

Condition Number	Proposed Consent Conditions (Additional changes from the s 92 process in purple)	Comment
<b>ENVIRONMENT SOUTHLAND</b>		
<p><b>Discharge Permit</b></p> <ul style="list-style-type: none"> <li>▪ Solid waste onto or into land</li> </ul> <p><b>Expiry Date:</b> 25 years from giving effect to this consent being the date on which the consent holder surrenders [old consents].</p>		
<i>General Conditions</i>		
1.	This consent is subject to the general conditions listed in Schedule 1 – General Conditions. Where there may be differences, or apparent conflict, between the general conditions and the conditions below, the conditions below shall prevail.	
<i>Limit Conditions</i>		
2.	The discharge of waste is authorised only on the areas of the site identified as the landfill footprint, as shown on drawing number IZ000400-1000-NG-DRG-1002 attached to this consent.	
<i>Design Conditions</i>		
3.	<p>a) The leachate containment and leachate collection system for the base of the landfill, and any side slopes with a slope less than 2H:1V, shall consist of the following as a minimum, from bottom to top:</p> <ul style="list-style-type: none"> <li>▪ a groundwater underdrainage system;</li> <li>▪ a minimum of 600 millimetres of compacted soil with a permeability coefficient (k) not exceeding <math>1 \times 10^{-9}</math> metres per second;</li> <li>▪ a 1.5 millimetre high density polyethylene (HDPE) flexible membrane liner;</li> <li>▪ a 300 millimetre minimum liner protection/leachate collection layer of granular material with a permeability coefficient (k) of not less than <math>1 \times 10^{-3}</math> metres per second.</li> </ul>	

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	<p>or</p> <ul style="list-style-type: none"> <li>▪ a groundwater underdrainage system;</li> <li>▪ a minimum of 300 millimetres of compacted soil with a permeability coefficient (k) not exceeding <math>1 \times 10^{-9}</math> metres per second;</li> <li>▪ a geosynthetic clay liner (GCL), with a minimum thickness of 5 millimetres, a permeability coefficient (k) not exceeding <math>5 \times 10^{-11}</math> metres per second;</li> <li>▪ a 1.5 millimetre high density polyethylene (HDPE) flexible membrane liner;</li> <li>▪ a 300 millimetre minimum liner protection/leachate collection layer of granular material.</li> </ul> <p>or</p> <ul style="list-style-type: none"> <li>▪ a groundwater underdrainage system;</li> <li>▪ a minimum of 600 millimetres of compacted soil with a permeability coefficient (k) not exceeding <math>1 \times 10^{-8}</math> metres per second;</li> <li>▪ a geosynthetic clay liner (GCL), with a minimum thickness of 5 millimetres, a permeability coefficient (k) not exceeding <math>5 \times 10^{-11}</math> metres per second;</li> <li>▪ a 1.5 millimetre high density polyethylene (HDPE) flexible membrane liner;</li> <li>▪ a 300 millimetre minimum liner protection/leachate collection layer of granular material.</li> </ul> <p>b) An alternative to the above minimum specifications may be proposed and included in the Landfill Operations Management Plan subject to being confirmed as equivalent to the above by the Independent <a href="#">management plan reviewer(s)</a> and certified by the Council.</p>	
4.	<p>a) The leachate containment system for the side slopes of the landfill, with a slope of 2H:1V or greater shall consist of the following as a minimum, from bottom to top:</p> <ul style="list-style-type: none"> <li>▪ a groundwater underdrainage system where required <a href="#">by the Landfill Operations Management Plan</a>;</li> </ul>	

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	<ul style="list-style-type: none"> <li>▪ a geosynthetic clay liner, with a minimum thickness of 5 millimetres, a permeability coefficient (k) of not exceeding <math>5 \times 10^{-11}</math> metres per second and sufficient internal shear strength to maintain a stable configuration on slopes;</li> <li>▪ a 2.0 millimetre HDPE flexible membrane liner; and</li> <li>▪ a 300 millimetre minimum liner protection layer of soil or clay or granular material.</li> </ul> <p>b) An alternative to the above minimum specifications may be proposed and included in the Landfill Operations Management Plan subject to being confirmed as equivalent to the above by the Independent <b>management plan reviewer(s)</b> and certified by the Council.</p> <p><b><i>Advice note:</i></b> A groundwater underdrainage system may be required where karstic features are intercepted in the side walls</p>	
5.	<p>The consent holder shall prepare landfill side slopes, to ensure a smooth surface appropriate for the placement of geosynthetic liner materials. This shall include the smoothing of rough surfaces, sealing of solution features or compaction of slopes to an appropriate bearing capacity.</p>	
6.	<p>The leachate collection system shall be designed to maintain a leachate head of less than 300 millimetres on the base liner and side liner, <b>as provided for in the Landfill Leachate Management Plan.</b></p>	
7.	<p>a) Final cover and capping shall be constructed to the following minimum specification, from bottom to top, as each stage of the landfill is completed:</p> <ul style="list-style-type: none"> <li>▪ 300 millimetres intermediate cover/regulating layer of compacted soil;</li> <li>▪ 600 millimetres of compacted clay, overburden, or soil material, with a permeability coefficient (k) not exceeding <math>1 \times 10^{-7}</math> metres per second;</li> <li>▪ 300 millimetres of compacted soil (growth layer);</li> <li>▪ 150 millimetres of topsoil.</li> </ul> <p>or</p>	

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	<ul style="list-style-type: none"> <li>▪ 300 millimetres intermediate cover/regulating layer of compacted soil;</li> <li>▪ a geosynthetic clay liner (GCL) with a permeability coefficient (k) not exceeding <math>1 \times 10^{-7}</math> metres per second;</li> <li>▪ 300 millimetres of compacted soil (growth layer).</li> <li>▪ 150 millimetres of topsoil.</li> </ul> <p>b) An alternative to the above minimum specifications may be proposed and included in the Landfill Operations Management Plan subject to being confirmed as equivalent to the above by the Independent <b>management plan reviewer(s)</b> and certified by the Council.</p>	
8.	The consent holder shall construct surface water control measures on the finished landfill surface so as to minimise erosion of the final cover.	
9.	<p>The HDPE component of composite lining systems may be replaced with an alternative material, following acceptance in writing by the Southland Regional Council, where an alternative material is demonstrated to provide equivalent, or superior, performance in terms of:</p> <ul style="list-style-type: none"> <li>▪ puncture resistance</li> <li>▪ resistance to chemical degradation;</li> <li>▪ hydraulic containment;</li> <li>▪ physical strength and deformation characteristics under service and seismic loads;</li> <li>▪ welding and general installation;</li> <li>▪ expected service life.</li> </ul>	
10.	Liner components comprising synthetic or geo-synthetic materials shall be constructed in accordance with the manufacturer's recommended quality assurance/quality control procedures.	

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11.	<p>The containment system for the stormwater pond shall consist of the following, from bottom to top:</p> <ul style="list-style-type: none"> <li>▪ a proof rolled base surface;</li> <li>▪ a minimum of 300 millimetres of compacted clay (constructed in two uniform lifts) with a permeability coefficient (k) of not more than <math>1 \times 10^{-9}</math> metres per second;</li> <li>▪ a protection layer on the base and sides of the compacted clay liner to minimise degradation, desiccation, and damage due to wave action.</li> </ul>	
12.	<p>The landfill gas collection and leachate recirculation systems shall be designed to prevent puncture of the landfill liner by system components. In particular, any vertical wells or pipes installed for the collection of landfill gas, or re-injection of leachate into the landfill, shall terminate at a height above the base or side liner that will ensure that pipes, or wells, will not puncture the liner as a result of refuse settlement, or incorporate other appropriate design features that allow for expected settlement.</p>	
13.	<p>a) Following a construction trial, a Final Capping Specification and Quality Control Standard will be produced and provided to the Independent Peer Reviewer for acceptance and Southland Regional Council for certification.</p> <p>b) Any subsequent change to these specifications and standards must follow the same acceptance and certification process identified in condition (13)(a).</p> <p><i><b>Advice note (i):</b> The acceptance process has been assigned to the independent peer reviewer(s). This specification is then submitted to Southland Regional Council for final certification. The Southland Regional Council remains the authority for making a final decision on the certification of the document.</i></p> <p><i><b>Advice Note (ii):</b> The independent peer review process remains separate to the management plan acceptance/certification process. This certified specification may be incorporated into the relevant management plan(s) without going through the process specified in Schedule 1 –</i></p>	<p>This condition of consent provides certainty to the peer reviewer that the specifications of the final cap are acceptable.</p>

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	<i>General Conditions 13-16 to stop unnecessary duplication of the acceptance and certification process.</i>	
<b>Operational Conditions</b>		
14.	No bulk liquid waste shall be accepted for disposal. The definition of liquid waste shall be any waste that contains free liquid on arrival at the landfill, or has a solids content of less than 20 percent, except such waste that passes the USEPA Paint Filter Liquids Test (EPA Method 9095A).	
15.	Medical wastes shall be accepted only in accordance with NZS 4304:2002 " Health Care Waste Management" or subsequent amendments.	
16.	Asbestos wastes shall be accepted only in accordance with the Health and Safety in Employment (Asbestos) Regulations 2016, or subsequent amendments.	
17.	<p>Where, during landfill operations, the Consent Holder is required to accept waste by a Government Agency as a crisis or emergency response, the following protocol shall apply:</p> <ul style="list-style-type: none"> <li>a) All crisis response waste acceptance shall trigger the protocol identified in the Crisis/Emergency Response chapter of the Landfill Operations Management Plan</li> <li>b) The consent holder shall notify the Southland Regional Council Compliance Manager of this waste acceptance within 24 hours.</li> <li>c) A management response in line with the criteria identified within the Crisis/Emergency Response chapter of the Landfill Operations Management Plan shall be made available to the Southland Regional Council within 3 days of notification of condition (17)(b), above.</li> <li>d) All likely affected neighbours (as provided in the Landfill Operations Management Plan), Te Rūnanga o Awarua and Waihōpai Rūnaka (via Te Ao Marama Inc.) and Hokonui Rūnanga are to be notified of the crisis/emergency waste stream prior to acceptance on site, or as soon as practicable.</li> </ul>	

