

<b>CRC041031 – To take water from Lake Waitaki - Aviemore Limited</b> Status of Consent: <b>new</b> Catchment: <b>Aviemore/ Waitaki</b> Expiry date sought - 30 <sup>th</sup> of April 2025					
No.	Proposed Condition	ECan Comments	Meridian comments	Applicant comments	Applicant final proposed conditions
		The new proposed conditions, developed subsequent to the presentation of section 42A reports, would, provided that all of the suggested changes are incorporated, satisfactorily address cumulative water quality issues. For other issues refer to S42A reports and responses to commissioner questions.			
1	Water shall only be taken from Lake Waitaki located at or about map references NZMS I40:051-107 at the property referred to as Otematata Station.	"or about" is unnecessary and uncertain. Suggest the two words are deleted.			
2	(a) Water for irrigation shall only be used between 1 September and the following 30 April and only in accordance with the maximum rate, daily volume (being from 12.00am to 12.00am on the following day) and annual volume (measured between 1 September and the following 30 April) set out in Table A.  (b) Water taken in accordance with Table A of Condition (3) shall be used only for the spray irrigation of 119 hectares of pasture on the area of land shown on attached Plan CRC041031, Water for irrigation shall only be used on or applied to land that is subject to a memorandum of encumbrance that complies with the requirements of the agreement entitled "Agreement in Relation to the Allocation of Water for Irrigation" between Meridian Energy Limited and the Mackenzie Irrigation Company Limited dated the 31 <sup>st</sup> of October 2006.  (c) The consent holder shall, six months prior to this consent being exercised, provide to the Canterbury Regional Council a certificate from the Consent Holder's solicitor certifying that the memorandum of encumbrance provided for in Condition 2(d) is registered on the computer registers for the land	Rates and volumes should be in the condition rather than Table A in an Appendix.  Daily volume is only over 12 hours – 12am to 12pm   Suggest parts 3 and 4 included as separate conditions. - refer to Paragraph 152 (c) of the addendum s42A report of Susannah Vesey about concern in terms of expectations of Environment Canterbury enforcing this.		No issue here with removal of the table but want consistency with Derogation approval   Agreed   Applicant suggests Table A is retained in accordance with MIC agreement.   We have no concerns if this clause is split up Awaiting confirmation from Meridian	

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	shown and any other evidence of registration as the Canterbury Regional Council may require (if any).	Condition 3 is missing		Energy that this clause can be registered on this title and that Commissioner of Crown lands has consented to the registration.	
4	The consent holder shall take all practicable steps to: (a) Ensure that the volume of water used for irrigation does not exceed that required for the soil to reach field capacity; and (b) Avoid leakage from pipes and structures; and (c) Avoid the use of water onto non-productive land such as impermeable surfaces and river or stream riparian strips.				
5	Whenever the level in Lake Waitaki falls below 227 metres above mean sea level as assessed by Meridian Energy Limited (and published on <a href="http://www.meridianenergy.co.nz/AboutUs/LakeLevels/">www.meridianenergy.co.nz/AboutUs/LakeLevels/</a> ), the consent holder shall cease the abstraction of water from Lake Waitaki for the irrigation purposes.	Recommend condition refers to Meridian homepage as websites can be changed - <a href="http://www.meridianenergy.co.nz/">www.meridianenergy.co.nz/</a>  Condition 5 is missing			Deleted: 4
6	The consent holder shall, before the first exercise of this consent at the point of take: a. (i) install a water meter(s) that has an international accreditation or an equivalent New Zealand calibration endorsement suitable for use with an electronic recording device, from which the rate and the volume of water taken can be determined to within an accuracy of plus or minus five percent at a location(s) that will ensure the total take of water from [specify] is measured; and (ii) install a tamper-proof electronic recording device such as a data logger that shall record (or log) the flow totals every 15 minutes and have the capacity to hold at least one season's data of water taken as specified in clause (b) (i), or which is telemetered, as specified in clause (b)(ii). b. The water meter and recording device(s) shall be set to wrap the data from the measuring device(s) such that the oldest data will be automatically overwritten by the newest data (i.e. cyclic recording); and shall: (i) store the entire season's data in each 12 month period from 1 July to 30 June in the following year, which shall be downloaded and stored in a commonly used format and provided to the Canterbury Regional Council upon request in a form and to a standard specified in writing by the Canterbury Regional Council; or (ii) be connected to a telemetry system which collects and stores all of the data continuously with an independent network provider who will make that data available in a commonly used format at all times to the Canterbury Regional Council and the consent holder. No data in the recording device(s) shall be deliberately changed or deleted. c. The measuring device shall be installed at a site likely to retain a stable rating (i.e. a man-made channel, concrete, steel or fibreglass pipe). Installation shall be in accordance	Reference incorrect - condition (ii) refers to condition 3 and 4(a), no condition 3 or 4(a) exists.			Deleted: (as specified in conditions (3) and (4(a)))

