RESOURCE CONSENT CRC143288
Pursuant to Section 104 of the Resource Management Act 1991

The Canterbury Regional Council (known as Environment Canterbury)

GRANTS TO: Dairy Holdings Limited

A LAND USE CONSENT: to use land for farming and to use water

COMMENCEMENT DATE: 11 Jun 2014

EXPIRY DATE: 11 Jun 2019

LOCATION: Rakaia-Selwyn groundwater allocation zone

SUBJECT TO THE FOLLOWING CONDITIONS:

1 Water shall only be used for irrigation, and the use of land for farming shall only occur, on properties within Nutrient Management Group - CRC143288 (NMG-CRC143288).

2 Properties within NMG-CRC143288 at the date of issue of this consent are listed in Schedule One, which forms part of this consent.

3 Properties may be added to or removed from NMG-CRC143288 provided that:

   a. the entire property is within the "command area" shown on Plan CRC143288, which forms part of this consent;

   b. the areas to be farmed on the property to be added do not overlap with a Community Supply Protection Zone as shown on Plan CRC143288;

   c. prior to the change occurring, the consent holder shall provide an updated list of the properties within NMG-CRC143288, including plans showing the area of each property, to the Canterbury Regional Council, Attention: RMA Monitoring and Compliance Manager;

   d. the property is not farmed pursuant to another consent to use land for farming;

   e. no more than 10,000 hectares are within NMG-CRC143288 at any one time; and

   f. prior to the addition of a property, the consent holder shall provide to the Canterbury Regional Council, Attention: RMA Monitoring and Compliance Manager:

      i. a Farm Environment Plan (FEP) for that property, prepared in accordance with Schedule Two, which forms part of this consent;

      ii. the nitrogen baseline calculation for that property, including all of the modelling inputs and outputs; and

      iii. the confirmation that the owner of the property consents to joining NMG-CRC143288.
For the purposes of this condition the nitrogen baseline calculation is defined as the annual average nitrogen loss to water, as modelled with OVERSEER®, or equivalent model approved by the Chief Executive of Environment Canterbury, averaged over the period of 01 July 2009 – 30 June 2013, and expressed in kg. The current version of OVERSEER® shall be used and the inputs shall be updated where relevant to reflect the current Overseer Best Practice Data Input Standards, but they must still describe the same baseline scenario.

Use of land

4 The average annual nitrogen loss to water calculated for the properties within NMG-CRC143288 shall not exceed the nitrogen baseline for those properties.

For the purposes of this condition:
   a. the average annual nitrogen loss to water shall be calculated on a four year rolling average basis and in accordance with Schedule Two; and
   b. the nitrogen baseline shall be determined using the formula $X + Y - Z$, where the variables are described as follows:
      - $X$ is the average annual nitrogen loss to water calculated using the current version of OVERSEER® when the Original Inputs are used. The Original Inputs are those which describe the baseline scenario in the consent application for those properties listed in Schedule One. The inputs shall be updated to where relevant to reflect the current OVERSEER® Best Practice Data Input Standards, but they must still describe the same baseline scenario.
      - $Y$ is the average annual nitrogen loss to water calculated for the nitrogen baseline for the properties added to NMG-CRC143288, in accordance with Condition 3.
      - $Z$ is the average annual nitrogen loss to water calculated using the current version of OVERSEER® for the properties removed from the NMG-CRC143288 using the Original Inputs as described above.

Advisory Note: When OVERSEER® version 6.1.1 is used $X$ equals 376,337 kg.

5 A Farm Environment Plan shall be prepared in accordance with Schedule Two for each property within NMG-CRC143288. For properties listed in Schedule One the Farm Environment Plan shall be completed prior to 1 January 2015. The Farm Environment Plan shall be updated as necessary and on farm practice shall be in accordance with the Farm Environment Plan. A copy of the Farm Environment Plan shall be provided to the Canterbury Regional Council, Attention: RMA Monitoring and Compliance Manager on request.

6 The Farm Environment Plan(s):
   a. shall be audited by a Farm Environment Plan Auditor to determine the compliance of the Farm Environment Plan with the provisions of Schedule One and on farm practice with the provisions of the Farm Environment Plan;
   b. audits shall be undertaken in accordance with Part C of Schedule One. A copy of the audit shall be provided to the Canterbury Regional Council, Attention: RMA Monitoring and Compliance Manager within two months of the audit being completed; and
c. audits shall occur annually, except that following three consecutive audits graded as fully compliant, the audit frequency shall reduce to at least once every three years. However, if an audit is graded as non-compliant or the manager of the farm changes, then the audit frequency reverts to annual.