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	<p>e) Mitigation measures for crisis/emergency waste shall follow the guidelines identified in the Crisis/Emergency Response chapter of the Landfill Operations Management Plan.</p> <p><b>Advice Note:</b> <i>There may be instances when the consent holder is required to accept waste under the direction of a Government Agency. Where this is the case, despite the conditions of consent that ordinarily apply to the landfill, it is understood that there may be effects associated with the waste that are beyond the control of the consent holder.</i></p>	
18.	<p>For other than minor amounts of offal, the consent holder shall:</p> <ul style="list-style-type: none"> <li>▪ require all offal to be disposed of to be pre-booked by the waste generator or transporter, and only be accepted in discrete loads;</li> <li>▪ record information on the source of the offal, including the origin of the animals;</li> <li>▪ record information on the cause of death of the animals from which the offal is sourced;</li> <li>▪ dispose of the offal in accordance with the Landfill Operations Management Plan;</li> <li>▪ cover each load of offal immediately following deposition; and</li> <li>▪ record the location of each pit used for the disposal of offal.</li> </ul>	
19.	<p>Material contaminated with methamphetamine and/or chemicals associated with the manufacture of methamphetamine may be accepted into the landfill provided that the level of contamination does not exceed 100µgm/cm<sup>2</sup>, based on an average by weight per individual household lot. The material that may be accepted includes wall linings (including gib board), soft furnishing (e.g. Curtains, carpets), furniture, bedding, clothing and whiteware. Actual stocks of chemicals used in, or leftover from, methamphetamine manufacture are also excluded from this condition.</p> <p>The consent holder shall:</p>	

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	<ul style="list-style-type: none"> <li>i. Record the date, source, volume, and nature of the material received;</li> <li>ii. Keep a record of monitoring data that confirms the contamination level of the material; and</li> <li>iii. Record the location where the material is placed within the landfill in 3 dimensions.</li> </ul>	
20.	<p>Aluminium dross waste (AWD) and material contaminated with this waste may be accepted into the landfill provided that the concentrations of aluminium and fluoride do not exceed the leachability limits or screening concentrations set out in Table 1 of "Module 2: Hazardous Waste Guidelines, Landfill Waste Acceptance Criteria and Landfill classification , May 2004". The leachability limits shall be established using SPLP testing, with concentrations not to exceed a SPLP test result of 40g/m<sup>3</sup> of Aluminium and 200 g/m<sup>3</sup> of Fluoride. The material that may be accepted includes gravels and soils that have been contaminated with dross.</p> <p>The consent holder shall:</p> <ul style="list-style-type: none"> <li>i. Record the date, source, volume, and nature of the material received;</li> <li>ii. Notify the Southland Regional Council within 7 days of the material being accepted, and provide details of the source and volume of the material;</li> <li>iii. Keep a record of monitoring data that confirms the contamination level of the material; and</li> <li>iv. Record the location where the material is placed within the landfill.</li> </ul> <p>The information recorded shall be made available to the consent authority or its representative on request.</p>	
21.	<p>With the exception of medical wastes and asbestos wastes, no hazardous waste shall be accepted for disposal at the landfill. The definition of "hazardous waste" shall be:</p> <ul style="list-style-type: none"> <li>i. Wastes which are defined as either radioactive, explosive, flammable, oxidising, or corrosive, in terms of the HSNO regulations, or capable, by any means after disposal,</li> </ul>	



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	<p>of yielding another material, for example, leachate, which possesses any of the above characteristics;</p> <p>ii. Wastes which exhibit the characteristics of toxicity and eco-toxicity which following testing using the USEPA Toxicity Characteristic Leaching Procedure (TCLP) result in leachable concentrations of contaminants in excess of the leachable concentration limits listed in Schedule 2; and</p> <p>iii. Wastes which exhibit the characteristics of toxicity and eco-toxicity with total concentrations in excess of the total concentration limits listed in Schedule 2.</p> <p>Where leachable concentration or total concentration limits do not exist in Schedule 2 for a substance for which a disposal request is made, the leachable limit, following testing using the USEPA TCLP shall be set at the lesser of:</p> <ul style="list-style-type: none"> <li>▪ NZS 9201 Trade Waste Bylaw limits; or</li> <li>▪ 100 times the New Zealand water quality standards to which all drinking-water supplies must comply as per the Drinking-water Standards for New Zealand 2005 (revised 2018); or</li> <li>▪ 1000 times the Default Guideline Values in the Australian and New Zealand Guidelines for Fresh and Marine Water Quality, August 2018.</li> </ul> <p>The definition of “hazardous waste” shall not include small quantities of waste products containing potentially hazardous components that are not likely to have adverse effects on the environment, such as can reasonably be expected to be contained in the municipal waste stream.</p> <p>To minimise the potential for hazardous waste to be disposed of at the landfill the following measures shall be taken:</p> <ul style="list-style-type: none"> <li>▪ use of a waste manifest/disposal agreement system to authorise landfill loads/users and document waste acceptance;</li> <li>▪ notice shall be clearly positioned at the landfill entrance to identify the hazardous wastes which are unacceptable at the landfill; and</li> <li>▪ random inspections of incoming loads, for the presence of hazardous waste, shall be undertaken, at the average rate of at least one inspection per 50 loads.</li> </ul>	

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22.	The lateral extent of the landfill working face shall be kept to a practical minimum. The extent of the area between load tipping and load spreading shall be minimised at all times.	
23.	a) At the end of each working day, all refuse placed in the working face area shall be covered with soil or equivalent material. Cover shall be applied at the end of each day to a depth of approximately 150 millimetres in accordance with the Landfill Operations Management Plan.  b) An alternative to the above minimum specifications may be proposed and included in the Landfill Operations Management Plan subject to being confirmed as equivalent to the above by the Independent management plan reviewer(s) and certified by the Council.	
<b>Monitoring and Reporting</b>		
24.	The consent holder shall maintain, a record of the quantities and types of waste accepted at the landfill, including the location (in three dimensions) of: <ul style="list-style-type: none"> <li>▪ treated hazardous wastes;</li> <li>▪ special wastes (as listed in the Landfill Operations Management Plan); and</li> <li>▪ Emergency response waste</li> </ul> A copy of this record shall be forwarded to the Southland Regional Council annually, unless otherwise agreed in writing by the Southland Regional Council.	
25.	The consent holder shall immediately notify the Southland Regional Council if any vehicle(s) is turned away from the landfill with waste that does not comply with the waste acceptance criteria detailed in conditions 14-16, 18-20. This notification shall include the vehicle registration number and source of the waste (if known).	
26.	The consent holder shall monitor water quality in existing groundwater monitoring wells SKM104, SKM201, SKM202, SKM203 and SKM204, as indicated on drawing number IZ000400-1000-NG-DRG-1008 attached to this consent.	

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	<p>To this end the consent holder shall monitor water level every month, and water quality for the following parameters four times a year:</p> <p>pH (field and laboratory)</p> <p>Conductivity (field and laboratory)</p> <p>Turbidity</p> <p>Chloride</p> <p>Total Ammoniacal Nitrogen</p> <p>COD</p> <p>Soluble Iron</p> <p>Soluble Manganese</p> <p>Soluble Aluminium</p> <p>Soluble Arsenic</p> <p>Soluble Cadmium</p> <p>Soluble Chromium</p> <p>Soluble Copper</p> <p>Soluble Nickel</p> <p>Soluble Lead</p> <p>Soluble Zinc</p> <p>Total hardness</p> <p>Alkalinity</p> <p>Potassium</p> <p>Sulphate</p> <p>Sodium</p>	

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	<p>Magnesium</p> <p>Calcium</p> <p>Bicarbonate</p> <p>Total Phenols</p> <p>Volatile Acids</p> <p>Dissolved Reactive Phosphorus</p> <p>Total Organic Carbon</p> <p>Total Kjeldahl Nitrogen</p> <p>Nitrate Nitrogen</p> <p>The consent holder shall monitor for the following parameters once every year, to coincide with summer groundwater minimum:</p> <p>Volatile Organic Compounds</p> <p>Semi-volatile Organic Compounds</p> <p>Sampling shall be undertaken under protocols approved in writing by the Southland Regional Council, including on site filtration and preservation of samples for soluble metals analysis. An ion balance to APHA criteria shall be provided for the anions and cations.</p> <p>The results of such monitoring shall be reported in writing to the Southland Regional Council within two months of sampling.</p>	
27.	<p>The consent holder shall undertake a formal inspection of the landfill cap following significant storm events (greater than 50 percent AEP at a duration of less than one day), and at least every six months. The inspection shall check for:</p>	

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	<p>Vegetation die-off; Cracking of the cap surface; Subsidence and erosion; Leachate break-out through the cap; Refuse protruding through the cap.</p> <p>Any defects noticed during the inspection shall be remedied immediately. A report on the inspection, and details of any remedial actions undertaken as a result, shall be forwarded to the Southland Regional Council within two months of each inspection.</p>	
28.	<p>The Southland Regional Council, after consultation with the consent holder, may commence a review of conditions 14-16, 18-20 of this consent within six months of the publication of any change in the national definition of hazardous wastes, or the publication of new national policies, regulations, standards or guidelines on landfill waste acceptance or the treatment and/or disposal of wastes with hazardous properties.</p> <p>Costs relating to the above review shall be borne by the consent holder.</p>	
29.	<p>The Southland Regional Council, after consultation with the consent holder, may commence a review of the conditions of this consent at two yearly intervals from the anniversary date of this consent or within six months after cessation of landfilling operations at the site, in order to ensure that:</p> <ul style="list-style-type: none"> <li>i. refuse acceptance criteria and discharge areas and practices are appropriate to avoid or reduce adverse effects on the environment; and</li> <li>ii. leachate, groundwater and surface water management systems and management practices are appropriate to avoid or reduce any adverse effects on the environment; and</li> <li>iii. an appropriate effects monitoring programme is being undertaken.</li> </ul>	

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	Costs relating to the above reviews shall be borne by the consent holder.	
<p><b>Discharge Permit</b></p> <ul style="list-style-type: none"> <li>▪ For the discharge of 200 m<sup>3</sup> per day of leachate onto or into land within the landfill footprint for the purposes of leachate recirculation</li> </ul> <p><b>Expiry Date:</b> 25 years from giving effect to this consent being the date on which the consent holder surrenders [old consents].</p>		
<b>General Conditions</b>		
1.	This consent is subject to the general conditions listed in Schedule 1 – General Conditions. Where there may be differences, or apparent conflict, between the general conditions and the conditions below, the conditions below shall prevail.	
<b>Limit Conditions</b>		
2.	Any recirculation, or re-injection of the landfill's leachate onto, or into, the refuse mass shall be via surface spraying onto intermediate cover, or injection directly into the refuse mass using dedicated leachate injection trenches, wells, or horizontal pipes.	
3.	The volume of leachate discharged into the landfill shall be such that the leachate head on the base liner shall not exceed 300 millimetres. This level shall be managed in accordance with the Landfill Leachate Management Plan.	Performance criteria remains the same, however, the management plan process is utilised to manage the leachate level.
<b>Design Conditions</b>		
4.	The design and operation of any re-injection system shall ensure that leachate re-injection does not result in overland flow of leachate or leachate seepage, or breakout, on surface or side slopes of the landfill.	
5.	Leachate in the collection pond shall be maintained in an aerobic condition, indicated by positive dissolved oxygen concentrations measured in accordance with Condition (11)	
<b>Monitoring and Reporting</b>		

