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# RESOURCE CONSENT CRC222635

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

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

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GRANTS TO: Burnham 2020 Limited

A WATER PERMIT (S14): To Take and Use Groundwater

COMMENCEMENT DATE: 12 February 2025

DATE CONSENT NUMBER ISSUED: 12 February 2025

EXPIRY DATE: 12 February 2045

LOCATION: Corner of Grange Road and Aylesbury Road,  
BURNHAM.

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

#### **Expiry**

- 1 The term of consent is 20 years from the date of commencement.

#### **Lapse Date**

- 2 If this consent is not exercised before 10 February 2030 then it shall lapse in accordance with section 125 of the Resource Management Act.

Advice note: 'Exercised' is defined as implementing any requirements to operate this consent and undertaking the activity as described in these conditions and/or application documents.

#### **Take Location**

- 3 Water may be taken only from:
  - (a) Bore M36/7710, 300 millimetres diameter and 168 metres deep, at or about map reference NZTM 1542041mE, 5172459mN; the depth at which water is taken into the bore shall not be less than 145 metres below ground level.
  - (b) Bore M36/7711, 300 millimetres diameter and 148 metres deep, at or about map reference NZTM 1542670mE, 5173429mN; the depth at which water is taken into the bore shall not be less than 115 metres below ground level.
  - (c) Bore M36/7712, 300 millimetres diameter and 162 metres deep, at or about map reference NZTM 1542584mE, 5172007mN; the depth at which water is taken into the bore shall not be less than 125 metres below ground level.
  - (d) Bore M36/7713, 300 millimetres diameter and 150 metres deep, at or about map reference NZTM 1543646mE, 5172581mN; the depth at which water is taken into the bore shall not be less than 115 metres below ground level.

## **Rates of Take**

- 4 Water may only be taken from:
- (a) Bore M36/7710, at a rate not exceeding 50 litres per second with a volume not exceeding 4,320 cubic metres per day;
  - (b) Bore M36/7711 at a rate not exceeding 90 litres per second with a volume not exceeding 7,776 cubic metres per day;
  - (c) Bore M36/7712, at a rate not exceeding 48 litres per second with a volume not exceeding 4,147 cubic metres per day;
  - (d) Bore M36/7713 at a rate not exceeding 50 litres per second with a volume not exceeding 4,320 cubic metres per day.
- 5 The combined rate at which water may be taken from all the bores listed in Condition 3 – Take Location, shall not exceed 210 litres per second, with a maximum combined daily volume of 18,144 cubic metres per day.

## **Annual Volume**

- 6 Water may only be taken with a total volume not exceeding 1,130,940 cubic metres between 1 July and the following 30 June.

## **Use of Water**

- 7 Water shall only be used for quarrying activities and irrigation of the area shown on the attached plan CRC222635A

*Advice Note: The Resource Management Act 1991 (RMA) allows water to be used for an individual's reasonable domestic needs and the reasonable needs of a person's animals for drinking water. As long as all other conditions of consent are complied with, including the consented rates and volumes, the consent holder may rely on this provision for these uses.*

*Advice note: Quarrying activities is defined as per the National Planning Standards 2019: means the extraction, processing (including crushing, screening, washing, and blending), transport, storage, sale and recycling of aggregates (clay, silt, rock, sand), the deposition of overburden material, rehabilitation, landscaping and backfilling of the quarry, and the use of land and accessory buildings for offices, workshops and car parking areas associated with the operation of the quarry.*

## **Efficient use of water practises**

- 8 The Consent Holder shall take all practicable steps to use the water authorised by this consent, in combination with irrigation water used from any other source (including the Central Plains Water Scheme), in a manner that:
- (a) Avoids leakage from pipes; and
  - (b) Ensures that the application of water used for irrigation does not exceed that required for the soil to reach field capacity; and
  - (c) Avoids the use of water onto non-productive land such as impermeable surfaces

**Advice Note:** *Field capacity means the moisture content of soil when the addition of further water would exceed the saturation limit of the soil (i.e. the maximum amount of water than can be stored inside the voids of the soil).*

### **External Meter Access**

- 9 For each of the bores listed in Condition 3, the Consent Holder must, before the first exercise of this consent, maintain 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.

### **Records of Water Taken**

- 10 Upon first exercise of this water permit:
- (a) The Consent Holder must keep records that provide a continuous measurement of the water taken under this permit, including any water taken in excess of what this permit allows
  - (b) The records must comprise measurements in cubic metres of the volume of water taken in each 15-minute period.
  - (c) If no water is taken, the records must specify the volume of water taken as zero cubic metres.
  - (d) The records must be kept in a format that, in the opinion of the CRC Manager, is suitable for auditing.
  - (e) The records must be kept using a device or system that measures the volume of water taken to within 5 percent of the actual volume taken, and is:
    - (i) able to provide data in a form suitable for electronic storage; and
    - (ii) suited to the qualities of the water it is measuring; and
    - (iii) sealed and is as tamper-proof as practicable; and
    - (iv) installed at each location from which water may be taken under this permit.
    - (v) verified as accurate.
- 11 The Consent Holder must provide records, electronically, to the CRC Manager, that cover:
- (a) Water used each day, no later than the end of the next day; and
  - (b) Water used each year (1 July – 30 June), no later than one month after the end of that water year.
- 12 Within one month of any replacement of a device and at five-yearly intervals thereafter, and at any time when requested by the Canterbury Regional Council, the Consent Holder shall provide to the CRC Manager evidence showing that:
- (a) the device or system that is keeping records is verified as accurate; and
  - (b) the verification has been performed by a person who is suitably qualified.

**Advice Note:** See [www.ecan.govt.nz](http://www.ecan.govt.nz) for the latest version of 'Data Management Guidelines – Water Use'.

**Advice Note:** All flow and water level measurement and recording, including equipment, systems and procedures must be installed, operated and maintained at all times in accordance with any operative National Environmental Monitoring Standards.

### **Water Levels**

- 13 The Consent Holder must, before the first exercise of this consent, established and maintain access to

allow water level measurements to be taken in the bore(s), via a bung and socket with a minimum diameter of at least 20 millimetres, installed in the bore casing or headworks.

### **Consent Condition Reviews**

- 14 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 these consents for the purposes of:
- (a) Dealing with any adverse effect on the environment which may arise from the exercise of this consent and which it is appropriate to deal with at a later phase; and
  - (b) Amending water extraction volumes and rates to address adverse effects on groundwater availability; and
  - (c) Ensuring compliance with any relevant National Environmental Standards; and
  - (d) Avoiding, remedying, mitigating, off-setting or compensating for any adverse effects arising from the take and use of groundwater.