

CCC RMA/2019/373 Proposed Conditions

	Condition
	General
1	Except where varied by the conditions of this consent, the development shall proceed in accordance with the information and plans submitted with the application, including the further information and submitted plans.
2	The lapsing date for the purpose of Section 125 shall be 7 years from the date of granting of the consent.
3	The duration of this consent shall be limited to a period of 20 years from the date of grant of consent, including the 7-year lapse period. The site is to be fully rehabilitated within the 20-year period.
	Enabling works and maintenance
4	<p>Shelter-belt Planting</p> <ol style="list-style-type: none"> 1. Prior to excavating aggregate, the Consent Holder shall prepare and implement a Planting Plan Illustrating shelter-belt planting along the following boundaries: <ol style="list-style-type: none"> a. The quarry and the McLeans Island Grassland Reserve; b. The quarry and the property at 133 Conservators Road (Stocks property); c. The quarry and the property at 93 Conservators Road (Higgs property); and d. The quarry light vehicle accessway and 21 Conservators Road (the Harewood Gravels Limited property). 2. This Planting Plan shall be submitted to the Resource Consent Unit Manager, Christchurch City Council for review and certification. If the consent holder has not received a response from the Resource Consent Unit Manager within 20 working days of the date of submission, the Planting Plan will be deemed to be certified. 3. If the response from the Resource Consent Unit Manager is that they are not able to certify the management plan they must provide the consent holder with reasons and recommendations for changes to the Planting Plan in writing. The consent holder must consider any reasons and recommendations and resubmit an amended Planting Plan for certification. 4. If the consent holder has not received a response from the Resource Consent Unit Manager within 5 working days of the date of resubmission under the above condition, the Planting Plan will be deemed to be certified. 5. Planting depicted on the Planting Plan is to be carried out within 6-months of the grant of consent and shall be maintained for the duration of the consent term.
5	Tree planting within shelter belts which are required for visual mitigation should be selected from the list contained in the District Plan Appendix 6.11.6 (Chapter 6 – General Rules and Procedures) specific to ‘trees suitable for visual mitigation of quarrying activities and planted at maximum 1.5m spacings’.

6	Shelter belt planting along the boundary shared with the McLeans Grassland reserve shall be selected from the same list; however, the tree species shall be restricted to native tree species only.
7	These trees should be planted and managed in such a way that they reach a minimum 3m in height within 3 years. From there on the shelter belts should be managed so that they attain a height of 8.0m and should be maintained at this height for the duration of the extraction and rehabilitation activities.
8	All shelter belts should be planted within a landscape strip which is a minimum of 1.5m in width, to allow room for tree growth and tree maintenance.
9	Any trees that are dead damaged or diseased should be replaced with trees of an equivalent variety and size within the next available tree planting season (1 April to 31 August).
10	<p>Bunds</p> <p>Prior to excavation and processing of aggregate commencing on site, and following the planting required under condition X, the following further enabling work is to occur:</p> <ol style="list-style-type: none"> a. Topsoil shall be stored in a bund at least three (3) metres in height along the north-eastern boundary as shown on Plan RMA/2019/373A. The bunding shall be grassed to reduce erosions losses. <ol style="list-style-type: none"> i. Once established, the grass cover should be maintained so that the grass is mown or grazed to achieve a tidy appearance. ii. All topsoil is not to be compacted during spreading, and is to be tilled or ripped to improve drainage. iii. Monitoring and maintaining the progress of the vegetation and reseeding if necessary, i.e. if the germination rate is satisfactory, controlling weeds, mowing and/or grazing to ensure rehabilitated areas are functioning appropriately, with a minimum 80% grass cover, post-closure, for a period of 24 months. iv. All topsoil, which is not used for bunding purposes, shall be stockpiled for use in land rehabilitation on the site. b. A one (1) metre high bund shall be constructed between the light vehicle accessway and the Quarry Pit as detailed in Plan RMA/2019/373A. c. The bunds shall have a slope of 1:3 (one vertical to three horizontal). d. The bunds are to be grassed within the first grass growing season after construction (late summer March/ April or spring September/ October) to achieve 100% grass cover within 60 days after planting, using low-seed generating grass species which do not attract birds. <p>The location of the bunds shall be in accordance with the revised landscape plans and cross-sections, lodged with the Council 12 February 2020 (Plan XYZ).</p>
11	The Christchurch City Council's Compliance and Investigations Team shall be notified not less than 48 hours prior to the commencement of site enabling works, along with the contact details (including afterhours contact details) of the person that will be responsible for implementing the Quarry Management Plan (QMP).
12	<p>Prior to the commencement of quarry activities authorised in Condition 1 commencing, all personnel working on the site shall be made aware of and have access to:</p> <ol style="list-style-type: none"> a. The contents of this resource consent document; b. The Quarry Management Plan prepared in accordance with Condition 7 of this resource consent. c. The Site Management Plan, prepared in accordance with Condition 10 of this resource consent d. The Cleanfill Management Plan, prepared in accordance with Condition 16-20 of this resource consent;

	<ul style="list-style-type: none"> e. The Quarry Rehabilitation Plan, prepared in accordance with Conditions 22- 23 of this resource consent; f. The Dust Management Plan prepared in accordance with condition 73 of this resource consent.
	Management Plans
13	<ol style="list-style-type: none"> 1. At least 20 working days prior to the commencement of quarry activities authorised in Condition 1, the Consent Holder shall prepare and submit a Quarry Management Plan (QMP) to the Christchurch City Council, via rcmon@ccc.govt.nz, Attention: Team Leader, Compliance and Investigations for certification. The QMP shall: <ul style="list-style-type: none"> a. Be retained on site at all times; b. Include a description of the content and purpose of the QMP; c. Details of the operation of the site, including details of staging of works, area, depth, cleanfilling activities and site rehabilitation; d. Provide details of the operation of the site, including details of staging of works, area, depth; e. Provide details of the on-site staff training procedures; f. Provide evidence that the Consent Holder has incorporated any feedback received from Transpower New Zealand Limited and the Christchurch International Airport Limited; g. Contain the following management plans: <ol style="list-style-type: none"> i. The Site Management Plan, prepared in accordance with Condition 10 of this resource consent; ii. The Cleanfill Management Plan, prepared in accordance with Condition 16-20 of this resource consent; iii. The Quarry Rehabilitation Plan, prepared in accordance with Conditions 22 – 23 of this resource consent; iv. The Spill Management Plan, prepared in accordance with Conditions 26-27 of this resource consent; v. The Quarry Operational Management Plan, prepared in accordance with the CRC consent CRC193563; vi. The Dust Management Plan prepared in accordance with condition 73 of this resource consent. vii. Quarry Environmental Site Management Plan (QESMP) prepared in accordance with condition 51 of this resource consent. 2. If the consent holder has not received a response from the Team Leader, Compliance and Investigations within 20 working days of the date of submission under condition 7, the QMP must be deemed to be certified. 3. If the response from the Team Leader, Compliance and Investigations is that they are not able to certify the management plan they must provide the consent holder with reasons and recommendations for changes to the QMP in writing. The consent holder must consider any reasons and recommendations and resubmit an amended QMP for certification. 4. If the consent holder has not received a response from the Team Leader, Compliance and Investigations within 5 working days of the date of resubmission under the above condition, the QMP must be deemed to be certified.
14	<p>The QMP shall include:</p> <ul style="list-style-type: none"> a. The name, experience and qualifications of the person(s) nominated by the Consent Holder to supervise the implementation of, and adherence to, the QMP;