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6.	<p>The consent holder shall monitor the volume of leachate withdrawn from the landfill and record this volume on a daily basis. This record shall be reported in writing to the Southland Regional Council by 1 May each year, unless otherwise agreed in writing by the Southland Regional Council.</p>	
7.	<p>The consent holder shall monitor the dissolved oxygen levels in the leachate storage pond on a daily basis and at the inflow of the leachate pond, Site 11, as shown on drawing number IZ000400-1000-NG-DRG-1008 attached to this consent, twice a year for the following parameters:</p> <ul style="list-style-type: none"> <li>Dissolved oxygen</li> <li>pH (field and laboratory)</li> <li>Conductivity (field and laboratory)</li> <li>Temperature</li> <li>Suspended Solids</li> <li>Alkalinity</li> <li>Bicarbonate</li> <li>BOD5</li> <li>COD</li> <li>Dissolved Reactive Phosphorus</li> <li>Chloride</li> <li>Sulphate</li> <li>Total Ammoniacal Nitrogen</li> <li>Nitrate Nitrogen</li> <li>Total Kjeldahl Nitrogen</li> <li>Total Organic Carbon</li> </ul>	

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	<p>                     Volatile Organic Compounds                      Semi-volatile Organic Compounds                      Total Phenols                      Volatile Acids                      Total Hardness                      Sodium                      Magnesium                      Calcium                      Potassium                      Total Aluminium                      Total Arsenic                      Total Boron                      Total Cadmium                      Total Chromium                      Total Cobalt                      Total Copper                      Total Iron                      Total Lead                      Total Manganese                      Total Nickel                      Total Zinc                        Sampling shall be undertaken in accordance with protocols approved in writing by the Southland Regional Council. An ion balance to APHA criteria shall be provided for the anions and cations.                 </p>	



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	The results of leachate monitoring shall be reported in writing to the Southland Regional Council within two months of sampling.	
8.	The consent holder shall maintain a record of the daily discharge of leachate onto, or into, the landfill (the actual volumes, period of hours over which leachate was discharged and discharge locations), which shall be made available to the Southland Regional Council at all reasonable times. These records shall be forwarded to the Southland Regional Council by 1 May each year.	
9.	The consent holder shall maintain a weekly record of the level of leachate in the landfill in accordance with the Landfill Leachate Management Plan, which shall be made available to the Southland Regional Council on request. These records shall be forwarded to the Southland Regional Council by 1 May each year.	This allows flexibility for the consent holder to measure leachate, whether this be by piezometers, pressure sensor or dip stick testing.
10.	<p>Reduction of leachate:</p> <p>The Consent Holder shall implement the measures identified in the Landfill Operations Management Plan (LOMP) to mitigate against water infiltration into the landfill. If leachate quantities have shown a continued upward trend over the first three years of giving effect to this consent, the consent holder shall review the procedures identified in the LOMP and provide revised procedures in the LOMP for acceptance and re-certification in accordance with Schedule 1 – General Conditions 13-16.</p>	
11.	The dissolved oxygen concentration in the leachate collection pond shall be measured between 8.00 am and 10.00 am on at least two days per week to demonstrate compliance with Condition (5).	
<p><b>Land Use Permit</b></p> <ul style="list-style-type: none"> <li>▪ <b>Drilling of bores or wells</b></li> </ul> <p><b>Expiry Date: 25 years from giving effect to this consent being the date on which the consent holder surrenders [old consents].</b></p>		
<p><b>General Conditions</b></p>		

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1.	This consent is subject to the general conditions listed in Schedule 1 – General Conditions. Where there may be differences, or apparent conflict, between the general conditions and the conditions below, the conditions below shall prevail.	
<b>Monitoring and Reporting</b>		
2.	The consent holder shall install two new downgradient groundwater monitoring wells, in accordance with the Landfill Operations Management Plan.	
3.	The consent holder shall conduct a rising head test, or other test(s) as agreed in writing by the Southland Regional Council (within 6 months), to demonstrate that any new groundwater monitoring well is working and assess the hydraulic conductivity of the in-situ ground. A water sample shall be taken from the well and tested for turbidity to determine whether the well is clean enough to provide samples of dissolved constituents. The results of these tests shall be forwarded to the Southland Regional Council with the first set of monitoring results from the well.	
4.	<p>The consent holder shall establish baseline groundwater quality for each new groundwater monitoring well, monitored in accordance with condition (3) of this consent, after a minimum of four groundwater sampling events.</p> <p>Following the establishment of baseline groundwater quality, the consent holder may reduce the frequency of monitoring for those parameters requiring monitoring from four times a year to twice a year, (to coincide with expected groundwater level maximum and minimum) with the agreement of the Southland Regional Council.</p>	
5.	<p>The consent holder shall, monitor water quality in any new groundwater monitoring well(s), installed in accordance with condition (4) of this consent.</p> <p>To this end the consent holder shall monitor water level every month, and water quality for the following parameters four times a year:</p> <p>pH (field and laboratory)</p>	

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	Conductivity (field and laboratory) Turbidity Chloride Total Ammoniacal Nitrogen COD Soluble Iron Soluble Manganese Soluble Aluminium Soluble Arsenic Soluble Cadmium Soluble Chromium Soluble Copper Soluble Nickel Soluble Lead Soluble Zinc Total hardness Alkalinity Potassium Sulphate Sodium Magnesium Calcium Bicarbonate Total Phenols	

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	<p>                     Volatile Acids                      Dissolved Reactive Phosphorus                      Total Organic Carbon                      Total Kjeldahl Nitrogen                      Nitrate Nitrogen                 </p> <p>The consent holder shall monitor for the following parameters once every year, to coincide with summer groundwater minimum:</p> <p>                     Volatile Organic Compounds                      Semi-volatile Organic Compounds                 </p> <p>Sampling shall be undertaken under protocols approved in writing by the Southland Regional Council, including on site filtration and preservation of samples for soluble metals analysis. An ion balance to APHA criteria shall be provided for the anions and cations.</p> <p>The results of such monitoring shall be reported in writing to the Southland Regional Council within two months of sampling.</p>	
6.	<p>The consent holder shall develop trigger levels for each parameter within each new groundwater monitoring well downgradient of the landfill, to identify significant changes in background groundwater quality for these wells. The consent holder shall within six months of the completion of each such well submit interim trigger levels to the Southland Regional Council. Trigger levels shall be finalised after a minimum of four sampling rounds over at least one year. The consent holder shall incorporate a clear process into the Landfill Operations Management Plan for managing the exceedance of trigger levels that should be put forward for acceptance of the Independent Peer Reviewer(s) and certification of the Southland Regional Council in accordance with Schedule 1 – General Conditions 13-16.</p>	

Condition Number	Proposed Consent Conditions (Additional changes from the s 92 process in purple)	Comment
7.	If any groundwater monitoring well is destroyed the consent holder shall replace it with a new well, in the same general location.	
<p><b>Discharge Permit</b></p> <ul style="list-style-type: none"> <li>▪ To discharge contaminants into air from combustion processes where combustible refuse matter is flared</li> </ul> <p><b>Expiry Date: 25 years from giving effect to this consent being the date on which the consent holder surrenders [old consents].</b></p>		
<b>General Conditions</b>		
1.	This consent is subject to the general conditions listed in Schedule 1 – General Conditions. Where there may be differences, or apparent conflict, between the general conditions and the conditions below, the conditions below shall prevail.	
2.	The discharge into air shall only be contaminants, including particulate matter, odour, combustion products and landfill gas, from a landfill as described in the application documents. The consent does not authorise the burning of solid waste at the site.	
<b>Odour and Dust Nuisance</b>		
3.	<p>The discharge shall not cause odour or particulate matter that has an objectionable or offensive effect beyond the boundary of the land owned, or covenanted, by the Consent Holder, as determined by the Southland Regional Council (Manager of Compliance). The determination of an offensive or objectionable effect shall take into account the FIDOL factors and be made based on the guidance provided in Section 4.1.1 and Table 6 of the Ministry for the Environment Good Practice Guide for Assessing and Managing Odour (2016) or Section 4.2.1 and Table 8 of the Ministry for Environment Good Practice Guide for Assessing Dust (2016).</p> <p><i>Advice Note: To help the Consent Holder in the management of complaints in accordance with this condition it is requested that all complaints received by the Southland Regional Council are passed on to the Consent Holder and where applicable a copy of the FIDOL assessment. An</i></p>	

Condition Number	Proposed Consent Conditions (Additional changes from the s 92 process in purple)	Comment
	<i>updated map of the boundary shall be kept in the Landfill Air Quality Management Plan for reference for the Southland Regional Council.</i>	
<b>Landfill Gas</b>		
4.	A landfill gas extraction system shall be installed and operated in accordance with the details supplied in the original consent application. The gas combustion system shall destroy at least 98% of non-methane organic compounds burned.	
5.	There shall be no visible emissions, excluding water vapour, light, or heat haze, from any landfill gas flare.	
6.	Each gas extraction well shall be connected to the main gas extraction system within 12 months of placing wastes within the radius of influence of that well. Passive flares shall burn gas discharged from wells prior to connection to the gas extraction system. These temporary flares shall each have a continuous automatic ignition system, a flame arrestor, and a backflow prevention device.	
7.	<p>The enclosed principal landfill gas flare or other utilisation system shall have:</p> <ul style="list-style-type: none"> <li>a) A flame arrestor and backflow prevention device;</li> <li>b) A continuous automatic ignition system;</li> <li>c) An automatic isolation system to prevent the discharge of unburned landfill gas;</li> <li>d) Sampling ports of appropriate design for emission testing, including safe access to the sampling ports;</li> <li>e) A minimum combustion temperature of 750 degrees Celsius and a residence time in the combustion zone of at least 0.5 seconds;</li> <li>f) A permanent temperature indicator with visual readout at ground level.</li> </ul>	
8.	<ul style="list-style-type: none"> <li>a) The concentration of methane measured in monitoring probes outside the landfill footprint shall not exceed 1.25% by volume.</li> <li>b) The concentration of methane measured at the surface of landfill areas with intermediate or permanent capping shall not exceed 0.5% by volume.</li> </ul>	
<b>Monitoring</b>		