7 The consent holder shall prepare an annual report including:
   a. a record of the audit compliance grading for each property audited during the previous 12 months;
   b. the annual average nitrogen loss to water for each property within NMG-CRC143288, calculated in accordance with Schedule Two; and
   c. a calculation of the current nitrogen baseline in order to determine compliance with Condition 4.

A copy of the annual report shall be provided to the Canterbury Regional Council, Attention: RMA Monitoring and Compliance Manager by 31 August each year.

Use of water

8 Where water is used under this consent concurrently with other consents to use water for irrigation of the same land then the maximum combined application rate shall not exceed 0.7 litres per second per hectare (6.05 millimetres per day).

Advisory note: Properties within NMG-CRC143288 may use water pursuant to this consent only or may use water pursuant to a separate consent to use water. This condition only applies when water is used concurrently pursuant to this consent and a separate consent on the same land.

9 The consent holder shall before the first use of water pursuant to 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 used 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 volume of water used pursuant to this consent, and the volume of water used for irrigation of the same land pursuant to any separate consent (where condition 8 applies), 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 use 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.

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: Regional Manager, RMA Monitoring and Compliance, 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 (t) and (c) of condition (9).

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.
General

12 The consent holder shall ensure that each property within NMG-CRC143288 shall maintain detailed records of fertiliser application rates, location and crop type (including winter feed/forage crops), cultivation methods, stock units by reference to type and breed, and all other inputs to the Overseer, or equivalent, nutrient budgeting model. A copy of these records shall be provided to the Canterbury Regional Council, Attention: RMA Monitoring and Compliance Manager on request.

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 this consent.

Issued at Christchurch on 11 June 2014

Canterbury Regional Council
### Schedule One

<table>
<thead>
<tr>
<th>Farm</th>
<th>Area (ha)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beattie</td>
<td>244</td>
</tr>
<tr>
<td>Braisby</td>
<td>181</td>
</tr>
<tr>
<td>Delaware</td>
<td>372</td>
</tr>
<tr>
<td>Englefield</td>
<td>222</td>
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<tr>
<td>Lamasen</td>
<td>298</td>
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<tr>
<td>Luporini</td>
<td>284</td>
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<tr>
<td>Lynton</td>
<td>289</td>
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<tr>
<td>Mead</td>
<td>256</td>
</tr>
<tr>
<td>Mount View</td>
<td>284</td>
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<tr>
<td>New Park</td>
<td>332</td>
</tr>
<tr>
<td>North River</td>
<td>211</td>
</tr>
<tr>
<td>Oakdale</td>
<td>272</td>
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<tr>
<td>One Arrow</td>
<td>353</td>
</tr>
<tr>
<td>Pinegrove</td>
<td>297</td>
</tr>
<tr>
<td>Railside</td>
<td>212</td>
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<tr>
<td>Remna</td>
<td>229</td>
</tr>
<tr>
<td>Riverside</td>
<td>279</td>
</tr>
<tr>
<td>Saunders</td>
<td>366</td>
</tr>
<tr>
<td>Selwyn</td>
<td>326</td>
</tr>
<tr>
<td>South River</td>
<td>249</td>
</tr>
<tr>
<td>Te Pirita</td>
<td>314</td>
</tr>
<tr>
<td>Terrace</td>
<td>316</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>6186</strong></td>
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**Record Number:** CRC961549.4  
**Record Type:** Notice of Review  
**Permit Type:** Water Permit  
**Record Holder:** Delaware Holdings Limited  
**Record Status:** Issued - Active  
**File Number:** CO6C/10966  
Previous Record(s): CRC961549.3  
Next Record(s):  
**Location:** South Two Chain Road, BANKSIDE  
**Description:** to take and use groundwater.

**Key Dates:**

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Review Takes Effect Date</td>
<td>02 Mar 2012</td>
</tr>
<tr>
<td>Given Effect To</td>
<td>30 Sep 1997</td>
</tr>
<tr>
<td>Lapses</td>
<td>28 Feb 1998</td>
</tr>
<tr>
<td>Expires</td>
<td>21 Feb 2031</td>
</tr>
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</table>

**Workflow (Only shows if workflow has open tasks):**

<table>
<thead>
<tr>
<th>Task Name</th>
<th>Task Status</th>
<th>Date</th>
</tr>
</thead>
</table>