	<ul style="list-style-type: none"> b. Details of the contractor's liability insurance held to cover any costs, direct or indirect, associated with any damage to the transmission lines, directly or indirectly caused by works undertaken while undertaking the activities authorised in this resource consent; c. Procedures, methods and measures to demonstrate that all quarrying, cleanfilling and site rehabilitation activities undertaken on the site will meet the safe distances within the New Zealand Electrical Code of Practice for Electrical Safe Distances 2001 (NZECP 34:2001) or any subsequent revisions thereof, including those relating to: <ul style="list-style-type: none"> i. Excavation and Construction near Towers (Section 2); ii. Ground to conductor clearances (Section 4); iii. Mobile Plant to conductor clearances (Section 5); and iv. People to conductor clearances (Section 9). d. Details of any areas 'out of bounds' with which additional management measures are required, such as fencing off, entry and exit hurdles, maximum height limits, or where a safety observer may be required (a safety observer will be at the Consent Holder's cost); e. Demonstrate how the effects of dust (including any other material potentially resulting from construction activities able to cause material damage beyond normal wear and tear) on the transmission lines will be managed; f. Demonstrate how the existing transmission lines and support structures will remain accessible during and after quarrying activities; g. Details of proposed contractor training for those working near the transmission lines; h. Procedures, practices and measures designed to ensure that all quarrying, cleanfilling and site rehabilitation activities undertaken on site avoid any increased potential for the risks associated with bird strike, the potential distraction of aircraft and pilots from fixed lighting, and the potential for quarry related dust to affect Christchurch International Airport Limited (CIAL) infrastructure or operations; i. Demonstrate how bird strike management will be implemented to protect CIAL operations; j. Details of the design and operation of any fixed lighting that may be installed at the Quarry, and the implementation of a lighting plan for submission to CIAL; and k. Identify any other potential effects on CIAL and the management practices in place to minimise these effects.
15	<p>The QMP and associated management plans shall be reviewed and updated as necessary and at least every two years. Any amendments shall be:</p> <ul style="list-style-type: none"> a. For the purpose of improving the efficacy of management plans; b. Consistent with the conditions of this resource consent; and c. Submitted in writing to the Christchurch City Council, via rcmon@ccc.govt.nz, Attention: Team Leader, Compliance and Investigations, for certification in accordance with Condition (8) prior to any amendment being implemented.
16	<p>Prior to the commencement of quarrying activities on site in accordance with Condition (1), the Consent Holder shall prepare a Site Management Plan (SMP). The SMP shall be provided to the Christchurch City Council, via rcmon@ccc.govt.nz, Attention: Team Leader, Compliance and Investigations at least 20 working days prior to the commencement of remediation works on-site. The SMP shall:</p> <ul style="list-style-type: none"> a. Be prepared by a suitably qualified experienced practitioner; b. Include a Remedial Action Plan (RAP) that outlines the approach to remediating the site including extent of remediation, remediation methodology and scheduling, contaminated material disposal location and validation sampling plan; and c. Be prepared in accordance with the Ministry for the Environment Contaminated land management guidelines No. 5: Site investigation and analysis of soils (Revised 2011).
17	<ul style="list-style-type: none"> 1. Remediation works shall be undertaken in accordance with the SMP. The Consent Holder shall provide the Christchurch City Council, via rcmon@ccc.govt.nz, Attention: Team Leader,

	<p>Compliance, a Site Validation Report (SVR) to confirm that the site has been remediated in accordance with the SMP provided in accordance with Condition (12). The SVR shall:</p> <ol style="list-style-type: none"> a. Be prepared and undertaken by a Suitably Qualified Experienced Practitioner; and b. Be prepared and undertaken in accordance with the Ministry for the Environment Contaminated land management guidelines No. 5: Site investigation and analysis of soils (Revised 2011). <p>Quarrying activities shall not commence until certification has been received from Christchurch City Council that the site has been remediated in accordance with the RAP.</p> <ol style="list-style-type: none"> 2. If the consent holder has not received a response from the Team Leader, Compliance and Investigations within 20 working days of the date of submission of the SVR under condition 11, the SVR must be deemed to be certified. 3. If the response from the Team Leader, Compliance and Investigations is that they are not able to certify the SVR they must provide the consent holder with reasons and recommendations for changes to the SVR in writing. The consent holder must consider any reasons and recommendations and resubmit an amended SVR for certification. 4. If the consent holder has not received a response from the Team Leader, Compliance and Investigations within 5 working days of the date of resubmission under the above condition, the SVR must be deemed to be certified.
18	<p>The Consent Holder shall:</p> <ol style="list-style-type: none"> a. Dispose of all material removed in accordance with Condition 16 and 17 off-site at a suitably licenced facility; and b. Provide the Canterbury Regional Council, Attention: Regional Leader - Compliance Monitoring with written confirmation of the disposal undertaken in accordance with Condition (14)(a) within ten working days of the disposal taking place.
19	<p>Cleanfilling shall be undertaken in accordance with a Cleanfill Management Plan (CMP). The CMP shall be retained on site at all times and the Consent Holder shall ensure all appropriate personnel working on the site are made aware of and have access to it. The CMP shall include:</p> <ol style="list-style-type: none"> a. A description of the content and purpose of the CMP; b. Demonstrate how Condition (16) to (19) of this resource consent will be complied with; c. Details of the operation of the site, including details of staging of works, area, depth, cleanfilling activities and site rehabilitation; d. Details of the on-site staff training procedures; e. The contact details of the staff member(s) responsible implementing the CMP; f. Details of the actions to be undertaken to ensure compliance with the conditions of this resource consent and actions to be undertaken in response to any incident that may adversely affect the environment; g. The steps to be undertaken to correct incidences of non-compliance with the conditions of this consent; h. A description of operational procedures and monitoring that will be used to prevent unauthorised cleanfill material from entering the site; i. A list of acceptable cleanfill material; j. How rejected cleanfill material will be stored pending its removal to an authorised landfill; k. The maximum length of time that rejected material can be stored on site pending its removal; l. Construction procedures to ensure the long-term stability of cleanfill areas; m. Procedures for improving and/or reviewing the CMP; and n. Procedures for responding to complaints.