Condition Number	Proposed Consent Conditions (Additional changes from the s 92 process in purple)	Comment
9.	A walk-over site inspection of the landfill shall be undertaken at least every week. Any evidence of possible landfill gas leaks, including odour, surface cracks, gas bubbles or vegetation damage, shall be investigated and appropriate remedial action shall be undertaken as soon as practicable.	
10.	<p>a) Methane concentrations shall be measured and recorded at least once each month in accordance with the Landfill Gas Management Plan at the filled boundary located outside the landfill footprint, but within the consent holder's property, to demonstrate compliance with Condition (8)(a).</p> <p>b) Methane concentrations shall be measured and recorded at least once each month at the surface of the landfill to demonstrate compliance with Condition (8)(b).</p> <p><i>Advice Note: The filled boundary is the area of the landfill footprint that is occupied with waste at any given time.</i></p>	Reference to management plan made as this figure is likely to change as the landfill extends so the whole landfill area can be serviced.
11.	<p>Landfill gas shall be monitored at least once each month at each gas extraction well head and at each temporary flare station. The following parameters shall be measured or calculated and recorded:</p> <ul style="list-style-type: none"> <li>a) gas flow rate;</li> <li>b) gas composition (% methane, % oxygen, % carbon dioxide, % nitrogen, ppm carbon monoxide);</li> <li>c) gas temperature;</li> <li>d) gas pressure; and</li> <li>e) hydrogen sulphide concentration.</li> </ul>	The percentage of nitrogen is a calculation, not a recorded parameter
12.	<p>Once a permanent landfill gas flare or other utilisation system is established, landfill gas shall be monitored. The following parameters shall be measured or calculated and recorded at the following frequencies:</p> <ul style="list-style-type: none"> <li>a) Continuous monitoring: <ul style="list-style-type: none"> <li>i. gas flow rate;</li> <li>ii. gas composition (% methane, % oxygen, % carbon dioxide, % nitrogen)</li> <li>iii. gas temperature; and</li> <li>iv. gas pressure</li> </ul> </li> </ul>	The percentage of nitrogen is a calculation, not a recorded parameter

Condition Number	Proposed Consent Conditions (Additional changes from the s 92 process in purple)	Comment
	<ul style="list-style-type: none"> <li>b) Weekly monitoring:               <ul style="list-style-type: none"> <li>i. gas composition (ppm carbon monoxide).</li> </ul> </li> </ul>	
13.	<p>The landfill gas shall be monitored for the following parameters:</p> <ul style="list-style-type: none"> <li>a) hydrogen sulphide concentration shall be monitored at a frequency not less than once each month</li> <li>b) concentration of total non-methane organic compounds (NMOCs) shall be monitored annually.</li> </ul>	
<b>Reporting</b>		
14.	A record of all monitoring undertaken in accordance with the conditions of this consent and a summary of the monitoring results shall be provided to <a href="#">Southland Regional Council</a> annually.	Referring to the regulatory authority as Southland Regional Council for consistency
<b>Discharge Permit</b>		
<ul style="list-style-type: none"> <li>▪ To discharge of contaminants into air from refuse disposal facilities receiving greater than 100,000 m<sup>3</sup>/ year of uncompacted solid waste</li> </ul>		
<p><b>Expiry Date:</b> 25 years from giving effect to this consent being the date on which the consent holder surrenders [old consents].</p>		
<b>General Conditions</b>		
1.	Prior to the exercise of this consent, the consent holder shall provide to the consent authority, for certification, a report from a suitably qualified professional demonstrating that the operation of the landfill complies with the control of greenhouse gas emissions at landfills provisions of the Resource Management (National Environmental Standards for Air Quality) Regulations 2004.	
2.	This consent is subject to the general conditions listed in Schedule 1 – General Conditions. Where there may be differences, or apparent conflict, between the general conditions and the conditions below, the conditions below shall prevail.	



Condition Number	Proposed Consent Conditions (Additional changes from the s 92 process in purple)	Comment
3.	The discharge into air shall only be contaminants, including particulate matter, odour, combustion products and landfill gas, from a landfill as described in the application documents. The consent does not authorise the burning of solid waste at the site.	
<b><i>Odour and Dust Nuisance</i></b>		
4.	<p>The discharge shall not cause odour or particulate matter that has an objectionable or offensive effect beyond the boundary of the land owned, or covenanted, by the Consent Holder, as determined by the Southland Regional Council (Manager of Compliance). The determination of an offensive or objectionable effect shall take into account the FIDOL factors and be made based on the guidance provided in Section 4.1.1 and Table 6 of the Ministry for the Environment Good Practice Guide for Assessing and Managing Odour (2016) or Section 4.2.1 and Table 8 of the Ministry for Environment Good Practice Guide for Assessing Dust (2016).</p> <p><i>Advice Note: To help the Consent Holder in the management of complaints in accordance with this condition it is requested that all complaints received by the Southland Regional Council are passed on to the Consent Holder and where applicable a copy of the FIDOL assessment. An updated map of the boundary shall be kept in the Landfill Air Quality Management Plan for reference for the Southland Regional Council.</i></p>	
5.	<p>Where, during landfill operations, the Consent Holder is required to accept waste by a Government Agency as a crisis or emergency response, the following protocol shall apply:</p> <ul style="list-style-type: none"> <li>a) All crisis response waste acceptance shall trigger the protocol identified in the Crisis/Emergency Response chapter of the Landfill Operations Management Plan and Landfill Air Quality Management Plan</li> <li>b) The consent holder shall notify the Southland Regional Council Compliance Manager of this waste acceptance within 24 hours.</li> <li>c) A management response in line with the criteria identified within the Crisis/Emergency Response chapter of the Landfill Operations Management Plan and Landfill Air Quality Management Plan shall be made available to the Southland Regional Council within 3 days of notification of condition (5)(b), above.</li> </ul>	

Condition Number	Proposed Consent Conditions (Additional changes from the s 92 process in purple)	Comment
	<p>d) All likely affected neighbours (as provided in the Landfill Operations Management Plan), Te Rūnanga o Awarua and Waihōpai Rūnaka (via Te Ao Marama Inc.) and Hokonui Rūnanga are to be notified of the crisis/emergency waste stream prior to acceptance on site, or as soon as practicable.</p> <p>e) Mitigation measures for crisis/emergency waste shall follow the guidelines identified in the Crisis/Emergency Response chapter of the Landfill Operations Management Plan and Landfill Air Quality Management Plan.</p> <p><b>Advice Note:</b> There may be instances when the consent holder is required to accept waste under the direction of a Government Agency. Where this is the case, despite the conditions of consent that ordinarily apply to the landfill, it is accepted that there may be effects associated with the waste that are beyond the control of the consent holder.</p>	
<b>Odour</b>		
6.	<p>To ensure compliance with Condition (4), odorous special wastes shall only be accepted by prior arrangement. The following mitigation measures shall be undertaken to minimise odorous emissions from these special wastes:</p> <p>a) odorous wastes shall be covered immediately by at least 150mm of soil or overburden material;</p> <p>b) highly odorous loads likely to cause a breach of Condition (4) shall only be accepted if the waste material has been pre-treated with odour suppressing chemicals or are received in airtight disposable containers;</p> <p>c) the delivery of odorous loads shall be planned to occur in accordance with the Landfill Air Quality Management Plan, while allowing sufficient time for thorough covering prior to daily closure of the landfill; and</p> <p>d) odour suppressing chemicals and lime shall be applied, as required.</p>	Weather is so variable at the site that on occasion odorous loads would be more suitable at different times of the day
<b>Dust</b>		

Condition Number	Proposed Consent Conditions (Additional changes from the s 92 process in purple)	Comment
7.	The site entrance, roading to the lime storage areas and the truck access road shall be sealed as near as practical to the landfill. These sealed road surfaces shall be cleaned by mechanical sweeper, as necessary to minimise dust emissions.	
8.	A wheel wash shall be used by all vehicles leaving the landfill site that have travelled on unsealed or potentially dusty surfaces.	
9.	Water shall be applied to unsealed internal roads and other potentially dusty surfaces, as necessary to minimise dust emissions.	
10.	Exposed soil surfaces shall be planted in grass as soon as possible after construction. Soil stockpiles that are kept for longer than 6 months shall be planted in grass.	
11.	Maximum vehicle speed limits shall be set and enforced within the landfill site to minimise dust emissions.	
12.	<p>Dusty special wastes shall only be accepted by prior arrangement. The following mitigation measures shall be undertaken to minimise dust emissions from these special wastes:</p> <ul style="list-style-type: none"> <li>a) dusty wastes shall be dampened or enclosed in bags prior to delivery to the landfill, or controlled by water spray at the landfill; or</li> <li>b) emissions from potentially dusty loads tipped at the workface shall be controlled by applying water or immediately covering the waste material.</li> </ul>	
<b>Monitoring</b>		
13.	<p>An on-site meteorological monitoring station shall be established and operated. The following parameters shall be measured and recorded at least once each hour:</p> <ul style="list-style-type: none"> <li>a) Wind velocity and direction;</li> <li>b) Barometric pressure;</li> <li>c) Rainfall; and</li> <li>d) Temperature.</li> </ul>	

Condition Number	Proposed Consent Conditions (Additional changes from the s 92 process in purple)	Comment
<b>Complaints</b>		
14.	<p>A record of any complaints relating to odour or dust shall be kept, and shall include:</p> <ul style="list-style-type: none"> <li>a) the location where the effect was detected by the complainant;</li> <li>b) the date and time when the effect was detected;</li> <li>c) a description of the wind speed and wind direction when the effect was detected by the complainant;</li> <li>d) the most likely cause of the effect detected; and</li> <li>e) Advise the complainant of any corrective action undertaken by the consent holder in accordance with any relevant Management Plan or condition to avoid, remedy or mitigate the effect detected by the complainant within 10 working days.</li> </ul> <p>A record of all complaints received shall be kept by the consent holder in a complaint register, be available for inspection on request, and shall be provided to Southland Regional Council annually for the period 1 May to 30 April each year.</p> <p><b><i>Advice Note:</i></b> To help the Consent Holder in the management of complaints in accordance with this condition it is requested that all complaints received by the Southland Regional Council are passed on to the Consent Holder and where applicable a copy of the FIDOL assessment.</p>	
15.	<p>The Consent Holder is to document a procedure for responding to a validated complaint or determination of a breach of Condition (4) by Southland Regional Council in the Landfill Air Quality Management Plan.</p> <p><b><i>Advice note:</i></b> Such procedures may include measures such as an odour diary survey and/or liaising with the established Community Liaison Committee.</p>	
<b>Reporting</b>		
16.	A record of all monitoring undertaken in accordance with the conditions of this consent and a summary of the monitoring results shall be provided to Southland Regional Council annually.	Referring to the regulatory authority as Southland Regional Council for consistency
<b>Discharge Permit</b>		