**Conditions:**

<table>
<thead>
<tr>
<th>No</th>
<th>Text</th>
</tr>
</thead>
</table>
| 1  | Water may be taken only from:  
   | b. Bore L36/0126, 300 millimetres diameter and 90 metres deep, at map reference NZMS 260 L36:3570-2310;  
   | c. Bore L36/2007 or L36/2010, 300 millimetres diameter and 130 metres deep, at map reference NZMS 260 L36:3435-2534; and  
| 2  | Water may be taken from:  
   | a. Bore L36/2008 or L36/2011 at a rate not exceeding 41.7 litres per second, with a volume not exceeding 3.453 cubic metres per day;  
   | b. Bore L36/0126 at a rate not exceeding 63.8 litres per second, with a volume not exceeding 5.238 cubic metres per day; and  
   | c. Bore L36/2007 or L36/2010 and bore L36/2009 or L36/2012 at a combined rate not exceeding 126 litres per second, with a combined volume not exceeding 9.980 cubic metres per day. |
| 3  | Water shall only be used for irrigation on the area of land shown in attached plan CRC961549.4, which forms part of this consent. |
| 4  | This consent shall not be exercised unless consents CRC961477.3 and CRC980094.2 are surrendered or expire. |
| 5  | Annual volume  
   | (a) Before 30 June 2015, the annual volume taken between the 1st July and the following 30th
June shall not exceed 2,727,310 cubic metres (2011 Annual Volume), except that the 2011 Annual Volume may be exceeded if no part of the annual volume has been transferred and the consent holder;

a. Measures the actual volume of water used for irrigation per irrigation season as required by condition (9)

b. Takes representative daily individual soil moisture data samples, being:

a. Data from a minimum of one sensor in the top quarter of the crop rooting zone on the property irrigated under this consent; and

b. Data from a minimum of 5 sites containing representative irrigation systems and soil types within the Rakaia Selwyn Groundwater Zone (where for each site, there is a minimum of two sensors with one in the top quarter of crop rooting zone and the other at the bottom of the crop rooting zone).

provided that if data from 5 sites cannot be obtained under this condition (5)(a)(ii)(B), then the consent holder shall install one additional soil moisture sensor at the bottom of the crop rooting zone on the property irrigated under this consent;

a. Collects representative daily rainfall data through the use of local weather station data from a minimum of 2 weather stations within the Rakaia Selwyn Groundwater Allocation Zone; and

b. Provides to the Canterbury Regional Council a completed Notification Form (attached to this consent).

i. After 30 June 2015 the annual volume taken between the 1st July and the following 30th June shall not exceed;

a. the annual volume specified in the Notice of Acceptance (defined in condition (6)(b)) (Revised Annual Volume); or

b. the 2011 Annual Volume if notice of a revised annual volume is not received and accepted in accordance with condition (6).

Revised Annual Volume

(a) The consent holder may, before the 30th June 2015, give notice to the Canterbury Regional Council of a revised annual volume based on the data collected pursuant to Condition (5)(a)(i) to (iii) above, calculated by a suitably qualified person (Certifier) using:

(i) Relevant policies set out in the Natural Resources Regional Plan as at 15 September 2011;

(ii) Schedule WQ9 of the Natural Resources Regional Plan as at 15 September 2011 or its equivalent (including Irrigalc);

provided that such notice also includes:

(iii) A minimum of three (3) years’ monitoring data collected under conditions (5)(a)(i) to (iii);

(iv) A record of the volume of water taken under any other authorisation and used for irrigation on the area marked on plan CRC961549.4;

(v) A certificate signed by the Certifier which details the calculations done and certifies that the annual volume is in accordance with this condition;

(b) Upon receiving notice and supporting information under this condition, the Canterbury Regional Council shall advise the consent holder within twenty (20) working days as to whether it accepts the revised annual volume (Notice of Acceptance), with such advice not being unreasonably withheld.

(c) Upon the Notice of Acceptance of the revised annual volume being issued by the Canterbury Regional Council, the annual volume taken shall not exceed the Revised Annual Volume for the remainder of the resource consent.

Advisory notes:

a. Water taken and used under different authorisations shall be considered evidence of water demand on the property for the purposes of condition (5);

and

b. If system capacity is limited to less than 4 millimetres (calculated on the basis
of the maximum volume that can be pumped per day divided by the area
irrigated) then system capacity will be taken into account when calculating a
revised annual volume.
c. The Canterbury Regional Council shall record the Notice of Acceptance in its
consents database.