	Excavation
20	Excavation of aggregate and deposition of cleanfill shall only occur where the quarry floor maintains at least one metre separation depth to the highest groundwater level. This shall be achieved by ensuring the base of the quarry is no deeper than: <ul style="list-style-type: none"> a. 40.1 metres above sea level in Stage One; b. 39.1 metres above sea level in Stage Two; and c. 38.1 metres above sea level in Stage Three.
21	Once the final pit depth and suitable working area on the pit floor has been established all excavation of aggregates shall occur from the quarry face in a west to east direction.
	Cleanfilling
22	Material deposited in the excavated area for the purpose of cleanfilling and rehabilitation shall: <ul style="list-style-type: none"> a. Only include material defined as cleanfill in accordance with the document – “A Guide to Cleanfill Management”; MfE; 2002. b. Not contain more than 3% vegetative matter; c. Only include material that meets the Canterbury Regional background levels which are described in Background concentrations of selected trace elements in Canterbury soils. Addendum 1: Additional samples and Timaru specific background levels. Environment Canterbury Report R07/1/2, Trace Elements Level 2: Regional – Recent for Heavy Metals; d. Not be deposited into groundwater or standing water; and e. Be located at least one metre above the highest groundwater level as determined under conditions of this resource consent. <p>Advice Note:</p> <ol style="list-style-type: none"> 1. <i>The Consent Holder may use Canterbury Maps as a tool to determine whether a source site has the same background levels of contaminants as the SOL Quarry.</i> 2. <i>A definition of cleanfill is attached as Schedule 1.</i>
23	When material is received on-site for deposition, the Consent Holder shall: <ul style="list-style-type: none"> a. Weigh and inspect, at the site weighbridge, all incoming loads of cleanfill material; b. Deposit loads of cleanfill material in an area designated within the Crushing Area, a minimum of 3-metres above the Quarry Pit floor; c. Inspect the load deposited under Condition 23 (b) to ensure it meets the cleanfill acceptance criteria specified in Condition (22) and the load description provided in accordance with Condition (22)(d) before filling occurs; d. Reject any load that does not meet the cleanfill acceptance criteria specified in Condition (22) and/or the load description provided in accordance with Condition (23)(d); and e. Update the electronic record in accordance with Condition (23) by recording the weight and inspection information referred to in Condition (22)(a) and (22)(c).
24	An electronic record of all cleanfill material deposited at the site shall be maintained and held on site for the duration of this resource consent. This record shall include: <ul style="list-style-type: none"> a. The name of the person and company delivering the material; b. The date of delivery and date of cleanfill deposition; c. The physical address of the land the material was sourced from; d. A description of the material; e. The LLUR will be used to provide evidence that cleanfill material from a site will meet the cleanfill acceptance criteria, including an assessment of any Site Remediation Reports identified in the LLUR; f. Any authorisation under which the material was removed from the source site (e.g. resource consent);

	<ul style="list-style-type: none"> g. The weight or volume of the delivered material; h. The approximate location of the load within the site following deposition; and i. A signed declaration or formal agreement between each person delivering cleanfill to the site and the Consent Holder that the deposited material meets the acceptance criteria specified in Condition (14) of this resource consent. <p>The Consent Holder shall maintain a back- up copy of the electronic record. The electronic record shall be provided to Christchurch City Council in September of each year or on request.</p>
25	<ul style="list-style-type: none"> a. If any material other than cleanfill is suspected or confirmed at the deposition area, the Consent Holder shall: <ul style="list-style-type: none"> ii. Ensure the area is marked and closed off immediately; iii. Remove this material within five working days of identifying that it should not have been deposited; and iii. Arrange for its disposal. b. Any material rejected in accordance with Condition (23)(d) or removed from the site in accordance with Condition (25)(a), shall be disposed of at a suitably licensed facility, and the Consent Holder must provide the Canterbury Regional Council, Attention: Regional Leader – Compliance Monitoring with written confirmation of such disposal within ten working days of the disposal taking place.
26	<p>No cleanfill material shall be deposited at the site which has been sourced from a site defined as ‘potentially contaminated’.</p> <p>Advice Note: <i>For the purpose of this consent, ‘potentially contaminated’ means a part of a site where an activity or industry described in the list in Schedule 3 of the Canterbury Land and Water Regional Plan, which is attached as Attachment 1 and forms part of this resource consent, has or is being undertaken on it or where it is more likely than not an activity or industry described in the list in Schedule 3, is being or has been undertaken on it, but excludes any site where a detailed site investigation has been completed and reported and which demonstrates that any contaminants in or on the site are at, or below, background concentrations.</i></p>
	Groundwater
27	At all times and in all circumstances, the Consent Holder shall limit excavations to one metre above both the highest groundwater level for the site.
	Rehabilitation
28	<p>Rehabilitation shall be undertaken in accordance with a Quarry Rehabilitation Plan. The Quarry Rehabilitation Plan shall be retained on site at all times and the Consent Holder shall ensure all appropriate personnel working on the site are made aware of and have access to it. The Quarry Rehabilitation Plan shall:</p> <ul style="list-style-type: none"> a. Demonstrate how Condition (23) of this resource consent will be complied with; and b. Contain a description of the content and purpose of the Quarry Rehabilitation Plan.
29	<p>The Consent Holder shall progressively rehabilitate the site and shall ensure that any area where cleanfilling activities have been completed is rehabilitated within six-months of the completion of cleanfilling. The rehabilitation shall include but not be limited:</p> <ul style="list-style-type: none"> a. Backfilling of the area with cleanfill, to a minimum of six metres above the deepest excavation level as defined in Condition (20); b. Spreading a minimum depth of 300mm of topsoil over the site. The Consent Holder shall utilise stored overburden and topsoil from the bunds to rehabilitate the site; c. The development of a free-draining and stable landform;

	<ul style="list-style-type: none"> d. Re-grassing and re-planting all exposed areas as soon as practicable to prevent erosion losses; e. Any re-grassing or re-planting undertaken in accordance with Condition (23)(d) shall use low-seed generating grass species which do not attract birds or insect species, that subsequently attract birds; f. Ensuring the batter slope on completion of rehabilitation will be no steeper than 1 vertical (v) : 3 horizontal (h); g. Monitoring and maintaining rehabilitated areas to ensure they are functioning appropriately post-closure; h. Removing all mobile machinery and plant from the site; i. Ensuring the site is suitable for the future use of the site; and j. The rehabilitation of the site shall be undertaken so that a completed grass cover is achieved no later than 5 months from completion of all excavation and cleanfilling activities. Dust mitigation measures in accordance with CRC193564 shall continue to be employed on site until this grass cover is achieved.
30	The boundary shelter-belt plantings are not to be removed during the quarry rehabilitation works or at the end of the consent duration. The boundary shelter-belt plantings are to remain in-situ.
	Hazardous Substances
31	<ul style="list-style-type: none"> 1. All site enabling earthworks and removal of contaminated buildings shall be undertaken in accordance with an approved Site Management Plan (SMP). The consent holder shall prepare a SMP and submit this to Christchurch City Council, Attention: Team Leader Environmental Health, by way of email to rcmon@ccc.govt.nz at least 10 working days prior to the commencement of the site enabling works. The information contained in this SMP shall include contaminated soil and buildings will be investigated, managed and disposed of. This plan is to be certified by the Team Leader Environmental Health (or their nominee) as meeting the requirements of this condition prior to the commencement of any earthworks. Once certified, the SMP will thereafter form part of the Approved Consent Document. 2. If the consent holder has not received a response from the Team Leader Environmental Health within 20 working days of the date of submission under condition 31, the SMP must be deemed to be certified. 3. If the response from the Team Leader Environmental Health is that they are not able to certify the management plan they must provide the consent holder with reasons and recommendations for changes to the SMP in writing. The consent holder must consider any reasons and recommendations and resubmit an amended SMP for certification. 4. If the consent holder has not received a response from the Team Leader Environmental Health within 5 working days of the date of resubmission under the above condition, the SMP must be deemed to be certified.
32	<p>Once certified by CRC, the Consent Holder shall submit the Spill Management Plan (SMP) for the site to Christchurch City Council, via rcmon@ccc.govt.nz, Attention: Team Leader, Compliance. The SMP shall:</p> <ul style="list-style-type: none"> a. Demonstrate how Conditions (25) to (28) will be complied with; b. Contain a description of the content and purpose of the SMP; c. Document measures to prevent leaks and avoid spills of fuels or any other hazardous substance; d. Set out procedures to be undertaken in the event of a spill of fuel or any hazardous substance in accordance with Condition (28); e. Detail contingency measures to be used on site; f. A spill response plan;

