c) ensuring the conditions of this consent are consistent with any National Environmental Standards Regulations, National Policy Statement, Water Conservation Order, relevant plans and/or any relevant Regional Policy Statement; or
- (d) adjusting or altering the method of water take data recording and transmission.

for the **Southland Regional Council**

Bruce Halligan  
**Acting Consents Manager**

**Notes:**

1. *In accordance with Section 125(1)(a) of the Resource Management Act, this consent shall lapse after a period of five years after the date of commencement unless it is given effect to or an application is made to extend the lapse period before the consent lapses.*
2. *Section 126 of the Resource Management Act provides for this resource consent to be cancelled if the consent has been exercised in the past but has not been exercised during the preceding five years.*
3. *If you require a replacement permit upon the expiry date of this permit, any new application should be lodged at least six months prior to the expiry date of this permit. Applying at least six months before the expiry date may enable you to continue to exercise this permit until a decision is made, and any appeals are resolved, on the replacement application.*
4. *The Consent Holder shall pay an administration and monitoring charge to the Consent Authority collected in accordance with Section 36 of the Resource Management Act, payable in advance on 1 July each year.*
5. *The National Environmental Standards for Freshwater Management 2020 require resource consent to be obtained for any increase in irrigation area.*
6. *The Consent Holder must ensure that the bore that water abstraction occurs from can meet the following conditions:*
  - (a) *The bore or well design and headwork's prevent:*
    - i. *the infiltration of contaminants; and*
    - ii. *the uncontrolled discharge or leakage of water to the ground surface or between aquifers.*

*Should the bore not meet the above conditions, the Consent Holder shall apply to the Consent Authority for a Resource Consent for the use and maintenance of the bore.*
7. *All references to Water Permit 301933 include any replacement to that consent.*
8. *Upon expiry of AUTH-301933 this Authorisation (AUTH-20181676) may need to be varied for example to ensure maximum annual totals across both consents are consistent.*
9. *For clarity, the monitoring required under condition 12 above is similar to that already required under Water Permit 301933, and it is not intended that monitoring be duplicated to comply with both consents.*
10. *Condition 3 is a non-standard condition, and was formulated through the consent process. Under this condition, the consent holder is limited under Condition 3(d) to a maximum combined total take from all bores of 120m<sup>3</sup> per day, unless abstraction is occurring under Condition 3(e).*

Appendix 1: Irrigation Area



Appendix 1  
Irrigation Area

AUTH-20181676

**Legend**  
 Irrigation Areas



While every effort has been made to ensure the accuracy of this data, the information should not be relied on without consultation. DATA SOURCE: ES GIS 2013