<table>
<thead>
<tr>
<th>7</th>
<th>Water User Group</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water may be taken in excess of the annual volume in condition (5) or (6) provided that:</td>
<td></td>
</tr>
<tr>
<td>a. a Water User Group is in operation whereby the consent holder(s) of two or more resource consents to take and use water within the Rakaia-Selwyn groundwater zone have determined to share their individual allocations in a manner that ensures that the total take of water does not exceed that available individually under their own individual resource consent(s) (the Water User Group);</td>
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<tr>
<td>Advisory note: a Water User Group may be established with members that hold resource consents to take water from both ground water and surface water sources.</td>
<td></td>
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<tr>
<td>b. the Water User Group has prepared a water sharing roster that specifies how their individual annual allocations are to be shared;</td>
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<tr>
<td>c. the water sharing roster ensures that the combined volume taken and used by all members of the Water User Group will not exceed:</td>
<td></td>
</tr>
<tr>
<td>a. the combined annual allocation able to be taken by all those consent holder(s) who are members of the Water User Group; and</td>
<td></td>
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<tr>
<td>b. their actual irrigation need.</td>
<td></td>
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<tr>
<td>i. the water sharing roster has been provided to the Canterbury Regional Council no less than 10 working days before it is implemented;</td>
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</tr>
<tr>
<td>ii. all the consent holders in the Water User Group are recording their volume of water abstraction by tamper-proof electronic recording systems in a manner consistent with condition (9) of this consent, and a record is made either on site or at a remote location via telemetry of the recorded abstraction volume;</td>
<td></td>
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<tr>
<td>iii. the telemetry device(s) shall be accessible to the Canterbury Regional Council at all times for inspection and/or data retrieval;</td>
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<tr>
<td>iv. all data from the telemetry devices shall be provided to the Canterbury Regional Council on request.</td>
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</tbody>
</table>

| 8 | After the commencement of Water User Group sharing in accordance with condition (7), the consent holder shall within one month of the installation of the telemetry devices, and then at 5 yearly intervals as coincide with the 5 yearly requirement for water meter(s) and electronic recording device(s) under condition (11), and at any time when requested by the Canterbury Regional Council, 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 telemetry device(s). |

| 9 | The consent holder shall: |  |
|---|------------------|  |
| (a) On or before the 1 March 2012: |  |
| a. 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(s) outlet plumbing, or within the mainline distribution system, at a location(s) that will ensure the total take of water is measured; and |  |
| b. install a tamper-proof electronic recording device(s) such as a data logger that records or logs the pulse totals at between 4 and 10 times per hour, and has |  |
the capacity to hold at least one season’s water use data as specified in clauses (b)(i) and (b)(ii), or which is telemetered, as specified in clause (b)(iii).

(b) Ensure the recording device(s) can:

a. be set to wrap the data from the measuring device such that the oldest data will be automatically overwritten by the newest data (i.e. cyclic recording); and
b. store the entire season’s data in each 12 month period from 1st July to 30th June in the following year; or

ensure that data is continuously with an independent network provider who will make the data available in a commonly used format at all times to the Canterbury Regional Council and the consent holder.

a. Ensure that no data in the recording device(s) is deliberately changed or deleted.

b. Ensure the water meter(s) and recording device(s) are accessible to the Canterbury Regional Council at all times for inspection and/or data retrieval.

c. Ensure the water meter(s) and recording device(s) is installed, maintained and operated throughout the duration of the consent in accordance with the manufacturer's instructions and with a minimum straight length of pipe upstream (before the meter) of ten times the diameter of pipe and a minimum straight length of pipe downstream (after the meter) of five times the diameter of pipe.

d. Take all practicable measures to ensure that the water meter(s) and recording device(s) is fully functional at all times and continues to achieve the accuracy and standard stated in Condition (9)(a) and (b) respectively.

e. Provide all water use data to the Canterbury Regional Council, Attention: RMA Compliance and Enforcement Manager, once per year during the last five working days in July, for the duration of this consent.

10 The consent holder shall, on or before the 1 March 2012 install or make available an easily accessible straight pipe at a location that provides for the total water take, with no fittings or obstructions that may create turbulent flow conditions, of a length of at least 15 times the diameter of the pipe, as part of the pump outlet plumbing or within the mainline distribution system, to allow the Canterbury Regional Council to conduct independent flow measurements.

Note: Installation of an electromagnetic or acoustic meter in accordance with Condition (9)(e) above will not cause turbulence in the pipe work and will provide the required 15-times diameter pipe-length to comply with Condition (10). However, if a mechanical meter is installed an additional five-times diameter length of straight pipe will be required (before the meter) to avoid turbulence created by the meter and to comply with Condition (10).

11 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 that:

a. the water meter(s) is measuring the rate of take of water taken as specified in Condition (9); and

b. the measuring and recording device(s) has been installed in accordance with the manufacturer's specifications; and

c. data from the recording device(s) can be readily accessed and/or retrieved in accordance with Condition (9); and

d. the tamper-proof electronic recording device(s) is operating as specified.

12 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

a. 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.

| 13 | The Canterbury Regional Council may, once per year, on any of the last five working days of March or July, 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. |