	<ul style="list-style-type: none"> g. Detail instructions for removing and disposing of all material potentially contaminated or contaminated by a spill; h. Details for reporting and recording spills; i. Set out staff training requirements for responding to spills. j. The quarry pit, with the exception of the mobile plant; and k. Refuelling shall only be undertaken using: <ul style="list-style-type: none"> i. An up to 500 litre double skinned tank with an electric pump contained inside the tank's outer skin; and ii. A double skinned hose line with a transparent outer skin and an auto shut off nozzle; iii. A "spill mat" capable of absorbing oil and petroleum products, and of a minimum size of 1.5 metres by 1.5 metres, shall be positioned under the fill point in order to intercept any spill from the nozzle. iv. The "spill mat" detailed in clause iii shall be replaced following the absorbance of spills with a cumulative volume of 10 litres or more or if otherwise damaged to such a state that it can no longer adequately intercept and absorb any spills. v. A spill kit, that is capable of absorbing the quantity of oil and petroleum products that may be spilt on site at any one time, shall be kept on site at all times; vi. A written spill response plan shall be developed and communicated to all persons undertaking activities authorised by this consent and a copy kept on site at all times. The plan shall detail the methods and processes to be used by the Consent Holder to clean up a spill and shall include, but not be limited to: <ul style="list-style-type: none"> 1. Emergency contact information for the Canterbury Regional Council Pollution Hotline; 2. Emergency contact information for a waste management service provider with appropriate qualifications and equipment for cleaning up spills of oil and petroleum products; 3. Instructions for operating the spill kit kept on site in accordance with clause (v); 4. Instructions for removing and disposing of contaminated material in a manner suitable to ensure no contamination of ground water or surface water occurs.
33	<p>The Consent Holder shall ensure there is no refuelling undertaken within:</p> <ul style="list-style-type: none"> a. 20 metres of flowing water; b. No storage of fuels or lubricants for vehicles and machinery within the quarry pit; c. Appropriate servicing and maintenance of vehicles and machinery such that they do not result in leaks or spills; d. Only undertaking maintenance on vehicles or machinery on hardstand surfaces that are roofed; e. Keeping a spill kit capable of absorbing all fuel and oil products on site and available at all times; and f. Training all staff involved in the refuelling or maintenance activities in the use of spill kits.
	<p>Quarry Operations Management Plan</p>
34	<p>Prior to the commencement of any activity authorised by this consent, the Consent Holder shall produce a Quarry Operations Management Plan. In particular, the Operations Management Plan shall:</p> <ul style="list-style-type: none"> a. Include the construction drawings and procedures, methods and measures to address the following: <ul style="list-style-type: none"> i. Dust control, including specific reference to the protection of overhead transmission lines and towers; ii. Earthworks; iii. Maintenance at all times of adequate electrical safety clearances as required by NZECP34 between buildings, structures, earthworks, mobile plant, personnel working near the transmission lines and the conductors of the overhead transmission lines.

	<p>Maintenance of existing access arrangements to the transmission lines and towers; and</p> <ul style="list-style-type: none"> iv. Potential adverse effects on the structural integrity of the transmission line towers from changes to the drainage and runoff characteristics during the post site development. <p>b. Describe the procedures and practices designed to avoid any adverse effects associated with the Quarry operations on CIAL assets, infrastructure and/or operations, including:</p> <ul style="list-style-type: none"> i. Ensuring there are no permanent waterbodies created as a result of quarrying operations or site rehabilitation practices. ii. Providing appropriate drainage, ensuring the potential for temporary standing water is minimised, particularly after rainfall events, with respect to all quarrying and site rehabilitation works. iii. Utilising low-seed generating grass species which do not attract birds or insect species that in turn attract birds for all quarry operations that require revegetation. iv. Managing all waste and rubbish on-site through the use of a covered skip. Ensure the waste skip shall be emptied monthly by an approved contractor and the waste disposed of to an approved waste-transfer station. v. Fixed lighting shall not be installed at the Quarry. However, in the unlikely event that fixed lighting is required as a result of Health & Safety legislative requirements for quarrying operations, the fixed lighting shall be installed and operated in such a way as to not distract aircraft pilots. The Consent Holder shall submit a Lighting Plan to CIAL for certification prior to the install of any fixed lighting. <ol style="list-style-type: none"> 1. If the consent holder has not received a response from the CIAL regarding certification within 20 working days of the date of submission under condition 42, the Lighting Plan must be deemed to be certified. 2. If the response from CIAL is that CIAL is not able to certify the management plan CIAL must provide the consent holder with reasons and recommendations for changes to the Lighting Plan in writing. The consent holder must consider any reasons and recommendations and resubmit an amended Lighting Plan to CIAL for certification. 3. If the consent holder has not received a response from CIAL within 5 working days of the date of resubmission under the above condition, the Lighting Plan must be deemed to be certified. <ul style="list-style-type: none"> vi. Installing and operate real-time dust monitors on the boundary of the Quarry, providing a real-time alert to Quarry management relating to any fugitive dust events.
	Transpower
35	No activity authorised by the consent shall be undertaken unless the Consent Holder has provided adequate evidence that the minimum safe distances required by NZECP 34:2001 will be met or that Transpower NZ Limited has provided written confirmation to the Quarry Manager or other nominated person(s) of it consenting to those distances being reduced. A copy of the electrical engineer's report confirming that the distances have been met is to be submitted to Transpower NZ Limited.
36	Where landscaping is to be undertaken, all newly planted low-seed generating grass species which do not attract birds or insect species that in turn attract birds, shall: <ul style="list-style-type: none"> a. Be setback by a horizontal distance of at least 12 metres either side (total of 24 metres) from the centre line of all Transpower transmission lines; and b. When fully-grown, not come within 5 metres of the said Transpower transmission lines and not be able to fall within 5 metres of the said transmission lines.
37	The Consent Holder shall: <ul style="list-style-type: none"> a. Ensure that the vertical distance from the ground to the conductors will not be reduced to less than the minimum required by NZECP34 subsection 4.3.1 outlined in Table 4. b. Undertake excavations so there is a batter slope no steeper than 1(v):3(h) between the setback described in Condition (50) and the nearest excavation pit.

