

Woodstock Quarry Limited: Proposed Conditions

CRC214074 – Dam water in sediment ponds. Take and use water from sediment ponds.

Advice note: The activities at the site are also subject to the following resource consents or changes to them:

CRC214073
CRC214075
CRC214076
CRC214077
RC215276
RC185244

Limits

General conditions

1. The damming of water, and take and use of water, must only be in or from the quarry/landfill sediment ponds as shown on drawings B1, ~~C1 (site layout plan excavated quarry surface)~~, C1 (location and schematic) and C4 (sediment control sectional schematic) at 513 Trig Road, Woodstock, legally described as Lot 1 DP 481768.
2. The maximum capacity of ~~the each~~ sediment ~~pondspond~~ shall be 20000m³.
3. The maximum take of water from the sediment ponds must not exceed 200m³ per day.
4. The use of water must only be for activities associated with the quarry or landfill activities approved under CRC214073, CRC214074, CRC214075, CRC214076 and CRC214077.
5. The source of water to be dammed in the sediment ponds must only be from stormwater and underdrainage water from the quarry and landfill site.

Duration

6. The term of this Consent shall be 35 years from the date of its commencement.

~~Tim Johnston disagrees with the duration as discussed in his original s42a report. Garry Blay considers a 35 year timeframe is appropriate given the substantial works and investment required to establish the landfill. A review condition has been proposed which will provide the opportunity to implement methods to address unforeseen adverse effects.~~

Lapse

7. The lapsing date for the purposes of section 125 of the Resource Management Act 1991 shall be (date) (5 years from commencement).

Review

8. The Canterbury Regional Council may annually, on the last working day of May or November, 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 this consent and which is appropriate to deal with at a later stage; or
 - b. Requiring the adoption of the best practicable option to remove or reduce any adverse effect on the environment.

Sediment pond construction

9. The sediment ponds must be designed to manage a 10 percent AEP design flood, with provision to pass a 1 percent AEP design flood. The sediment ponds must be designed by an appropriately qualified and experienced person in accordance with the Canterbury Regional Council publication Canterbury Regional Council Erosion & Sediment Control Toolbox for Canterbury. Where the Canterbury Regional Council Erosion & Sediment Control Toolbox for Canterbury does not cover a particular situation GD05 Erosion and Sediment Control Guide for Land Disturbing Activities in the Auckland Region will be utilised.
10. Scour protection works of concrete, rock or timber construction must be placed at the outlet of the sediment ponds to prevent scour.
11. The Consent Holder shall be responsible for the structural integrity and maintenance of all sediment pond works, and for any erosion control and energy dissipation works that become necessary as a result of the exercise of this consent. All channels must be engineered to preclude excessive channel erosion at peak velocities.
12. Detailed designs of all works must be forwarded to the Canterbury Regional Council for review and approval by the Council prior to works commencing.

Peer Review Panel

13. The Consent Holder shall establish, at ~~its~~their own cost, ~~and~~ Peer Review Panel, to review the design, construction, operation, and after-care of the Landfill and all relevant management plans and drawings required under RC215276, CRC214073, CRC214074, CRC214075, CRC214076, and CRC214077 that are required to be approved by Council to assess whether or not the work is undertaken by appropriately qualified personnel in accordance with good practice. The Peer Review Panel shall operate in accordance with the scope of responsibilities set out in Schedule 3 attached to this consent and comprise at least two independent persons who shall be:
 - a. ~~independent of the Consent Holder~~experienced in landfill design, construction, and management;
 - ~~b. experienced in landfill design, construction, and management;~~
 - ~~eb.~~ experienced in landfill geotechnical, groundwater and surface water aspects;
 - ~~ed.~~ recognised by their peers as having such experience, knowledge, and skill; and
 - ~~ed.~~ approved in writing by Waimakariri District Council and Canterbury Regional Council.

Add new condition:

14. Prior to submission of any document in relation to landfill waste containment, landfill waste management and land filling for the approval of Canterbury Regional Council, Attention: Regional Leader – Compliance Monitoring the Consent Holder shall obtain and provide written comment and endorsement from the Peer Review Panel.

15. The Peer Review Panel shall prepare a six monthly report for the Consent Holder on the adequacy of the following matters:

- ~~a. management and monitoring plans;~~
- ~~b. site preparation, including hydrogeological and geotechnical issues;~~
- ~~c. liner design and construction and use of on-site materials;~~
- ~~d. water control, including stormwater and leachate management;~~
- ~~e. compaction, including method and degree;~~
- ~~f. waste acceptance;~~
- ~~g. cover material used;~~
- ~~h. monitoring, modelling and records; and~~
- ~~i. rehabilitation.~~

- PRP membership and deliberations
- matters reviewed and reported
- approvals given
- geotechnical investigations
- engineering final design
- construction activity
- construction quality assurance
- lining system performance
- landfill waste pile stability
- land movement and stability
- landfill waste containment
- leachate containment and collection
- leachate handling and disposal on site
- landfill gas capture
- landfill gas monitoring of fugitive emissions and subsurface migration
- odour
- groundwater and surface water quality
- failures and damage relating to any above topic, and response by WQL.

16. Where the Peer Review Panel does not have expertise in any of the areas it is required to report on, as detailed above, it may must, with the agreement of the Consent Holder and Canterbury Regional Council, engage the services of an appropriate expert to report on the relevant matter to the Peer Review Panel. The report shall form part of the review provided by the Peer Review Panel as required by this condition. Copies of all reports shall be sent to the Consent Holder, the Waimakariri District Council, and the Canterbury Regional Council by 31 August each year, unless otherwise agreed in writing with the Councils.

Advice note

~~a. Approval by Council means the process of the Council receipting and accepting plans, drawings and specifications. The approval process is to be completed within 15 working days of receiving the documentation from the Consent Holder. The approval process may be extended if the Council requests further information required to satisfy itself that the conditions of consent have been met.~~

Add new condition:

17. The Consent Holder must action all recommendations and/or directions of the Peer Review Panel.