Condition Number	Proposed Consent Conditions (Additional changes from the s 92 process in purple)	Comment
<ul style="list-style-type: none"> <li>▪ To use masking agents to disguise odour</li> </ul>		
<p><b>Expiry Date: 25 years from giving effect to this consent being the date on which the consent holder surrenders [old consents].</b></p>		
<p><b>General Conditions</b></p>		
1.	This consent is subject to the general conditions listed in Schedule 1 – General Conditions. Where there may be differences, or apparent conflict, between the general conditions and the conditions below, the conditions below shall prevail.	
<p><b>Odour</b></p>		
2.	Where exposure of existing landfill material is necessary, this shall occur for the minimum practicable time and odour spray or lime shall be applied, as required in accordance with the Landfill Air Quality Management Plan.	
<p><b>Schedule 1 – General Conditions</b></p>		
<p><b>The granting of consents [xx] –[xx] is subject to the following general conditions, which shall apply to each individual consent:</b></p>		
1.	The consent holder has 5 years from the granting of these consents to give effect to the consents in accordance with S.125 of the Act. <b>The surrender of existing consents will occur at the time these consents are given effect to.</b>	Based on comments provided by the peer reviewer, clarification has been provided that the existing resource consents will be surrendered once new consents are given effect to.
2.	Except as required by subsequent conditions, the development and operation of the solid waste disposal facility and associated operations shall be carried out generally in accordance with the Application Documentation listed below and submitted on <b>29 May 2020</b> and subsequent information submitted on <b>2 September 2020 and 23 October 2020</b> . Where there is any conflict between the application and the conditions, the conditions of consent shall prevail:	Changes have been made to re-instate the ability to implement an alternative methodology that is approved by Southland Regional Council

Condition Number	Proposed Consent Conditions (Additional changes from the s 92 process in purple)	Comment
	<ul style="list-style-type: none"> <li>▪ AB Lime Limited Assessment of Effects, main document, and appendices, dated 29 May 2020, prepared by Jacobs New Zealand and subsequent information provided on 2 September 2020 and 23 October 2020;</li> </ul> <p>The consent holder may use an alternative design or methodology to that proposed in the above documents if:</p> <ul style="list-style-type: none"> <li>a) the adverse effect of the activity will be the same or less than the previously specified design or methodology; and</li> <li>b) the alternative design or methodology is approved in writing by the Southland Regional Council, who may require an independent review of the alternative by an appropriately qualified person before giving that approval. The cost of any such review shall be borne by the consent holder.</li> </ul> <p>Or</p> <p>The alternative methodology has been incorporated into the relevant management plan(s) and has been approved and certified following the process identified in Schedule 1 – General Conditions 13-16.</p>	
<b>Management Plans</b>		
3.	The solid waste disposal facility and associated operations shall operate in accordance with an Environmental Management Plan (EMP) for the duration of this consent.	
4.	<p>The Environmental Management Plan shall incorporate or refer to the following management plans, each of which is described in later conditions of this consent:</p> <ul style="list-style-type: none"> <li>a) Landfill Operations Management Plan;</li> <li>b) Landfill Gas Management Plan;</li> <li>c) Landfill Concept, Landscape, Rehabilitation and Aftercare Plan;</li> <li>d) Landfill Leachate Management Plan;</li> </ul>	

Condition Number	Proposed Consent Conditions (Additional changes from the s 92 process in purple)	Comment
	<p>e) Landfill Air Quality Management Plan;                      f) Quarry Management Plan                      g) Site Traffic Management Plan                      h) Site Stormwater Management Plan                      i) Site Archaeological/Koiwi or Taonga Accidental Discovery Plan</p> <p>In the event of an inconsistency between the management plans and a condition of this consent, these conditions shall prevail.</p> <p><b>Advice Note (i):</b> For completeness all sub-management plans are identified in condition (4). The sub-management plans relevant to these consents include the Landfill Operations Management Plan, the Landfill Gas Management Plan, the Landfill Concept, Landscape, Rehabilitation and Aftercare Plan, the Landfill Leachate Management Plan, the Landfill Air Quality Plan, the Site Stormwater Management Plan and the Site Archaeological/Koiwi or Taonga Accidental Discovery Plan.</p> <p><b>Advice Note (ii):</b> The objectives for each sub-management plan relevant to this consent are identified in consent conditions (21)-(28). There are also other objectives within these sub-management plans not relevant to these consents that are managed by the District Authority.</p>	
<b>Appointment of Management Plan Reviewer(s)</b>		
5.	<p>Prior to the exercise of this resource consent the Consent Holder shall confirm the appointment of independent, suitably qualified and experienced person(s) to review the management plans required by this consent and provide information to the Southland Regional Council to demonstrate that the proposed reviewer(s) is independent, suitably qualified and experienced.</p> <p><b>Advice Note:</b> If the Southland Regional Council does not approve the person(s) proposed by the Consent Holder, reasons must be provided in writing to indicate why the person(s) is not considered to be suitable.</p>	

Condition Number	Proposed Consent Conditions (Additional changes from the s 92 process in purple)	Comment
6.	Acceptance of the plans shall not proceed until the Southland Regional Council confirms in writing that the Independent management plan reviewer(s) meets these requirements.	
7.	The independent management plan reviewer(s) may be changed at any stage during operations, however, the new reviewer(s) must be confirmed as being appropriate by the Southland Regional Council in accordance with condition (5).	
<b>Acceptance and Certification Process</b>		
8.	Prior to the exercise of this consent all management plans are to be submitted to the independent management plan reviewer(s) for acceptance.	
9.	<p>Once a management plan is submitted to the independent management plan reviewer(s) they may:</p> <ul style="list-style-type: none"> <li>i. Accept the contents of the management plan; or</li> <li>ii. Make recommendations to the consent holder on the suitability of the contents of the management plan(s) in addressing the relevant conditions of consent. The consent holder shall make every reasonable effort to address the recommendations to the satisfaction of the independent management plan reviewer(s).</li> </ul> <p><b>Advice note (i):</b> In the case of substantial disagreement between the consent holder and the independent management plan reviewer(s) in addressing recommendations the Southland Regional Council as certifier of the management plans shall make the final determination on an outstanding matter. Any costs incurred in determining this outcome shall be borne by the Consent Holder.</p>	
10.	<p>Once the Environmental Management Plan and sub management plans have been reviewed by the independent management plan reviewer(s), in accordance with condition (9) the plan shall be provided to the Southland Regional Council for certification.</p> <p><b>Advice note:</b> The acceptance process has been assigned to the independent management plan reviewer(s). The plan is then submitted to Southland Regional Council for final certification. The Southland Regional Council remains the authority for making a final decision on the certification of the document. The role of the independent management plan reviewer(s) is to provide technical guidance, recommendations, and their acceptance of these documents,</p>	



Condition Number	Proposed Consent Conditions (Additional changes from the s 92 process in purple)	Comment
	<i>where otherwise the Southland Regional Council may not have the internal expertise to carry out this function.</i>	
11.	Southland Regional Council shall be requested, no less than 10 working days of the receipt of the management plan, to confirm to the consent holder that the plan is either certified or declined. If no response is received, <b>certification</b> is deemed to have been given as set out in condition (16)	
12.	<p>a) This resource consent and a copy of the Southland Regional Council certified versions of all the management plans required by this consent shall be kept on site at all times, and the consent holder shall ensure all personnel are made aware of each plan’s contents.</p> <p>b) The Southland Regional Council may, in May of each year, <b>instruct the independent management plan reviewer(s) to</b> review any management plan to ensure that management practices result in compliance with the conditions of these consents. Costs relating to the above review shall be borne by the Consent Holder.</p>	
<b>Management Plan Amendment Process</b>		
13.	<p>The consent holder may make amendments to the final management plans that may change how any adverse effect is managed at any time subject to the <b>acceptance of the independent management plan reviewer(s) and certification of</b> Southland Regional Council.</p> <p><b><i>Advice Note (i):</i></b> <i>All material changes to a management plan must be appropriately addressed through the mechanisms provided by these consent conditions. Any adjustment that is not material to the performance of these conditions of consent may be made at any time with the approval of the Southland Regional Council (i.e. changes in personnel, minor drafting corrections).</i></p> <p><b><i>Advice note (ii):</i></b> <i>The independent peer review process remains separate to the management plan acceptance/certification process. Any standard approved through the independent peer review process may be incorporated into the relevant management plan(s) without going through the process specified in Schedule 1 – General Conditions 13-16 to stop unnecessary duplication of the acceptance and certification process.</i></p>	

Condition Number	Proposed Consent Conditions (Additional changes from the s 92 process in purple)	Comment
14.	All amendments shall be consistent with the objectives and performance requirements of the management plan and these consent conditions.	
15.	<p>a) In event of an amendment to a management plan under Condition (13), the consent holder must submit the amendment to Southland Regional Council for certification 10 working days before the commencement of the relevant works. Certification shall confirm that the amendment is in accordance with condition (2) and meets the objectives and performance requirements of the management plan.</p> <p>b) Southland Regional Council shall be requested, no later than 10 working days of the receipt of the amendment, to confirm to the consent holder that the amendment is either certified or declined. If no response is received, approval is deemed to have been given as set out in condition (16).</p> <p>c) Should Southland Regional Council decline to certify the amendment or request the incorporation of changes to the amendment the consent holder may then resubmit a revised amendment to the management plan(s) following the procedures set out in Condition (15)(a)-(b)</p>	
16.	If no confirmation of the Plan's suitability is received from Southland Regional Council within 20 working days of submission of any plan or other information provided for certification, the submitted information shall be deemed to have been approved.	
<b>Independent Peer Review Process</b>		
17.	<p>Within one month of giving effect to this resource consent the Consent Holder shall confirm the appointment of independent peer reviewer(s), suitably qualified and experienced person(s) to review <b>the matters specified in condition (20)</b>. <b>The consent holder shall provide information to demonstrate</b> that the proposed certifier(s) is independent, suitably qualified, and experienced.</p> <p><b>Advice Note (i):</b> <i>If the Southland Regional Council does not approve the person(s) proposed by the Consent Holder, reasons must be provided in writing to indicate why the person(s) is not considered to be suitable.</i></p>	