	<ul style="list-style-type: none"> c. Ensure that the processing plant used for aggregate crushing and screening is not located within 100m from the centre line of the Islington-Kiliwa B National Grid transmission lines. d. Not undertake cleanfilling or extractions within a horizontal distance of 20 metres from the outside edge of the Islington-Kiliwa B National Grid transmission lines between Towers ISL-KIK-A0018 and ISL-KIK-B00.
38	Any batter slope between the 20-metre setback, as specified in Condition (32) and the nearest excavation pit shall be designed by a Suitably Qualified Geotechnical Professional, and erosion control measures employed and maintained as necessary, to ensure the long-term integrity of the slope. This shall be confirmed in writing by the geotechnical professional and submitted to Transpower along with the proposed quarry designs for review at least 20 working days prior to Quarry activities occurring within 100-metres of the foundation of any transmission line tower, and at least 20 working days being submitted to the Council for certification. Any comments provided by Transpower must be submitted to the Council.
39	<p>Before any quarry activities commences on site, the Consent Holder shall commission a Suitably Qualified Electrical Engineer, who is experienced with high voltage transmission lines, to undertake an assessment of:</p> <ul style="list-style-type: none"> a. The existing clearances between the ground and the conductors; and b. The expected clearances between the ground and the conductors upon completion of the earthworks.
40	<p>The Consent Holder shall:</p> <ul style="list-style-type: none"> a. Ensure the activities authorised in Condition (1) do not create any dust hazard or nuisance to the Transpower transmission lines and towers which are within or close to the application site; b. Ensure the processing plant is not located within 100 metres from the centre line of the Islington-Kiliwa B National Grid transmission lines.
41	No filling shall be undertaken within 20 metres of the centre line of the Islington-Kiliwa B National Grid transmission lines between Towers ISL-KIK-A0018 and ISL-KIK-B00.
	Christchurch International Airport
42	<p>The Consent Holder shall adopt the following procedures and practices specifically designed to avoid any adverse effects associated with the Quarry operations on CIAL assets, infrastructure and/or operations:</p> <ul style="list-style-type: none"> a. Ensure no activities take place in the base of the Quarry Pit floor which involve the feeding or encouragement of birds; b. Managing the Quarry Pit floor to ensure that any surface ponding drains freely, while rehabilitated areas shall be designed and finished to be free draining surfaces. c. Ensure there are no permanent waterbodies creates as a result of quarrying operations or site rehabilitation practices; d. All quarrying and site rehabilitation works will provide for appropriate drainage, ensuring the potential for temporary standing water is minimised, particularly after rainfall events; e. All quarry operations that require revegetation shall utilise low-seed generating grass species which do not attract birds or insect species that in turn attract birds; f. All waste and rubbish on-site shall be managed through the use of a covered skip. The waste skip shall be emptied monthly by an approved contracted and the waste disposed of to an approved waste-transfer station; and g. Fixed lighting shall not be installed on the Quarry. However, in the unlikely event that fixed lighting is required as a result of Health & Safety legislative requirements for quarrying operations, the fixed lighting shall be installed and operated in such a way as to not distract aircraft pilots. The Consent Holder shall submit a Lighting Plan to CIAL for certification prior to the install of any fixed lighting.

	<ol style="list-style-type: none"> 1. If the consent holder has not received a response from the CIAL regarding certification within 20 working days of the date of submission under condition 42, the Lighting Plan must be deemed to be certified. 2. If the response from CIAL is that CIAL is not able to certify the management plan CIAL must provide the consent holder with reasons and recommendations for changes to the Lighting Plan in writing. The consent holder must consider any reasons and recommendations and resubmit an amended Lighting Plan to CIAL for certification. 3. If the consent holder has not received a response from CIAL within 5 working days of the date of resubmission under the above condition, the Lighting Plan must be deemed to be certified.
43	<p>An emergency contact person responsible for on-site operations, and their contact details shall be provided to CIAL prior to this consent being exercised.</p> <p>If the emergency contact person should change during the exercise of this consent, the Consent Holder shall advise CIAL of the new contact details of the emergency person.</p>
44	<p>All refuse bins onsite must be closed and sealed with a flush fitting lid that cannot be propped open to avoid attracting birds or rodents, to shelter the contents from rainfall, and to secure the waste in the event of windy conditions. These bins shall be used to store all refuse and all solid waste. The waste skip shall be required to be emptied monthly by an approved contracted and the waste disposed of to an approved waste-transfer station by an appropriately licenced operator.</p>
	<p>Waterway</p>
45	<p>The Stockwater Race will be realigned in accordance with Selwyn District Council guidelines (Standards W106 and W108). Selwyn District Council will be notified of the completion of the realignment and provided with the opportunity to carry out an inspection to confirm compliance.</p> <p>Advice Note: <i>Realignment of the stockwater race shall occur during the Enabling Works and shall be completed prior to the planting of shelter belt in accordance with Conditions 4 - 9.</i></p>
46	<p>The new channel is to be of equivalent flow capacity and water depth as the existing channel.</p>
47	<p>The new channel is to be constructed offline, with commissioning occurring only after the banks and the bund have been stabilised adequately using appropriate methods (e.g., using coir matting and vegetation).</p>
48	<p>Vehicles and machinery shall not enter the existing channel during the construction of the new channel.</p>
49	<p>Prior to construction commencing, an Environmental Management Plan shall be provided to rcmon@ccc.govt.nz which includes, but is not limited to:</p> <ol style="list-style-type: none"> a. Dampening of unconsolidated surfaces hourly when wind speeds are in excess of 5 m/s; b. Installation of a filter barrier at the downstream end of the new channel prior to commissioning; c. Translocation of the fish population in the existing channel by a suitably qualified and experienced freshwater ecologist shall occur upon commissioning of the new alignment; d. Cobbles from the existing channel shall also be relocated along the length of the new alignment to assist in the development of the new ecosystem; and e. The connections between the new alignment and the existing channel shall not inhibit fish passage.

