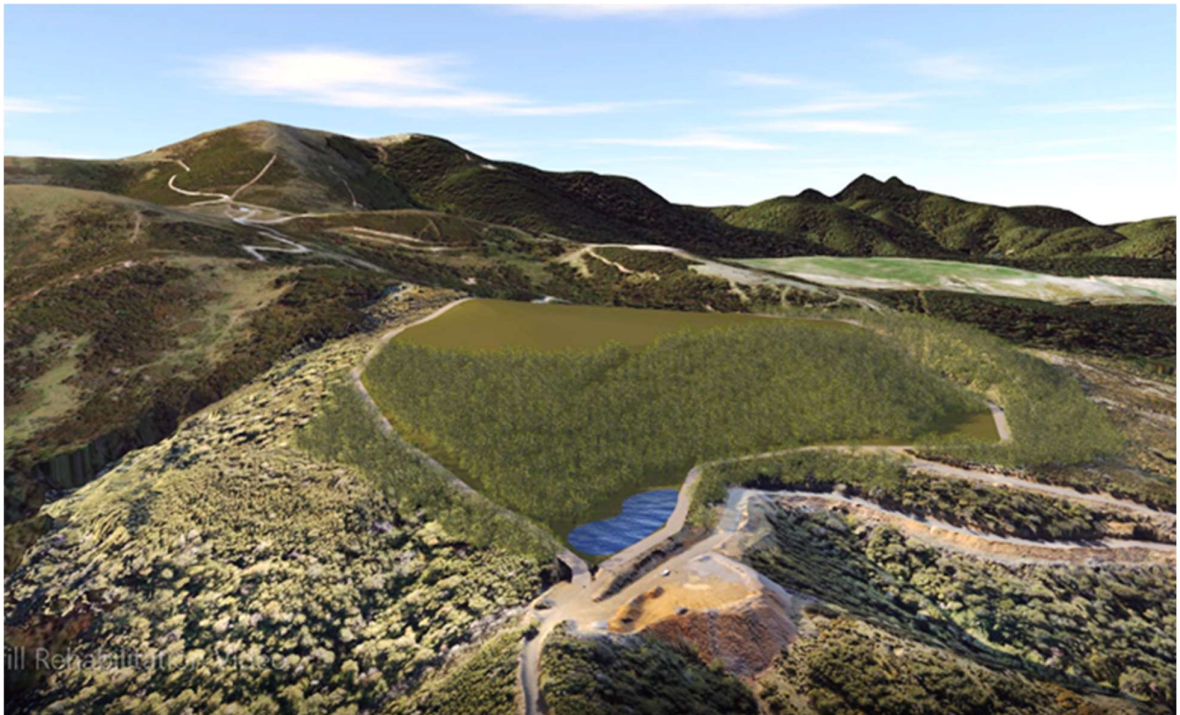


Woodstock Landfill

**Proposed Conditions
of Consent for
WDC Land Use Consent**



INDIGENOUS REGENERATION *through* INNOVATIVE LANDFILL PRACTICE

| DOCUMENT OWNER | |
|-----------------|--|
| Document Owner: | Woodstock Quarries Ltd |
| Document Name: | Woodstock Quarry WDC Proposed Conditions of Land Use Consent |

| DOCUMENT CONTROL | | | | |
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| 1 | 17 May 2021 | Martin Pinkham | Emma Frazer | Darryn Shepherd |
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1.0 Introduction

Woodstock Quarries Ltd (WQL) is proposing to construct and operate a Landfill (the landfill) located below Mt Wilson, approximately 16 km west of Oxford, North Canterbury.

2.0 Proposed Conditions of Consent

WQL will be responsible for the design, construction, operation, closure, and aftercare of the landfill. WQL seeks to ensure that the landfill is designed and operated in such way that any potential adverse human health and environmental effects are avoided, managed, or mitigated.

WQL is proposing the following conditions of consent for the Waimakariri District Council Land Use Consent. The reference WQL5 in the table below is an interim reference until such time that Waimakariri District Council issues a resource consent number.

WQL has also submitted proposed conditions of consent to Environment Canterbury for the land use and discharge consents to be administered by them. The proposed conditions, WQL0 to WQL4 inclusive, are enclosed in Appendix 10 Proposed Conditions of Consent.

