

## Recommended condition changes

**To:** Independent Hearing Commissioner Rob van Voorthuysen for RM19.151  
**From:** Alexandra King, Team Leader Consents – Coastal Otago  
**Date:** 16 June 2021  
**Re:** Recommended condition changes

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As per my oral recommendation at the hearing for RM19.151 on 16 June 2021, I recommended the following changes and additions to the consent conditions I attached as Appendix 1 to the s42A report (additions underlined and deletions ~~struck through~~). I recommend that all other conditions remain the same.

### **Consent Condition 16:**

16. A fertiliser, herbicide, pesticide and nitrogen application report must be provided to the Consent Authority by 31 July each year for the period commencing 1 July the previous year and ending 30 June the current year. The report must assess the fertiliser herbicide, pesticide and and nitrogen application over the previous 12 months. This report must include, but not necessarily be limited to:
- Area and crop type where fertiliser herbicide, pesticide and/or nitrogen were applied including a scaled map, aerial photograph (or Google Earth image) of the irrigated areas;
  - Annual summary of the combined monthly volume of fertiliser herbicide, pesticide and and/or nitrogen used;
  - Reasons why use may have varied from the previous year; and
  - Information demonstrating application equipment that has been used and decision-making regarding the use (e.g. soil moisture data, irrigation scheduling) and any changes planned for the coming year.

### **Changes to Condition 3:**

3. ~~a) The rate of abstraction as primary allocation from Upper Royal Burn (Site 1) must not exceed 15 litres per second;~~  
~~b) The rate of abstraction as primary allocation from Lower Royal Burn (Site 2) must not exceed 50 litres per second;~~  
~~c) The rate of abstraction as primary allocation from New Chums Creek (Site 3) must not exceed 24.5 litres per second.~~  
~~d) The combined volume of abstraction under this permit during the irrigation season must not exceed:~~  
~~i. 193,164 cubic metres per month;~~  
~~ii. 888,305 cubic metres per year.~~  
~~e) The combined volume of abstraction under this permit outside the irrigation season must not exceed:~~

- i. ~~25,920 cubic metres per month;~~
- ii. ~~103,680 cubic metres per year.~~

- 3A: a) The combined volume of abstraction under this permit during the irrigation season for the purpose of use on the golf course only must not exceed:
- i. 4,874 cubic metres per month;
  - ii. 38,989 cubic metres per year.
- b) The combined volume of abstraction under this permit during the irrigation season for the purpose of use for pasture irrigation only must not exceed:
- i. 187,915 cubic metres per month;
  - ii. 846,316 cubic metres per year.
- c) The combined volume of abstraction under this permit during the irrigation season for the purpose of stock water only must not exceed:
- i. 578 cubic metres per month;
  - ii. 4,620 metres per year.

- 3B: The combined volume of abstraction under this permit outside the irrigation season for the years 2022, 2023 and 2024 must not exceed:
- a) 25,920 cubic metres per month;
  - b) 103,680 cubic metres per year.

- 3C: The combined volume of abstraction under this permit outside the irrigation season for the years 2024 onwards must not exceed:
- a) 578 cubic metres per month;
  - b) 2,310 cubic metres per year.

For clarity around what is considered an 'irrigation season' I also recommend the inclusion of an Advice note 12 that states the following:

12. The irrigation season for the purpose of this consent is 1 September to 30 April.

***New proposed Condition:***

1A. This consent (RM19.151.01) does not provide for the take and use of water from any named or unnamed tributaries of the Royal Burn or New Chums Creek that could be intercepted New Chums Race and subsequently flow into the New Chums Race on the Crown Terrace.

***Administrative correction to Condition 15:***

15. A water use efficiency report must be provided to the Consent Authority by 31 July each year for the period commencing 1 July the previous year and ending 30 June the current year. The report must assess the water use over the previous 12 months in respect of the efficient use of water for the purposes consented. This report must include, but not necessarily be limited to:
- a) Area and crop type irrigated including a scaled map, aerial photograph (or Google Earth image) of the irrigated areas;
  - b) Annual summary of the combined monthly volume of water abstracted from New Chums and the Royal Burn; Poison Creek and the unnamed tributary of Poison Creek;
  - c) Reasons why use may have varied from the previous year;
  - d) Information demonstrating irrigation equipment that has been used and decision-making regarding efficiency of use (e.g. soil moisture data, irrigation scheduling, meter accuracy checks, computer control of irrigation) and any changes planned for the coming year;

- e) Measures undertaken to avoid loss or wastage of water including any bypass of water;
- f) Any changes or modifications to irrigation (and water conveyance) infrastructure; and
- g) Water conservation steps taken.



Alexandra King

**Team Leader Consents – Coastal Otago**

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<sup>i</sup> This is stock water for only 4 months which is half that required during the irrigation season which is 8 months.