	Quarry Environmental Site Management Plan (QESMP)
50	<p>The consent holder shall prepare, maintain and comply with a Quarry Environmental Site Management Plan. The QESMP shall:</p> <ol style="list-style-type: none"> a. Describe the operation of the site in relation to its impact on the environment. b. Define the actions to be undertaken to ensure compliance with all conditions of this consent or in response to any incident that may impact adversely on the environment; c. Identify the staff member responsible for each action and specify the name, experience and qualifications of a person nominated by the site owner to supervise the implementation of and adherence to the QESMP. d. Include details of the steps to be undertaken to correct any element of non-compliance. e. Include a code of conduct for drivers of vehicles and visitors to the site, including ensuring all heavy vehicle operators are aware of the heavy vehicle routes from the site to Pound Road. f. Include details of measures to prevent drivers from using the Guys Road/Ryans Road route during the morning and afternoon peak traffic periods. g. Include details of the designated route to and from the Quarry and ensure that all drivers are aware that heavy vehicles shall not take Hasketts Road, School Road or the southern section of Guys Road (School Road to Ryans Road section) when accessing or exiting the Quarry, at any time. h. Include details of the 3-strike warning system and driver ban should the drivers take the incorrect route. i. Details of the maintenance of the bunds. j. The operation of equipment to avoid excessive noise, to ensure compliance with conditions 60 to 62. k. The nature and staging of the quarrying activities. l. Details and staging of rehabilitation to ensure compliance with conditions 22 -24. m. The collection and response to complaints, to ensure compliance with condition 89. n. Maintenance and watering of the bunds.
	Traffic
51	The activity shall be limited to a maximum of 300 heavy vehicle movements per day and 30 light vehicle movements per day.
52	All heavy vehicles exiting the site between the hours of 7:00am until 9:00am and 4:00pm until 6:00pm shall not turn right and shall turn left to exit from the site onto Guys Road. The vehicle access shall be designed with control gates that are operated between these periods to ensure that heavy vehicles turn left when exiting the site.
53	Appropriate signage shall be erected at the weighbridge and at the Heavy Vehicle exit reinforcing the requirement to turn left on to Guys Road during these hours and that vehicles shall not use Hasketts Road, School Road or the southern section of Guys Road (School Road to Ryans Road section). This signage must either be in accordance with the District Plan rules for signage or a separate resource consent for the signage must be obtained.
54	The consent holder shall maintain records including an electronic record of all vehicles exiting the site and weighbridge records. This logbook and weighbridge records shall be provided to Council's Compliance and Investigations Team on a bi-monthly basis for the first 6 months and on request thereafter.
55	Heavy vehicles travelling to and from the quarry shall be instructed not to use Hasketts Road, School Road or the southern section of Guys Road (School Road to Ryans Road section), at all times.
56	To ensure all drivers are aware of the designated route, which avoids the use of Hasketts Road, School Road or the southern section of Guys Road (School Road to Ryans Road section), at all times,

	<p>all drivers shall be inducted onto the site, have signed the induction acknowledgement and been provided with a copy of the Contractor Policy and Procedure Handbook, prior to driving heavy vehicles to the site. The Handbook shall include details of the designated route to be used when accessing and exiting the Quarry, and will include an instruction to not use Hasketts Road, School Road or the southern section of Guys Road (School Road to Ryans Road section), at all times. The Handbook will also detail the 3-strike warning system and driver ban, should drivers take the incorrect route. Evidence of this shall be made available to Council monitoring staff on request. The Consent Holder shall maintain the sealed Heavy Vehicle Road in good condition, including the infilling of potholes as required.</p>
57	<p>The Consent Holder shall maintain the sealed Heavy Vehicle Road in good condition, including the infilling of potholes as required. Heavy vehicle access to the site shall be only via the existing Guys Road access. The Conservators Road access is for light vehicles only.</p>
58	<p>Traffic monitoring shall be required to be undertaken on an annual basis. Monitoring shall be undertaken using count locations in accordance with the existing Quarry specifications (consent RMA/2015/300), using Austroads or NZTA vehicle class.</p>
	<p>Noise</p>
59	<p>All construction activities from the subject site shall be designed and conducted to ensure that construction noise from the site complies with NZS 6803:199 – Acoustics: Construction Noise.</p>
60	<p>For the purpose of condition 59, construction activities shall be defined as any work required to prepare the site for excavation and shall include site rehabilitation works. In particular, activity associated with the removal of trees, relocation of the water race, construction of earth mounds and stripping/ reinstatement of topsoil shall be considered construction activities.</p>
61	<p>The cumulative noise level from quarry and associated activities including vehicle movements on the quarry site and accessway shall not exceed the following levels at the notional boundary of any existing dwelling on a neighbouring site:</p> <ol style="list-style-type: none"> a. Daytime (0700-1800): 50dB LAeq (1hr) b. Night time (1800-0700): 40 db LAeq (1hr)
	<p>Dust</p>
62	<p>The discharge of contaminants to air shall be limited to that from:</p> <ol style="list-style-type: none"> a. Site preparation, topsoil stripping, overburden removal and storage; b. Construction and maintenance of bunds and stockpiles c. Excavation, loading and transportation of aggregate; d. Stockpiling of excavated aggregate; e. Processing and crushing of excavated aggregate; f. Deposition of cleanfill; g. Rehabilitation activities at the completion of extracting aggregate; and h. Movement of vehicles associated with the above activities. <p>At 93 and 133 Conservators Road, legally described as Part RS 3579 and Lot 1 DP 82891 as shown on Plan CRC193564, attached to and forming part of this resource consent. For the avoidance of doubt, no blasting is authorised by this resource consent.</p>
63	<p>The discharge of contaminants to air associated with Condition (1)(e) shall be limited to:</p> <ol style="list-style-type: none"> a. A maximum of two crushing plants at any one time. A crushing plant shall include: <ol style="list-style-type: none"> i. A jaw crusher; ii. A cone crusher; and iii. A powerscreen;

	The crushing plants shall be located a minimum of 350-metres from the north-east boundary of the quarry.
64	The discharge of contaminants into air shall not result in an offensive, objectionable, noxious or dangerous effect beyond the site boundaries.
65	The Quarry Manager, or another nominated person, shall be available at all times (including outside quarry operation hours) to respond to dust emissions complaints and issues.
66	The operating hours of the site shall be: <ul style="list-style-type: none"> a. 0630 to 1800 on weekdays; b. 0630 to 1200 on Saturdays; Provided that: <ul style="list-style-type: none"> a. No aggregate processing, including loading, crushing, and screening, shall occur on the site prior to 0700 at any time; and b. No heavy vehicles shall access the site prior to 0700. The access gate on Guys Road shall be locked at all times prior to 0700.
67	No activities other than dust mitigation measures shall be undertaken on Sundays or public holidays.
68	The maximum open area shall be limited at any one time to: <ul style="list-style-type: none"> a. Nine hectares for the total quarrying activities area; and b. Two hectares at any one time for the active quarrying operations area.
	Automated Sprinkler System
69	<ol style="list-style-type: none"> 1. Prior to the commencement of any activities listed in Condition (1), the Consent Holder shall design an automated sprinkler system and provide the design of the systems to the Canterbury Regional Council, Attention: Regional Leader Compliance Monitoring for certification at least 20 working days prior to the sprinkler being installed; 2. The Consent Holder shall not install the automated sprinkler system until certification has been received from the Canterbury Regional Council. 3. If the consent holder has not received a response from the Regional Leader – Compliance Monitoring within 20 working days of the date of submission under condition 70, the design must be deemed to be certified. 4. If the response from the Regional Leader – Compliance Monitoring is that they are not able to certify the design, they must provide the consent holder with reasons and recommendations for changes to the plan in writing. The consent holder must consider any reasons and recommendations and resubmit an amended design for certification. 5. If the consent holder has not received a response from the Regional Leader – Compliance Monitoring within 5 working days of the date of resubmission under the above condition, the design must be deemed to be certified.
70	The automated sprinkler systems required in accordance with Condition (69) shall: <ul style="list-style-type: none"> a. Be able to be used at all times including within and outside operating hours; b. Be used in accordance with the requirement for dust suppression in accordance with Condition (74) of this resource consent; c. Comprise of at least two separate systems: <ol style="list-style-type: none"> i. At least one system shall be utilised on the bunds, stockpiles, and areas of rehabilitation; and ii. At least one system shall be utilised on the active quarrying operations.