Condition Number	Proposed Consent Conditions (Additional changes from the s 92 process in purple)	Comment
18.	The Independent Peer Review process shall not proceed until the Southland Regional Council confirms in writing that the Independent Peer Reviewer(s) meets these requirements.	
19.	The Independent Peer Reviewer(s) may be changed at any stage during operations, however, the new Independent Peer Reviewer(s) must be confirmed as being appropriate by the Southland Regional Council in accordance with condition (16).	
20.	<p>i. The consent holder shall engage, at its own cost in accordance with conditions 17-19, an Independent Peer Reviewer(s), to review the design, construction, operation, maintenance and monitoring of the landfill and to assess whether or not the work is undertaken by appropriately qualified personnel in accordance with good practice.</p> <p>ii. The Independent Peer Reviewer shall report to the Southland Regional Council by 1 May each year on the following matters:</p> <ul style="list-style-type: none"> <li>▪ site preparation, including hydrogeological and geotechnical issues;</li> <li>▪ liner, leachate collection and stormwater system detailed design (including calculations), construction and quality control and use of on-site materials;</li> <li>▪ landfill operations management;</li> <li>▪ water control, including groundwater, stormwater, and leachate management;</li> <li>▪ waste acceptance;</li> <li>▪ cover material used;</li> <li>▪ landfill gas management;</li> <li>▪ monitoring, modelling and records;</li> <li>▪ site rehabilitation.</li> </ul> <p>Preparation of each annual report shall include at least one site inspection.</p> <p>iii. The Consent Holder shall provide information to the Independent Peer Reviewer three months prior to the construction of the following aspects of an area:</p> <ul style="list-style-type: none"> <li>▪ base liner construction of an area;</li> <li>▪ construction of gas well installation for an area;</li> </ul>	The changes proposed are to align the Independent Peer Review Process more with what is happening on the ground at the moment.

Condition Number	Proposed Consent Conditions (Additional changes from the s 92 process in purple)	Comment
	<ul style="list-style-type: none"> <li>▪ stormwater infrastructure for an area; and</li> <li>▪ permanent capping of an area</li> </ul> <p>The Independent Peer Reviewer shall provide a report on these matters to the Southland Regional Council at least one month prior to the identified construction activities.</p> <p><i><b>Advice Note:</b> The construction of the above aspects of an area is an iterative process. There may be significant time lags between each aspect of an area and there is no expectation that these should be bundled together.</i></p> <ul style="list-style-type: none"> <li>iv. The Consent Holder shall provide to the Independent Peer Reviewer as-built construction of the base liner prior to the disposal of refuse on an area. The Independent Peer Reviewer shall report on as-built construction of the base liner prior to the disposal of refuse on an area.</li> <li>v. In addition, the Independent Peer Reviewer may report, in writing, to the Southland Regional Council on any matter that he/she considers should be brought to the attention of the Council in respect of the landfill and its operation.</li> <li>vi. Where the Independent Peer Reviewer does not have the expertise in any of the areas required to report on, as detailed above, he/she may, with the agreement of the consent holder and the Southland Regional Council, engage the services of an appropriate expert to report on the relevant issue. The report shall form part of the review provided by the Independent Peer Reviewer, as required by this condition.</li> <li>vii. A Terms of Reference, to guide and direct the Independent Peer Reviewer, shall be established, in consultation with the Southland Regional Council.</li> </ul>	
21.	<ul style="list-style-type: none"> <li>i. Following independent peer review (as per condition (20) of this Schedule), all peer review reports shall be provided to the Southland Regional Council for certification in accordance with the Terms of Reference outlined in condition (20).</li> </ul>	<p>The 15 day window is provided to allow time for the Consent Holder to have certainty that the construction of an aspect of an area can proceed at least 5 working days before work will commence.</p>

Condition Number	Proposed Consent Conditions (Additional changes from the s 92 process in purple)	Comment
	<ul style="list-style-type: none"> <li>ii. Southland Regional Council shall be requested, no less than 10 working days of the receipt of an Independent Peer Review report, to confirm to the Consent Holder that the report is either certified or declined.</li> <li>iii. If no confirmation of the report’s suitability is received from Southland Regional Council within 15 working days of submission of any report or other information provided for certification, the submitted information shall be deemed to have been approved.</li> </ul> <p><i><u>Advice Note:</u> The independent peer review process remains separate to the management plan acceptance/certification process. Any reports certified by the Southland Regional Council through conditions 20-21 may be incorporated into the relevant management plan(s) without going through the process specified in conditions 13-16 to stop unnecessary duplication of the certification process.</i></p>	
22.	<p>The overall purpose of the Environmental Management Plan (EMP) is to provide details of the practices and procedures to operate the landfill in compliance with the conditions of consent. The EMP shall comply with the relevant consent conditions and achieve the following objectives:</p> <ul style="list-style-type: none"> <li>i. To operate in full compliance with the resource consent requirements and demonstrate this through reporting procedures to Consent Authorities.</li> <li>ii. To liaise with neighbours and the local community, including iwi representatives, regarding landfill operations that could affect these parties</li> <li>iii. To provide a safe working environment for people on the site.</li> <li>iv. To maintain an independent review process for the design, construction, operation, and aftercare of the landfill to confirm the work is undertaken by appropriately qualified personnel in accordance with good practice</li> <li>v. To identify operational responsibilities, the management structure and staffing</li> <li>vi. To facilitate the effective training of staff:</li> <li>vii. To facilitate accurate record keeping</li> <li>viii. To maintain community involvement including details of complaints procedures</li> </ul>	

Condition Number	Proposed Consent Conditions (Additional changes from the s 92 process in purple)	Comment
	<ul style="list-style-type: none"> <li>ix. To appropriately manage site access, fencing and security</li> <li>x. To manage site infrastructure and site amenities</li> </ul>	
<b>Landfill Operations Management Plan</b>		
23.	<p>The consent holder shall prepare and maintain a Landfill Operations Management Plan (LOMP). The LOMP shall describe the operations of the landfill, including demonstrating how compliance with the relevant conditions of this consent will be achieved. The plan shall also achieve the following objectives:</p> <ul style="list-style-type: none"> <li>i. To utilise an effective cover system to maintain quality site rehabilitation, while minimising long term leachate generation</li> <li>ii. To limit face access, thus enabling the size of the active area to be minimised.</li> <li>iii. To minimise stockpiling, both within and outside the footprint.</li> <li>iv. To outline Waste Acceptance Criteria and Procedures:                             <ul style="list-style-type: none"> <li>▪ To protect the receiving environment;</li> <li>▪ To protect the health and safety of people;</li> <li>▪ To maintain that all waste received is compatible with the land filling operation;</li> <li>▪ To maintain that all waste landfilled complies with 'Waste Acceptance Criteria' outlined in the relevant consent conditions.</li> </ul> </li> <li>v. To outline crisis response and emergency waste acceptance procedures:                             <ul style="list-style-type: none"> <li>▪ To manage the identification of all special waste;</li> <li>▪ To pre-arrange the disposal of special waste;</li> <li>▪ To have in place measures and appropriate provisions for disposal of each special waste load are in place before the waste arrives at the landfill.</li> </ul> </li> <li>vi. The placing of refuse and daily cover:                             <ul style="list-style-type: none"> <li>▪ To achieve a minimum in-situ refuse density of 0.8;</li> </ul> </li> </ul>	

Condition Number	Proposed Consent Conditions (Additional changes from the s 92 process in purple)	Comment
	<ul style="list-style-type: none"> <li>▪ To maintain a working face that is as small as possible;</li> <li>▪ To cover all refuse daily;</li> <li>▪ To manage special waste planning;</li> <li>▪ To record the location of special waste by survey;</li> </ul> <p>vii. The effective capping of the landfill:</p> <ul style="list-style-type: none"> <li>▪ To minimise ingress of rainwater into the landfill</li> <li>▪ To minimise erosion and cracking of the cap through design, planting, and maintenance</li> </ul>	
<b>Landfill Gas Management Plan</b>		
24.	<p>The consent holder shall prepare and maintain a Landfill Gas Management Plan (LGMP). The LGMP shall describe gas management for the landfill, including demonstrating how compliance with the relevant conditions of this consent will be achieved. The plan shall also achieve the following objectives:</p> <ul style="list-style-type: none"> <li>i. To provide active LFG extraction throughout the active and post-closure phases</li> <li>ii. To manage the maintenance of methane concentrations at the nearest site boundary not owned by the Consent Holder</li> <li>iii. To provide for the treatment of recovered landfill gas by flaring in accordance with the NESAQ</li> <li>iv. To manage surface emission concentrations above the area of the landfill surface for all future cells that contain permanent capping and temporary capping are maintained at less than 5000 ppm methane.</li> </ul> <p><u>Maintenance:</u></p> <ul style="list-style-type: none"> <li>v. To provide for maintenance of the landfill gas collection system</li> </ul>	

Condition Number	Proposed Consent Conditions (Additional changes from the s 92 process in purple)	Comment
<b>Landfill Concept, Landscape, Rehabilitation and Aftercare Plan</b>		
25.	<p>The consent holder shall prepare and maintain a Landfill Concept, Landscape, Rehabilitation and Aftercare Plan (LCLRAP). The LCLRAP shall describe the landscaping, rehabilitation, and aftercare of the landfill, including demonstrating how compliance with the relevant conditions of this consent will be achieved. The plan shall also achieve the following objectives:</p> <p><u>Aftercare:</u></p> <ul style="list-style-type: none"> <li>i. Aftercare operation and maintenance of leachate management systems</li> <li>ii. Aftercare operation and maintenance of landfill gas management systems</li> <li>iii. Ongoing monitoring including groundwater, surface water, landfill gas and site capping</li> <li>iv. Management of stormwater</li> <li>v. Capping and revegetation</li> <li>vi. Post settlement final contours</li> <li>vii. Responsibilities for aftercare</li> <li>viii. Land ownership and liability for contamination</li> </ul>	
<b>Landfill Leachate Management Plan</b>		
26.	<p>The consent holder shall prepare and maintain a Landfill Leachate Management Plan (LLMP). The LLMP shall describe the management of leachate for the landfill, including demonstrating how compliance with the relevant conditions of this consent will be achieved. The plan shall also achieve the following objectives:</p> <ul style="list-style-type: none"> <li>i. To provide a robust, effective leachate drainage system with ready access for cleaning and rehabilitation</li> </ul>	



