



File Ref: 1/1/GFL  
JDH:MEH

# Water Permits – 106321 and 106322

## CONSENT GRANTED

To

**Gardiner Farms Ltd**

To

**take water from Well Numbers 362402 and 362403 for the purpose of domestic use, stock water, dairymash wash down and irrigation**

**SUBJECT TO THE ATTACHED CONSENT CONDITIONS**

### Location

<b>Address for activity:</b>	Whakahoro Road, Manakau, Levin
<b>Legal description:</b>	Manawatu-Kukutauki 4E2 B1
<b>Valuation number:</b>	14850/137/00
<b>Map reference:</b>	NZMS260 S25:964-546 NZTopo50 BN33:863-929
<b>Well number:</b>	362402 and 362403
<b>Dairy number:</b>	45791

### Details of Resource Consent

<b>Granted:</b>	30 July 2012
<b>Lapse of irrigation abstraction:</b>	July 2014
<b>Expiry:</b>	1 July 2034
<b>Review:</b>	July 2014, 2019, 2024 and 2029
<b>Maximum (combined) abstraction volume:</b>	80 cubic metres per day (80 m <sup>3</sup> /day) for stock water, dairymash wash down and domestic supply, and 84 cubic metres per day (80 m <sup>3</sup> /day) for irrigation
<b>Maximum abstraction rate:</b>	2 litres per second (2L/s)

## DECISION

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For the reasons reported below, the Policy and Consents Manager of the Manawatu-Wanganui Regional Council (pursuant to delegated authority), grants resource consent to Gardiner Farms Limited under sections 104, 104B and 108 of the Resource Management Act 1991 to take water from Well Numbers 362402 and 362403 for the purpose of domestic water supply, stock water, dairyshed wash down and irrigation at Whakahoro Road, Manakau, Levin for a term of 22 years expiring on 1 July 2034.



Richard Munneke

**POLICY AND CONSENTS MANAGER**

30 July 2012

## REASON FOR THE DECISION

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1. This abstraction is riparian and as such, the application has been assessed by Manawatu/Wanganui Regional Council's Environmental Scientist – Water Quantity, Raelene Mercer. Ms Mercer notes that application is within the core allocation limit for this zone. As these abstractions are riparian and have an irrigation component that is to be non-essential, conditions have been imposed to ensure the irrigation supply is restricted during low flows within the Waikawa Stream. The remainder of the abstraction is considered to be an essential use and the proposed abstraction volumes falls within efficient use guidelines for this activity.
2. The abstraction is within the West Coast Water Management Zone and the Waikawa sub zone, as the application is within the core allocation limit set for this catchment it is considered that the abstraction will not result in any adverse effects.
3. The water abstraction is consistent with the Objectives and Policies of the Regional Policy Statement, the Proposed One Plan (2010) and the Land and Water Regional Plan (2003).
4. The water abstraction is consistent with the relevant provisions of the Resource Management Act 1991.
5. Conditions 7 and 10 require monitoring via flow meter and installation of a backflow preventer to ensure the volume abstracted is in accordance with consented volume.

Recommended by:



Dan Higgs

**CONSENTS PLANNER**

## CONDITIONS

1. This consent authorises the abstraction of surface water from two existing riparian bores (number 362402 and 362403) at approximate map reference NZMS260 S25:964-546 / NZTopo50 BN33:863-929 on the property legally described as Manawatu-Kukutauki 4E2 B1.
2. The consent holder shall undertake the activity in general accordance with the consent application including all accompanying plans and documents first lodged with Manawatu-Wanganui Regional Council on 2 May 2012, and further information received on 25 June 2012 via letter being an amendment to abstraction volumes. Where there may be inconsistencies between information provided by the applicant and conditions of the resource consent, the conditions of the resource consent apply.

**Advice Note:** Any change from the location, design concepts and parameters, implementation and/or operation may require a new resource consent or a change of consent conditions pursuant to section 127 of the Resource Management Act 1991.

3. The total combined volume of water abstracted from both bores for stock water, dairymshed wash down and domestic supply purposes shall not exceed 80 cubic metres per day (80 m<sup>3</sup>/day) at a maximum rate of 2 L/s.
4. The total combined volume of water abstracted from both bores for irrigation purposes shall not exceed 84 cubic metres per day (84 m<sup>3</sup>/day) at a maximum rate of 2 L/s.

**Advice Note:** It is considered that an abstraction rate of 2 litres per second will not provide sufficient pressure to drive an irrigation system. Any increase in this rate will require a new consent.