	<ul style="list-style-type: none"> d. The automated sprinkler shall be capable of suppressing dust in accordance with Condition (3) of this resource consent for all activities described in Condition (1) of this resource consent; and e. Be maintained in accordance with the manufacturer’s specifications at least once in a 12month period for the duration of this resource consent. A record of this maintenance shall be maintained by the Consent Holder.
71	<ul style="list-style-type: none"> a. If at any time during the exercise of this resource consent, the automated sprinkler system is unavailable for use. The Consent Holder shall notify the Christchurch City Council, via rcmon@ccc.govt.nz, Attention: Team Leader, Compliance and Investigations, and b. The Consent Holder shall immediately activate alternative dust suppression systems, including the operation of a water truck and the manual operation of the sprinkler laterals; and c. The Consent Holder shall re-instate the automated sprinkler system within five days of it becoming unavailable for use.
72	<ol style="list-style-type: none"> 1. The consent holder shall prepare and submit a Dust Management Plan in accordance with the requirements of CRC193564. This is required to be certified by CRC and once certified, shall be submitted to Christchurch City Council, via rcmon@ccc.govt.nz, Attention: Team Leader, Compliance and Investigations. 2. If the consent holder has not received a response from the Team Leader, Compliance and Investigations within 20 working days of the date of submission under condition 72, the DMP must be deemed to be certified. 3. If the response from the Team Leader, Compliance and Investigations is that they are not able to certify the management plan they must provide the consent holder with reasons and recommendations for changes to the DMP in writing. The consent holder must consider any reasons and recommendations and resubmit an amended DMP for certification. 4. If the consent holder has not received a response from the Team Leader, Compliance and Investigations within 5 working days of the date of resubmission under the above condition, the DMP must be deemed to be certified.
73	<p>The Consent Holder shall utilise all reasonably practicable measures to minimise the discharge of dust from quarry activities on-site:</p> <ul style="list-style-type: none"> a. When wind speeds reach or exceed 7 m/s for a one-hour average; and b. On dry days; and c. When there is any visible emission of dust from the site.
74	<p>The Consent Holder shall ensure there are measures to minimise the discharge of dust from quarry activities, including but not limited to:</p> <ul style="list-style-type: none"> a. Assessing weather and ground conditions (wind and dryness) at the start of each day and ensuring that adequate dust mitigation measures, water for the purpose of dust suppression and methods are available for use prior to the commencement of quarry activities; b. Taking wind direction and speed into account in planning quarry activities to minimise the risk of dust dispersion beyond the boundary of the site in accordance with Condition (73) of this resource consent; c. The operation of the automated sprinkler system in accordance with Condition (70) for the purpose of dust suppression: <ul style="list-style-type: none"> i. On the active quarrying operations area; and ii. On the bunds, stockpiles, and areas of rehabilitation. d. Ensuring the haul road is maintained, regularly swept and free of potholes; e. Establishing a 3-metre-high bund on the north-eastern site boundary and a 1-metre-high bund on the south-eastern boundary prior to the commencement of quarry

	<p>operations, which are to be grassed and vegetated as soon as practicable and the cover maintained;</p> <ul style="list-style-type: none"> f. Establishing and maintaining shelterbelts around the north-western, north-eastern and south-eastern boundaries of the site; g. Grassing and vegetating bare areas as soon as practicable including bunds, overburden stockpiles and rehabilitated areas using low seed generating grass species which do not attract birds or insect species that in turn attract birds; h. Stabilising all inactive exposed surfaces if these are to remain unused for one month or more; i. Imposing a speed restriction on all internal roads of 15 kilometres per hour at all times and clearly signposting this limit on all internal roads; j. Minimising drop heights when loading trucks, conveyor hoppers and when moving material; k. Constructing and maintaining unsealed internal roads and yard areas so that they are comprised of an aggregate base, with surfaces that are graded and free of potholes; l. Using water carts as a back-up measure for dust suppression during dry conditions or where the automated sprinkler system is unavailable; m. Apply water as required on exposed surfaces, stockpiles, bunds and unsealed internal roads as required; n. Pre-dampening topsoil and overburden with a water cart or sprinklers prior to its extraction and removal; o. Minimising the exposed area to no more than 9 hectares at any one time; p. Regularly applying dust suppression measures; and q. Undertaking routine site inspections of visible dust emissions throughout each day of quarry activities and electronically logging findings and any dust suppression actions.
75	<p>Stockpiles shall be managed as follows:</p> <ul style="list-style-type: none"> a. All stockpiles emitting significant amounts of dust be dampened with water; b. Stockpiles generated during site preparation works shall: <ul style="list-style-type: none"> i. Only comprise of topsoil, overburden and aggregate; ii. Have a height no greater than 3.0 metres above natural ground level; c. Stockpiles of extracted aggregate shall: <ul style="list-style-type: none"> i. Be located within the quarry pit at a depth of at least four metres below natural ground level; ii. Have a maximum height of 7 metres; iii. Have a maximum volume of 15,000 cubic metres in any stockpile at any one time; and iv. Be located a minimum of 350 metres from the north-east boundary of the quarry. d. Any long-term stockpiles of topsoil, overburden or aggregate shall be sown with low seed generating grass species which do not attract birds or insect species that in turn attract birds.
76	<p>The Consent Holder shall use a water suppression system on the processing plants specified in Condition (64) of this resource consent at all times for the duration of this resource consent.</p>
77	<p>The Consent Holder shall maintain a record of all times when subject to a water restriction of water from the Paparua Water Race.</p>
78	<p>Prior to the commencement of any on-site activities as listed in Condition (1), the Consent Holder shall install an anemometer on the site that has a height of 10 metre above natural ground level. The anemometer shall be capable of continuously monitoring:</p> <ul style="list-style-type: none"> a. Wind direction; b. Wind speed; c. Rainfall; and d. Temperature.