Condition Number	Proposed Consent Conditions (Additional changes from the s 92 process in purple)	Comment
	<ul style="list-style-type: none"> <li>ii. To control stormwater and moisture ingress into the landfill such that the site is able to be operated as to provide effective waste stabilisation, while avoiding excessive leachate generation.</li> <li>iii. To facilitate gravity drainage of leachate from the landfill</li> <li>iv. To minimise liner penetrations</li> <li>v. To manage the removal of leachate from site for treatment to be undertaken safely in accordance with the Code of Practice for Hazardous and Liquid Waste</li> <li>vi. To provide continued compliance with the requirements of any Trade Waste Permit(s)</li> </ul> <p><u>Maintenance:</u></p> <ul style="list-style-type: none"> <li>vii. To provide for the maintenance of the leachate collection system</li> <li>viii. To provide for the maintenance of the leachate storage tank</li> </ul>	
<b>Landfill Air Quality Management Plan</b>		
27.	<p>The consent holder shall prepare and maintain a Landfill Air Quality Management Plan (LAQMP). The LAQMP shall describe the air quality management for the landfill, including demonstrating how compliance with the relevant conditions of this consent will be achieved. The plan shall also achieve the following objectives:</p> <ul style="list-style-type: none"> <li>i. To control odours so that there shall be no objectionable and offensive effect of odours beyond the boundary of the land owned, or covenanted, by the Consent Holder</li> <li>ii. To manage the disposal of odorous loads - to take place when effective mitigation measures are in place.</li> <li>iii. To manage effective daily cover of at least 150 mm of soil or equivalent alternative material;</li> <li>iv. To keep the working face as small as practicable;</li> <li>v. To limit excavation into old areas of refuse as far as practicable;</li> <li>vi. To minimise water ingress to the working face;</li> </ul>	

Condition Number	Proposed Consent Conditions (Additional changes from the s 92 process in purple)	Comment
	<p><u>Dust:</u></p> <ul style="list-style-type: none"> <li>vii. To control dust so that there shall be no objectionable and offensive effect of dust beyond the boundary of the land owned or covenanted by the Consent Holder.</li> <li>viii. To minimise the extent of unvegetated areas</li> <li>ix. To enforce vehicle speed limits on site;</li> <li>x. To keep unsealed road surfaces and working areas moist where potential for dust emissions beyond the boundary of the land owned or covenanted by the Consent Holder exists.</li> </ul>	
<b>Site Stormwater Management Plan</b>		
28.	<p>The consent holder shall prepare and maintain a Site Stormwater Management Plan (SSMP). The SSMP shall describe the stormwater management for the site, including demonstrating how compliance with the relevant conditions of this consent will be achieved. The plan shall also achieve the following objectives:</p> <ul style="list-style-type: none"> <li>i. To enable comprehensive stormwater control, with all catchment runoff routed via a sedimentation system.</li> <li>ii. To divert as much stormwater as possible away from the active face of the landfill so that operational leachate volumes are minimised</li> <li>iii. To provide effective drainage of the final surface of the landfill so that scour of the cap is minimised and long-term seepage into the landfill is minimised.</li> <li>iv. To keep all stormwater runoff from landfill activities within the AB Lime catchment, to maximise runoff available for other purposes, and minimise environmental impacts on the receiving environment</li> </ul> <p><u>Erosion and Sediment:</u></p> <ul style="list-style-type: none"> <li>i. To enable comprehensive sediment control, with a majority of catchment runoff routed via a sedimentation system</li> <li>ii. To control silt runoff from the site</li> </ul>	Under the erosion and sediment control not all stormwater uphill from roads , the weighbridge or wheel wash are routed via the sedimentation system (change to majority)

Condition Number	Proposed Consent Conditions (Additional changes from the s 92 process in purple)	Comment
	<ul style="list-style-type: none"> <li>iii. To detain flows from runoff so that deposition of transported sediment can occur through settlement</li> <li>iv. To maintain the site stormwater capture, conveyance, detention, and treatment devices so that they perform as designed.</li> </ul>	
<b>Site Archaeological/Koiwi or Taonga Accidental Discovery Plan</b>		
29.	<p>The consent holder shall prepare and maintain a Site Archaeological/Koiwi or Taonga Accidental Discovery Plan (SAKTDP). The SAKTDP shall describe the accidental discovery protocols for the site, including demonstrating how compliance with the relevant conditions of this consent will be achieved. The plan shall also achieve the following objectives:</p> <ul style="list-style-type: none"> <li>i. To ensure familiarity with accidental discovery protocols;</li> <li>ii. Protocols are followed in the event of an accidental discovery.</li> </ul>	
<b>Monitoring of Management Plans</b>		
30.	<p>The Environmental Management Plan and sub-management plans (where applicable) shall include monitoring with respect to surface water, groundwater, leachate, landfill gas and nuisance. Each monitoring element shall include:</p> <ul style="list-style-type: none"> <li>i. Monitoring locations;</li> <li>ii. Monitoring parameters;</li> <li>iii. Monitoring frequency;</li> <li>iv. Detection limits;</li> <li>v. Reporting;</li> <li>vi. Trigger levels (for each monitoring location) for implementing contingency/remedial actions</li> </ul>	
<b>Operational Conditions</b>		
31.	<p>A geological map of the base grade of the landfill shall be prepared and upgraded in the Landfill Operations Management Plan from time to time as the base grade is exposed. The</p>	

Condition Number	Proposed Consent Conditions (Additional changes from the s 92 process in purple)	Comment
	geological mapping shall include detailed logging of the location, extent and nature of fractures, fracture zones, Karst features and other defects.	
32.	All investigations, design, supervision of construction, operation, monitoring and after-care shall be undertaken by suitably qualified personnel experienced in such works, or works of a similar nature, and to the satisfaction of the Southland Regional Council.	
33.	The consent holder shall submit a revised Landfill Concept, Landscape, Rehabilitation and Aftercare Plan to the Southland Regional Council at least twenty-four months prior to planned landfill operations ceasing on this site. The revised plan shall be prepared after consultation with the owners of adjacent properties and the Southland District Council and Te Rūnanga o Awarua and Waihōpai Rūnaka and Hokonui Rūnanga.	
34.	<p>The consent holder shall retain an appropriately experienced person to supervise the operation of the landfill. That person shall compile an annual report on the operation of the landfill, including:</p> <ul style="list-style-type: none"> <li>▪ the status of landfilling operations on the site and work completed during the preceding year;</li> <li>▪ the results of environmental monitoring;</li> <li>▪ any difficulties which have arisen in the preceding year and measures taken to address those difficulties; and</li> <li>▪ activities proposed for the next year of the landfill operation.</li> </ul> <p>This report shall be forwarded to the Southland Regional Council by 1 May, unless otherwise agreed in writing with the Southland Regional Council.</p>	
35.	<p>In the event that any human remains, Koiwi, or archaeological items are discovered, the works in that area of the site shall cease immediately and the Police, Tangata Whenua (Te Rūnanga o Awarua and Waihōpai Rūnaka and Hokonui Rūnanga), and/or Heritage New Zealand Pouhere Taonga, and also the Southland Regional Council, shall be notified as soon as practicable. Works may recommence with the written approval of the Southland Regional Council. Such approval shall be given after the Southland Regional Council has considered:</p> <ul style="list-style-type: none"> <li>i. Tangata Whenua interests and values;</li> </ul>	

Condition Number	Proposed Consent Conditions (Additional changes from the s 92 process in purple)	Comment
	<ul style="list-style-type: none"> <li>ii. the consent holder's interests;</li> <li>iii. any archaeological or scientific evidence; and</li> <li>iv. any requirements of the Police.</li> </ul>	
36.	<p>All water quality sample analyses required shall be undertaken using standard methods as detailed in the "Standard Methods For The Examination Of Water And Waste Water, 1998" 20th edition by A.P.H.A. and A.W.W.A. and W.E.F. or by some other method approved in advance in writing by the Southland Regional Council.</p>	
37.	<p>Prior to the commencement of any solid waste disposal activities commencing on the site, the consent holder shall be required to enter into a bond, as described in Sections 108 and 109 of the Resource Management Act 1991 with surety of \$945,000.00 plus GST. This bond shall be held jointly by the Southland District Council and Southland Regional Council.</p> <p>The Southland Regional Council may call on a proportion of this bond sufficient to address the following matters:</p> <ul style="list-style-type: none"> <li>▪ Secure compliance with all the conditions of this consent, and to enable any adverse effects on the environment resulting from the consent holder's activities, to be avoided, remedied, or mitigated.</li> <li>▪ Secure the completion of landscaping and planting works required by the conditions of this resource consent and their ongoing maintenance.</li> <li>▪ Secure the completion of rehabilitation and closure of the site in accordance with the Landfill Concept, Landscape, Rehabilitation and Aftercare Plan required by Condition (33).</li> </ul> <p>All costs relating to the formulation and registration against the relevant certificates of title, of this bond shall be borne by the consent holder.</p> <p>This bond shall be released upon the completion of rehabilitation and closure of the site to the satisfaction of the Southland District Council.</p>	

Condition Number	Proposed Consent Conditions (Additional changes from the s 92 process in purple)	Comment
38.	<p>The Southland Regional Council may review the conditions of these consents in the event of the transfer of these consents, for the purposes of:</p> <ul style="list-style-type: none"> <li>i. ensuring the adequacy of the consents in terms of protecting the environment; and/or</li> <li>ii. ensuring that the new consent holder can comply with the intent and specific requirements of the conditions; and/or</li> <li>iii. reviewing the bond requirements.</li> </ul>	
39.	<p>The Southland Regional Council may review the conditions of these consents in the event of any new government regulation, policy, standard, or guideline in respect of landfill design, operation, monitoring, aftercare, or discharges, within 6 months of it coming into effect.</p>	
40.	<p>The consent holder may apply to change or cancel any condition of these consents</p>	<p>Suggested deletion. Consent holder can follow provisions of RMA or subsequent Acts to review and amend conditions of consent.</p>
41.	<p>The consent holder shall pay to the Southland Regional Council any administrative charge fixed in accordance with section 36 of the Resource Management Act 1991, or any charge prescribed in accordance with regulations made under section 360 of the Resource Management Act 1991.</p>	