Table 1 **Schedule of Consents**

| Reference | Type | Name |
|-----------|-------------------------|--|
| WQL0 | General | <ul style="list-style-type: none">• General Conditions that apply to all consents |
| WQL1 | Land Use consent | <ul style="list-style-type: none">• Excavation of material (quarry rock) over an aquifer• Deposition of material (C & D waste) over an aquifer within 5 metres of highest groundwater• Deposition of hazardous waste (contaminated soil) onto land where the contaminant may enter water |
| WQL2 | Water permit | <ul style="list-style-type: none">• Drain water using subsoil drainage pipes |
| WQL3 | Discharge permit | <ul style="list-style-type: none">• Discharge of clean stormwater and drainage water to land from a contaminated site• Discharge of landfill leachate back into landfill |
| WQL4 | Discharge to air permit | <ul style="list-style-type: none">• Discharge landfill gas, leachate, dust, and odour to air from an industrial activity (quarry and landfill) |
| WQL5 | WDC Land Use consent | <ul style="list-style-type: none">• Undertake earthworks (quarry and landfill)• Establish and operate a landfill |

WQL5 Undertake earthworks (quarry and landfill)

Establish and operate a landfill

- 1 All works shall be undertaken generally in accordance with the consent application documents (where applicable), except where amendments are required by conditions of these consents. In the event of differences or conflict between the measures described in the documents, and the conditions, the conditions shall prevail.
- 2 These conditions of consent shall be read in conjunction with the conditions of consent for RC185244 issued by Waimakariri District Council on 12 September 2018.
- 3 The extents of the landfill shall not extend beyond the orange line shown as Landfill Site Boundary External Area on Drawing B2 Remediated Surface Contours included with the Applications.
- 4 The final finished surface of the engineered capping of the Landfill shall not, following settlement and capping, exceed the levels shown on Drawing B2 Remediated Surface Contours included with the Applications.
- 5 Noise generated from activities relating to construction of the landfill and any upgrading of existing roads, shall comply with the provisions of NZS6803:1999 "Acoustics-Construction Noise".
- 6 The noise level (L10) from landfill operations (including ongoing construction work not covered by Condition 5) shall not exceed the following limits:

| | | |
|------------------------------|--------------------|---------------|
| Monday to Saturday inclusive | 7.00 am to 7.00 pm | 50 dBA(L10) |
| Sundays and public holidays | 9.00 am to 7.00 pm | 50 dBA (L10) |
| Daily | 10.00 pm to 7.00am | 70 dBA (Lmax) |
| At all other times | | 40 dBA(L10) |

The noise level shall be measured at the boundary of the site in accordance with the requirements of NZS 6801: 1991 and assessed in accordance with the requirements of NZS 6802: 1991.
- 7 There shall be no general public access to the site.
- 8 The Consent Holder shall construct and maintain a stockproof fence around the perimeter of the site.
- 9 Waste shall be delivered to the site only in vehicles suitable for the transport of waste, with waste securely contained (fully enclosed or covered) in a manner that prevents the escape of liquid or solid material from the vehicle, and offensive or objectionable odour, and by parties who have been given prior written authorisation by the Consent Holder.
- 10 All vehicles with access to the landfill face must go through the wash down area before travelling on a public road.
- 11 The hours of operation of the waste transport operations shall be the same as those as detailed in Condition 7.1 of RC185244.
- 12 The hours of operation of the landfill shall be same as those as detailed in Condition 7.2 of RC185244, except that on-site operations at the landfill shall be permitted outside the stated hours in the event of disruption to normal operations as result of adverse weather conditions, provided however that extraordinary operation shall not occur on more than 20 days in any calendar year. The Consent Holder shall notify the Council within 24 hours of the

event. As part of the notification the Consent Holder shall detail the nature of the disruption, and the hours during which the landfill continued to operate beyond normal hours.