5. The consent holder shall cease taking water for irrigation when the flow in the Waikawa Stream measured at the flow gauging station at North Manukau Road flow monitoring site is at or below 0.220 cubic metres per second (0.220 m<sup>3</sup>/s).

**Advice Note:** The rate of abstraction provided for by this water permit cannot be added to the permitted activity rate of take as defined in the Proposed One Plan (2010). The maximum allowable rate of take is as stated in conditions 3 and 4 of this water permit.

6. If the irrigation portion of resource consent (being 84 cubic metres per day (84 m<sup>3</sup>/day)) is not given effect to by **1 July 2014**, it shall lapse pursuant to section 125 of the Resource Management Act 1991.
7. **Within 3 months** from the date of granting, the consent holder shall install and maintain, in a fully operational condition, flow meters on each water abstraction line with a pulse counter output traceably calibrated to +/- 5 % or better. The flow meters shall be capable of providing daily water use as well as a pulse counter output. The flow meters shall be positioned to measure the entire volume abstracted under authorisation of this consent, before water enters any storage facility.

**Advice Note:** To ensure this condition is complied with it is recommended that the flow meters be mounted so as to **avoid the effects of pump vibration** from interfering with the accuracy and calibration of the water meter.

8. The flow meters referred to in Condition 7 shall be positioned within straight lengths of **steel pipe** of uniform wall thickness (excluding flanges) before and after the meter.
9. Subject to the flow meter requirements in Condition 7 the pipes on either side of the flow meters shall be of equal diameter. The length of straight pipe before and after the flow meter shall be the greater of:

- a. 10 times the internal diameter of the pipe before the meter's inlet flange and 5 times the internal diameter of the pipe after the meter's outlet flange;
- b. 1.5 m before the flow meter's inlet flange and 0.75 m of pipe after the flow meter's outlet flange; and
- c. the length of pipes specified by the flow meter manufacturer to enable accurate flow measurements to be achieved.

**Advice Note:** Spiral welded pipe will not meet the "uniform" wall thickness specifications above.

10. **Within 3 months** from the date of granting, the consent holder shall install and maintain for each bore, an automatic backflow prevention device within the pump outlet plumbing or within the mainline to prevent the backflow of water through the meter referred to in Condition 7 of this consent.
11. The consent holder shall ensure the monitoring equipment referred to in Conditions 7 (flowmeter) and 10 (backflow preventer) of this consent is in a position where it is accessible at all times.
12. The consent holder shall allow any Manawatu-Wanganui Regional Council staff member and its agents to attach monitoring equipment / telemetry to monitor water use to ensure compliance with consent conditions and/or as part of a programme to enable monitoring of total water use.
13. In the event that the equipment detailed in Condition 7 (flowmeter) and 10 (backflow preventer) fails, replacement or repair will be at the consent holder's expense and replacement or repair will be required within **seven days**.
14. In the event that the equipment required under Conditions Condition 7 (flowmeter) and 10 (backflow preventer) is removed for servicing or replacement the consent holder shall notify the Manawatu-Wanganui Regional Council's Environmental Protection Manager within **one working day**.

**Advice Note:** The Manawatu-Wanganui Regional Environmental Protection Manager can be contacted on 0508 800 800 or via email [compliance.shared@horizons.govt.nz](mailto:compliance.shared@horizons.govt.nz). Please include your consent number and type in the subject line.

15. The Manawatu-Wanganui Regional Council may, under section 128 of the Act, initiate a review of all conditions of this consent during **July 2014, 2019, 2024, and 2029**. The review shall be for the purpose of reviewing the effectiveness of the conditions in avoiding, or mitigating any adverse effects on the environment, which may arise as a result of the exercise of this consent. Specifically the review of conditions shall allow for:
  - i. an assessment of the water abstraction volumes and rates detailed in the conditions of this consent against any future allocation policy, and if necessary a change to the monitoring outlined in the conditions of the consent;
  - ii. deletion or amendments to any conditions of this resource consent to ensure adverse effects are appropriately mitigated; or
  - iii. addition of new conditions as necessary, to avoid, remedy or mitigate any unforeseen adverse effects on the environment; or
  - iv. if necessary and appropriate, the adoption of the best practicable options to avoid, remedy or mitigate any adverse effects on the environment.

**Advice Note:** Any review exercised under this condition may result in the abstraction volume and / or rate being reduced and / or restricted, or further restrictions being placed on the abstraction volume and / or rate during low flow conditions. Efficiency of the take and application method will be factors that will be taken into account in the review.