79	<p>The meteorological monitoring instruments shall be:</p> <ol style="list-style-type: none"> a. Installed at a height of at least ten metres above natural ground level; b. Located at or about map reference NZTM2000 1558704 mE 5184747 mN; c. Installed and operated in accordance with AS/NZS 3580.1.1:2016. Methods for Sampling and Analysis of Ambient Air: Part 1.1: Guide to Siting Air Monitoring Equipment; and d. Able to provide and record the meteorological monitoring results continuously using an electronic data logging system with an averaging time for each parameter of not more than one minutes. e. Able to provide the meteorological data to the CRC in real-time in an appropriate format.
80	<p>Prior to the commencement of the activities in Condition (1), the Consent Holder shall ensure the installation and operation of a continuous dust monitor for the purpose of continuous PM₁₀ monitoring for the duration of this resource consent. The monitor shall be:</p> <ol style="list-style-type: none"> a. Located prior to the commencement of each day and located directly between the centre of that days quarrying activities and the nearest downwind off-site sensitive receptor; b. Located in general accordance with AS/NZS 3580.1.1:2016 Methods for sampling and analysis of air - Guide to siting air monitoring equipment; c. Installed, operated and calibrated in accordance with the AS/NZS 3580.12.1:2015 Guidelines. Methods for sampling and analysis of ambient air – Determination of light scattering – Integrating nephelometer method; d. Able to provide and record the PM₁₀ results continuously using an electronic data logging system with an averaging time for each parameter of not more than one minutes; e. Fitted with a heater so that the inlet temperature is maintained at least 10 degrees Celsius above the ambient temperature; and f. Able to provide the dust data to the CRC in real-time in an appropriate electronic format.
81	<p>The meteorological monitor and PM₁₀ monitor shall:</p> <ol style="list-style-type: none"> a. Be able to provide the results of the meteorological monitoring and PM₁₀ monitoring in real-time to the Quarry Manager or other nominated person(s) who has the responsibility of managing dust effects on site. This person(s) shall be available at all times to take immediate action to investigate and reduce site dust emissions; and b. Be fitted with an alarm system and able to send warnings and alerts to the Quarry Manager or other nominated person(s) who has the responsibility of managing dust effects on site. This person(s) shall be available at all times to take immediate action to investigate and reduce site dust emissions.
82	<p>The meteorological station specified in Condition (75) and the continuous dust monitor required in accordance with Condition (79) shall be installed and maintained accordance with the manufacturer’s specifications and by a Suitably Qualified Experienced Practitioner. The Consent Holder shall maintain a record of when maintenance is undertaken, and the type of maintenance undertaken.</p>
83	<p>The Consent Holder shall provide all PM₁₀ monitoring and meteorological monitoring data to the Canterbury Regional Council, in real-time continuous intervals Reports, monthly.</p>
84	<p>If at any time, in accordance with the monitoring undertaken in accordance with Condition (69) to (74), the following trigger values are exceeded, all on-site activities (except dust suppression measures) shall cease:</p> <ol style="list-style-type: none"> a. Wind speeds reach or exceed 7 m/s for a one-hour average period and the wind direction is between 180°N and 260°N (southerly and west-southwest); and

	<p>b. When wind speeds reach or exceed 10 m/s for a one-hour average period and the wind directions are from any other direction not specified in Condition (85)(a).</p>
85	<p>Following the cessation of quarrying activities (except dust suppression measures) in accordance with Condition (28), activities shall not recommence until the:</p> <p>a. Rolling one-hour average wind speed is below 7m/s, if the wind direction is between 180°N and 260°N (southerly and west-southwest); and</p> <p>b. Rolling one-hour average wind speed is below 10m/s per second, for any other direction not listed in Condition (85)(a).</p>
86	<p>When the wind is blowing from the south to west-southwest, measured as 180°N to 260°N in accordance with Condition (84), and when the continuous PM₁₀ monitoring required by Condition (83) indicates that the following trigger levels have been reached the consent holder shall adopt the following response:</p> <p>a. 1-hour average at 55 µg/m³ or higher shall require immediate actions to investigate and reduce site dust emissions.</p> <p>b. 1-hour average at 65 µg/m³ or higher shall require immediate cessation of all quarry activities (excluding dust suppression activities and truck loading/movements) and taking actions to investigate and reduce site emissions.</p>
87	<p>If quarrying activities cease under Condition (86)(b), the consent holder may resume quarrying activities once the 1-hour average falls back to or below the level in Condition (86)(a).</p>
88	<p>The Consent Holder shall install and operate the automated sprinkler system for dust prone areas that can be activated remotely outside of working hours in accordance with trigger levels set in the Dust Management Plan, including conditions when the:</p> <p>a. Wind speeds reach or exceed 7 m/s for two consecutive ten-minute periods and the wind direction is between 180°N and 260°N (southerly and west-southwest); and</p> <p>b. Wind speeds reach or exceed 10 m/s for two consecutive ten-minute periods and the wind directions are from any other direction not specified in Condition (32)(a); and</p> <p>c. The trigger values in Condition 86 has been exceeded.</p>
	<p>Complaints</p>
89	<p>The consent holder shall keep a record of all complaints and any responses or investigative action taken as a result. This record shall be provided to the Christchurch City Council, Team Leader, Compliance and Investigations, on request.</p>
	<p>Accidental Discovery Protocol</p>
90	<p>In the event of any discovery of archaeological material:</p> <p>a. The Consent Holder shall immediately:</p> <ol style="list-style-type: none"> i. Cease earthmoving operations in the affected area and mark off the affected area; and ii. Advise the Canterbury Regional Council of the disturbance; and iii. Advise Heritage New Zealand of the disturbance. <p>b. If the archaeological material is determined to be Koiwi Tangata (human bones) or taonga (treasured artefacts) by Heritage New Zealand, the consent holder shall immediately advise the office of the appropriate Rūnanga (office contact information can be obtained from the Canterbury Regional Council) of the discovery.</p> <p>c. If the archaeological material is determined to be Koiwi Tangata (human bones) or taonga (treasured artefacts) by Heritage New Zealand, the consent holder shall immediately advise the office of the appropriate Rūnanga (office contact information can be obtained from the Canterbury Regional Council) of the discovery.</p> <p>d. If the archaeological material is determined to be Koiwi Tangata (human bones) by Heritage New Zealand, the consent holder shall immediately advise the New Zealand Police of the disturbance.</p>

	<p>e. Work may recommence if Heritage New Zealand (following consultation with Rūnanga if the site is of Maori origin) provides a statement in writing to the Canterbury Regional Council, Attention: RMA Compliance and Enforcement Manager that appropriate action has been undertaken in relation to the archaeological material discovered. The Canterbury Regional Council shall advise the consent holder on written receipt from Heritage New Zealand that work can recommence.</p>
	<p>Review</p>
91	<p>Pursuant to Section 128 of the Resource Management Act 1991, the Christchurch City Council may, once per year, on any of the last five working days of May or November, serve notice of its intention to review the conditions of this consent for the purpose of dealing with any adverse effect on the environment and more particularly any effect associated with rehabilitation which may arise from the exercise of the consent and which is appropriate to deal with at a later stage.</p>