- 13 Within 24 months of the commencement of waste filling, the Consent Holder shall prepare, and submit to the Council, a detailed Landscape Management Plan for approval by the WDC Plan Implementation Manager.
- 14 The Landscape Management Plan shall be prepared by a qualified Landscape Architect.
- 15 The Landscape Management Plan shall set out the proposed staging and timing of detailed design with indicative implementation and shall incorporate the following:
 - The sequential Landfill zones with temporary and permanent rehabilitation, together with indicative final contours and the proposed end use for each area restored.
 - The treatment of stockpile and borrow areas not required for any 6 month period, with the objective of avoiding erosion.
 - The transition between land uses, including management of fire risk, with the objective of minimising fire risk.
- 16 The Landscape Management Plan shall include detailed landscape drawings with the following:
 - Schedules of planting species
 - Phasing of implementation for each locality
 - Site preparation requirements and proposed protection (fencing)
 - Average planting densities
 - Grades of plantings with any staking and fertiliser requirements
 - Soil amelioration practices if required
 - Irrigation and pest control measures if required
 - Maintenance programmes detailing the manner in which the planting described above will be maintained.
- 17 The Consent Holder shall undertake progressive rehabilitation and landscaping works as each stage of the Landfill is completed, and maintain such works, in accordance with the Landscape Management Plan
- 18 The Consent Holder shall submit annually a Landscape Report to the Council. The report shall be forwarded to Waimakariri District Council by 1 November each year, unless otherwise agreed in writing with Waimakariri District Council.
- 19 The Landscape Report shall detail planting, maintenance and plant and animal pest control activities undertaken during the previous year and detailed plans for landfill stages proposed in the following year
- 20 All permanent buildings erected on the site shall be painted to blend with the surrounding area.
- 21 The total number of waste haul heavy vehicle movements to or from the site in any seven day period shall not exceed 330. For the purpose of this condition heavy vehicle means a motor vehicle (other than a motorcar that is not used, kept, or available for the carriage of passengers for hire or reward) in which the gross laden weight exceeds 3500kg but does not include an emergency response vehicle designed solely or principally for that purpose.
- 22 The total number of light vehicle movements to or from the site in any seven day period shall not exceed 90.

- 23 The Consent Holder shall record the number and type of vehicle movements to and from the site on a daily basis. This record shall be made available to the Waimakariri District Council on request
- 24 The uncovered areas of a working face shall be kept to a practicable minimum and shall not exceed the dimensions of 50 m by 50 m at any time.
- 25 Waste shall be covered with clean fill or soil cover to a minimum depth of 150mm at the end of each working day. Approved alternative daily cover materials, such as tarpaulins, may be used in lieu of the clean fill or soil cover. No waste shall remain exposed overnight.
- 26 There shall be no burning of waste materials on site.
- 27 The consent holder shall ensure that litter from its site is managed so that there are no nuisance deposits of litter beyond the boundary of the land owned by the Consent Holder, or land over which the Consent Holder has rights. There shall be a minimum of weekly monitoring and if required, clean up, together with monitoring and cleanup following any wind event which causes cessation of landfill operations.
- 28 The Consent Holder shall, as necessary, control wind blown litter by the erection of litter control fences around the operational portion of the Landfill.
- 29 During construction and operation of the landfill, the consent holder shall be responsible for ensuring water equipment is provided to ensure that surfaces are kept damp to prevent dust generation beyond the boundaries of the site.
- 30 The Consent Holder shall engage a suitably qualified independent pest control organisation to undertake a vermin survey of the site prior to commencement of operation and then at intervals of not more than twelve months for the period of the landfill operation following the commencement of this consent. The results of such surveys are to be made available to the Council by 1 November each year. If increased vermin levels are reported the Consent Holder shall take immediate action to reduce vermin.
- 31 In the event that a civil emergency is declared by any of the territorial authorities in the Canterbury Region consent conditions 11, 20, 22 and 23 relating to hours of operation, traffic numbers, working face and daily cover may be varied as required to comply with directions issued by a CDEM Controller acting in accordance with Section 85 of the Civil Defence and Emergency Management Act. The Consent Holder shall notify the Council within 24 hours of the event. As part of the notification the Consent Holder shall detail the nature of the changes required to comply with the directions of a CDEM Controller.
- 32 In the event of closure of the landfill before it has reached its design profile ("early closure"), the Consent Holder shall provide a Closure Plan to Waimakariri District Council, detailing the construction works necessary to close the operating landfill and move to the aftercare stage.
- 33 A certificate signed by the person responsible for designing the early closure of the landfill and associated systems and structures or a competent person shall be submitted to the Waimakariri District Council within one month of completion of closure construction to certify that the works were carried out in accordance with the design plans submitted.