

Resource Consent Details

GHC-1

RecordNo CRC000585.6

Consent Summary

Type Consent

Source Change Conds

Section

FileNo CO6C/16313

ClientName Waimakariri Irrigation Limited

To to take up to 10.5 cubic metres per second from the Waimakariri River via two intakes at Browns Rock at or about map reference L35:361-584 for irrigation water supply, augmentation of ground water surrounding the Eyre River and augmentation of surface water flows in the Cust River, Cust Main Drain and Ashley River.

Location WIS main & distribution races bounded by m/f L35:350-580 M35:730-520 & M34:520-7, WAIMAKARIRI DISTRICT

Events 20 Nov 1999	Lapse Date if not Given Effect To
13 Nov 2007	Change in Conditions takes effect
18 Nov 2031	Consent Expires

Subject to the following conditions:

- 1 Before any works are commenced under these consents the consent holder shall prepare and submit to the Canterbury Regional Council for approval a management plan for the construction and operation of the scheme and for the monitoring of any environmental effects arising from the scheme. The plan should give particular attention to the details of how: (a) The stock water supply is to be managed. (b) The irrigation component of the scheme is to be managed so the objective of using water efficiently is met. (c) The ground water recharge trials are to be conducted and evaluated. (d) The monitoring for groundwater levels and groundwater quality changes is to be accomplished; (e) The conditions imposed on these consents and on the land use consent granted for the scheme by the Waimakariri District Council are to be met. (f) Any failures to meet conditions on water and sediment discharges and on the exclusion of fish from the race system are to be remedied. (g) The effects of envisaged land use changes of the hydrological environment are to be remedied or mitigated. In August each year the consent holder and the Canterbury Regional Council shall jointly review and, if appropriate, amend the management plan for the ensuing year. The Canterbury Regional Council may invite submissions from interested parties as part of the review process. The consent holder shall at all times implement the provisions of the management plan except to the extent that these provisions or any of them are inconsistent with the conditions of this consent.
- 2 The lapsing period of section 125(1) RMA shall be three years.
- 3 Subject to Conditions (5) and (6) below, up to 10.5 cubic metres of water may be taken for irrigation, including up to 1.5 cubic metres of water for augmentation of groundwater surrounding the Eyre River.
- 4 Whenever the measured mean flow in the Waimakariri River for the 24 hour period ending at noon on any one day, as estimated by the Canterbury Regional Council from measurements at the Old Highway Bridge recorder site (map reference NZMS 260 M35:818-547), falls below 37 cubic metres per second there shall be no taking of water in terms of this consent for irrigation purposes or for augmentation of ground water surrounding the Eyre River.
- 5 Whenever the measured mean flow, x cubic metres per second, in the Waimakariri River for the 24 hour period ending at noon on any one day, as estimated by the Canterbury Regional Council from measurements at the Old Highway Bridge recorder site (map reference NZMS 260 M35:818-547) exceeds 37 cubic metres per second the take for the irrigation and augmentation of groundwater surrounding the Eyre River shall not exceed y cubic metres per second where: - $y = 0.81(x - 37)$ for x less or equal to 46.2 cubic metres per second; and $y = 10.5$ for x greater than 46.2 cubic metres per second.
- 6 The hours for which, and the rate at which, water is taken shall be measured and recorded daily in a log kept for that purpose. A copy of the log is to be provided to the Canterbury Regional council on request and, in any event, before May 31 each year.

- 7 In the event that the fish screens at the intake become ineffective, either through damage from any cause or through the need for maintenance, the taking of water under this consent shall cease until the screens' effectiveness has been satisfactorily restored. The consent holder shall within 24 hours of the screens' becoming ineffective notify the Canterbury Regional Council and the North Canterbury Fish and Game Council of the situation and of the remedial measures including fish salvage to be implemented.
- 8 (a) Representative samples of groundwater shall be taken: (i) during August-September and April-May each year from each of the monitoring bores identified for the monitoring of Groundwater Quality effects in the management plan referred to in Condition (1); (ii) monthly from three bores identified for monitoring of Groundwater in the management plan. One of these bores to be located up-gradient in terms of the direction of groundwater flow, of the area covered by the irrigation scheme, one bore to be located down-gradient the area of the irrigation scheme and one bore to be centrally located within the area of the scheme; and (iii) all samples shall be analysed for nitrate-nitrogen, ammonia-nitrogen, conductivity, pH and e-coli bacteria by a laboratory accredited to NZS/ISO/IEC Guide 17025 or equivalent, defined by and accreditation body recognised as operating to ISO/IEC Guide 58 for those analysis; and (iv) an annual report providing a summary of the results of the analyses of all samples taken shall be provided to the Canterbury Regional Council by no later than 30 June. (b) Water level measurements shall be taken at least monthly from each of the bores identified for the monitoring of Groundwater Level effects in the management plan referred to in Condition (1) and an annual report setting out the levels and showing the mean level shall be provided to the Canterbury Regional Council by no later than 30 June. (c) The consent holder may, on any working day during June in 2008 or any working day in June in any year thereafter, apply to the Canterbury Regional Council under Section 127(1) of the Resource Management Act 1991 to change or cancel Conditions (8)(a) or (8)(b) of this consent.
- 9 Charges, set in accordance with section 36 of the Resource Management Act 1991, shall be paid to the Regional Council for the carrying out of its functions in relation to the administration, monitoring and supervision of resource consents and for the carrying out of its functions under section 35 of the Act.
- 10 The Canterbury Regional Council may, on the last working day of July each year, serve notice of its intention to review the conditions of this consent for the purposes of: (a) Dealing with any adverse effect on the environment which may arise from the exercise of the consent; or (b) Complying with the requirements of a regional plan.
- 11 By 1 July 2007 the consent holder shall submit a Water Use Management Plan (the Plan) to the Canterbury Regional Council, Attention: RMA Compliance and Enforcement Manager. The purpose of this plan will be to promote the reasonable and efficient use of water within the Waimakariri Irrigation Scheme (the Scheme) as a whole, as well as on individual shareholder properties within the scheme. The plan will describe: (a) The operation and monitoring of the Scheme intakes from the Waimakariri River and the distribution of water to the shareholders properties. (b) The monitoring of water supplied to individual shareholders. (c) A programme of evaluation of the operation of individual shareholder on-farm operations including: (i) the area irrigated; (ii) the Profile Available Water of the soils that occur on the property; (iii) quantification of local rainfall and evapotranspiration; (iv) a description of the irrigation system, its pumping rate and return period; (v) a demonstration that the irrigation system achieves the following objectives: a) 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. This programme of evaluation shall be established so that shareholder properties are evaluated at least once every five years. For the avoidance of doubt, the completion of the on-farm survey shall be subject to land owner permission and the consent holder shall use all reasonable endeavours to obtain such permission. (d) The distribution of educational material on efficient irrigation practices to all shareholders. (e) An annual reporting programme to the Canterbury Regional Council, Attention: RMA Compliance and Enforcement Manager, to describe the results of implementing the Plan over the preceding 12 months.
- 12 (a) The results arising from the implementation of the Plan required in accordance with Condition (12) shall be used to develop a maximum annual volume for the use of water. (b) A current estimate of the maximum annual volume shall be included in the report on the Plan that is provided to the Canterbury Regional Council, Attention RMA Compliance and Enforcement Manager, by the 30 June each year. That estimate shall be based on all the monitoring data that has been gathered up to the

time that the report is produced.

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