Condition Number	Proposed Consent Conditions	Comments
	<p><b>Discharge Permit AUTH-205861-01-V1</b></p> <p><b>Discharge permit to discharge contaminants to air from a lime works.</b></p> <p><b>The site to which this land use consent applies is:</b></p> <p><b>Part Section 71 and Sections 70, 75, 77 and 78, Block VIII, Winton Hundred</b></p>	

Condition Number	Proposed Consent Conditions	Comments
<b>Expiry date: 30 September 2040</b>		
<b><i>Schedule of Conditions</i></b>		
1.	<p>The discharge to air shall only be contaminants from the following processes:</p> <ul style="list-style-type: none"> <li>▪ The quarrying of limestone using excavators and a surface miner at a rate of up to 500 tonnes per hour;</li> <li>▪ The operation of two coal and/or landfill gas fired rotary lime dryers with a combined drying rate of approximately 120 tonnes per hour of crushed limestone;</li> <li>▪ Crushing and screening of limestone;</li> <li>▪ Blending, transporting and storage of lime and fertiliser products; and</li> <li>▪ Associated on-site processes.</li> </ul> <p>The processes and the site are those described in the application and assessment of effects dated 14 October 2008, except where amended by the application dated 23 November 2018 and 29 May 2020.</p>	Insertion of new date
2.	There shall be no discharge of particulate matter beyond the boundary of the property on which consent is exercised that is offensive or objectionable to the extent that it causes an adverse effect on the environment.	
<b><i>Coal and/or Landfill Gas Fired Lime Dryers</i></b>		
3.	Discharges from the lime dryers shall be treated by cyclonic separator and wet scrubber before discharge above the roof of the processing building.	
4.	The combined coal burning rate in the two dryers shall not exceed 2,800 kilograms per hour.	
5.	<p>a) The sulphur content of coal burned in the dryers shall not exceed 0.5% by weight.</p> <p>b) The combined sulphur dioxide discharge rate shall not exceed 2 kilograms per hour.</p>	Based on the stack testing results AB Lime propose to reduce the proposed sulphur dioxide emission rate limit to a maximum of 2kg/hr.

Condition Number	Proposed Consent Conditions	Comments
6.	The tonnage of coal burned per month, the type of coal and sulphur content, and the daily operating hours of the dryer shall be recorded. This information for the previous calendar year shall be provided to the Consent Authority by 31 January each year.	
<b><i>Dust Control</i></b>		
7.	<p>All practicable measures shall be undertaken to minimise the discharge of fugitive dust, including but not limited to:</p> <ul style="list-style-type: none"> <li>a) Using water sprays to dampen yard areas, internal roadways, material stockpiles and loaded trucks during dry, windy conditions, as necessary;</li> <li>b) Maintaining established tree shelter around the boundary of the property;</li> <li>c) Undertaking processing activities within an enclosed building vented to a water scrubber;</li> <li>d) Storing processed lime product under cover;</li> <li>e) Using a truck wheel wash; and</li> <li>f) Regular sweeping of material in the despatch area</li> <li>g) On-site vehicle speeds shall be restricted to not more than 20 kilometres per hour. A sign, capable of being read at a distance of five metres, shall be erected at the site entrance to inform all visitors of this requirement.</li> <li>h) To minimise emissions of dust from truckloads of product leaving the premises, loads shall be either covered, or dampened by water spray, prior to despatch.</li> </ul>	
<b><i>Reporting</i></b>		
8.	<p>A record of all complaints made to the consent holder relating to the exercise of this consent shall be maintained, and shall include:</p> <ul style="list-style-type: none"> <li>a) The location where the particulate matter was detected by the complainant;</li> <li>b) A description of the wind speed and wind direction and rainfall if any, when the particulate matter was detected by the complainant;</li> </ul>	



Condition Number	Proposed Consent Conditions	Comments
	<ul style="list-style-type: none"> <li>c) The most likely cause of the particulate matter detected; and</li> <li>d) Any corrective action undertaken by the consent holder to avoid, remedy or mitigate the particulate matter detected by the complainant.</li> </ul> <p>The record of complaints for the previous calendar year shall be provided to the Consent Authority by 31 January each year.</p>	
<b><i>Dust Management Plan</i></b>		
9.	<p>The consent holder shall prepare and implement a Dust Management Plan (DMP).</p> <ul style="list-style-type: none"> <li>a) The DMP shall be prepared and provided to the Consent Authority within three months of the commencement of this consent and within one month of any subsequent amendment to the plan.</li> <li>b) The DMP shall be reviewed annually.</li> <li>c) The DMP and any revisions shall include all measures necessary to achieve compliance with the conditions of this consent.</li> <li>d) The DMP shall include, but not be limited to:                             <ul style="list-style-type: none"> <li>i. A description of the dust sources on site;</li> <li>ii. The methods to be used for controlling dust at each source;</li> <li>iii. A description of monitoring requirements;</li> <li>iv. A system of training for employees and contractors to make them aware of the requirements of the DMP; and</li> <li>v. Identifying staff responsible for implementing and reviewing the DMP</li> </ul> </li> <li>e) The DMP shall include details of the steps to be taken to correct any non-compliances identified. If/when the Plan is amended, a copy of the amended version (or amended sections) shall be sent to the Consent Authority as soon as practicable following amendment.</li> </ul>	
<b><i>Review of Consent</i></b>		

Condition Number	Proposed Consent Conditions	Comments
10.	<p>The Consent Authority may, during the period of 1 February to 30 September each year, serve notice of intention to review the conditions of this consent for the purpose of:</p> <ul style="list-style-type: none"> <li>a) Dealing with any adverse effect on the environment which may arise from the exercise of the consent and which it is appropriate to deal with at a later stage;</li> <li>b) Requiring the adoption of the best practicable option to remove or reduce any adverse effect on the environment;</li> <li>c) Requiring the adoption of measures to reduce adverse effects of particulate matter or sulphur dioxide;</li> <li>d) Requiring emission testing of discharges from the lime dryers or the wet scrubber serving the processing building;</li> <li>e) Requiring or amending conditions for monitoring of dust emissions and dust effects;</li> <li>f) Ensuring the conditions of this consent are consistent with any National Environmental Standards Regulations, relevant plans and/or the Environment Southland Regional Policy Statement.</li> </ul>	

## **ATTACHMENT 1. Schedule 2**

Schedule 2 from the original consent is relevant to Condition 21 of the Solid Waste to Land Discharge Permit. There are no proposed changes to Schedule 2 so it has been reproduced in its original format.

**Schedule 2**  
**Waste Acceptance Criteria**  
**Leachable and Total Concentration Limits**

Contaminant threshold is the maximum allowable concentration if a TCLP test is not carried out.

Contaminant	Contaminant Threshold (mg per litre)	Leachable Concentration (mg per litre)	Total Concentration (mg per litre)
Aluminium		40	
Arsenic	100	5.0	
Benzene	10	0.5	
Benzo(a)pyrene	0.8	0.04	
Beryllium	20	1.0	
Cadmium	20	1.0	
Carbon Tetrachloride	10	0.5	
Chlorobenzene	2000	100	
Chloroform	120	6	
Chromium (VI)	100	5	
Chlorpyrifos	4	0.2	
m-Cresol	4000	200	
o-Cresol	4000	200	
p-Cresol	4000	200	
Cresol (total)	4000	200	
Cyanide (amenable)	70	3.5	
Cyanide (total)	320	16	
2,4-D	200	10	
1,2-Dichlorobenzene	86	4.3	
1,4-Dichlorobenzene	150	7.5	
1,2-Dichloroethane	10	0.5	
1,1-Dichloroethylene	14	0.7	
Dichloromethane	172	8.6	
2,4-Dinitrotoluene	2.6	0.13	
Ethylbenzene	600	30	
Fluoride	3000	200	
Fluroxypyr	40	2	
Halogenated compounds			1000
Lead	100	5	
Mercury	4	0.2	
Methyl ethyl ketone	4000	200	
Molybdenum	100	5	
Nickel	40	2	
Nitrobenzene	40	2	
C6-C9 petroleum hydrocarbons	N/A	N/A	650
C10-C36 petroleum hydrocarbons	N/A	N/A	10000

Contaminant	Contaminant Threshold (mg per litre)	Leachable Concentration (mg per litre)	Total Concentration (mg per litre)
Phenol (non-halogenated)	288	14.4	
Picloram	60	3	
Plasticiser compounds*	20	1	
Polychlorinated biphenyls	N/A	N/A	<50
Polycyclic aromatic hydrocarbons (total)	N/A	N/A	200
Scheduled chemicals *	N/A	N/A	<50
Selenium	20	1	
Silver	100	5.0	
Styrene (vinyl benzene)	60	3	
Synthetic non-halogenated compounds			10000
Tebuconazole	128	6.4	
1,1,1,2 – Tetrachloroethane	200	10	
1,1,2,2 – Tetrachloroethane	26	1.3	
Tetrachloroethylene	14	0.7	
Toluene	288	14.4	
1,1,1 – Trichloroethane	600	30	
1,1,2 – Trichloroethane	24	1.2	
Triclopyr	40	2	
Trichloroethylene	10	0.5	
2,4,5-Trichlorophenol	8000	400	
2,4,6-Trichlorophenol	40	2	
Vinyl chloride	4	0.2	
Xylenes	1000	50	

\* Plasticiser compounds means the total of di-2-ethyl hexyl phthalate and di-2 ethyl hexyl adipate

<b>*Scheduled Chemicals</b>
Aldrin
Benzene, hexachloro
Benzene, pentachloronitro
Alpha-BHC
Beta-BHC
Gamma-BHC Lindane
Delta-BHC
Chlordane
DDD
DDE
DDT
Dieldrin
Endrin
Endrin aldehyde
Heptachlor
Heptachlor epoxide
Hexachlorophene
Isodrin
Pentachlorobenzene
Pentachlorophenol
1,2,4,5-tetrachlorobenzene
2,3,4,6- trichlorobenzene
2,4,5-trichlorophenoxyacetic acid, salts and esters

*Source: NSW EPA (1999) Environmental Guidelines: Assessment, Classification and Management of Liquid and Non-liquid Wastes, and subsequent update and MfE 2004 Hazardous Waste Guidelines*