	<p>with ISO 1100/1-1981 or equivalent and be undertaken by a suitably qualified person.</p> <p>d The water meter and recording device(s) shall be accessible to the Canterbury Regional Council at all times for inspection and/or data retrieval.</p> <p>e. The water meter and recording device(s) shall be installed and maintained throughout the duration of the consent in accordance with the manufacturer's instructions.</p> <p>f. All practicable measures shall be taken to ensure that the water meter and recording device(s) are at all times fully functional and have an accuracy standard of 5%.</p>				
9	<p>(a) The water meter installed in accordance with Condition &lt;8&gt; shall be an electromagnetic or ultrasonic meter; or</p> <p>(b) The consent holder shall, before first exercise of this consent install or make available an easily accessible straight pipe(s) at a location where the total water take is passing through, with no fittings or obstructions that may create turbulent flow conditions, of a length at least 15 times the diameter of the pipe, as part of the pump outlet plumbing or within the mainline distribution system, to allow the Canterbury Regional Council to conduct independent measurements.</p>				
10	<p>Within one month of the installation of the measuring or recording device(s), specified in conditions &lt;8&gt; or any subsequent replacement measuring or recording device(s), or at any time when requested by the Canterbury Regional Council, the consent holder shall provide a certificate to the Canterbury Regional Council, attention: RMA Compliance and Enforcement Manager, signed by a suitably qualified person certifying, and demonstrating by means of a clear diagram, that:</p> <p>(a) the measuring and recording device(s) is installed in accordance with the manufacturers specifications; and</p> <p>(b) data from the recording device(s) can be readily accessed and/or retrieved in accordance with clauses (b) of condition &lt;8&gt;.</p>				
11	<p>At five yearly intervals or at any time when requested by the Canterbury Regional Council, the consent holder shall provide a certificate to the Canterbury Regional Council, attention: RMA Compliance and Enforcement Manager, signed by a suitably qualified person certifying that:</p> <p>(a) the water meter(s) is measuring the rate of water taken as specified in condition &lt;8&gt; and</p> <p>the tamper-proof electronic recording device is operating as specified in condition &lt;8&gt;</p>				
FISH EXCLUSION DEVICE					
	Prior to the exercise of this consent:	Recommend references to "Environment Canterbury" is		<u>Agreed</u>	

<p>(a) A fish exclusion device shall be installed, operated and maintained on the intake to ensure that fish are prevented from passing into the intake;</p> <p>b) The fish exclusion device shall be positioned to avoid the entrapment of fish at the point of abstraction, and to minimise the risk of fish being damaged by contact with the fish screening device.</p> <p>(c) The fish exclusion device shall be designed or supplied by a <u>person with experience in freshwater ecology and fish screening techniques</u> who shall ensure that the performance criteria specified in clauses (a) and (b) of this condition are achieved, and that the device is designed in accordance with best practice, as outlined in the document Fish Screening: Good Practice Guidelines for Canterbury, NIWA Client Report 2007-092, October 2007.</p> <p>d) Prior to the installation of the fish screen, a report containing final design plans that demonstrate that the fish screen will meet the performance criteria specified in clauses (a) and (b) of this condition, and an operation and maintenance plan for the fish screen, shall be provided to <u>the Canterbury Regional Council</u>, Attention: RMA Compliance and Enforcement Manager."</p> <p>(e) A certificate shall be provided to Environment Canterbury, by the designer or supplier of the fish screen, to certify that the fish screen has been installed in accordance with the details provided to Environment Canterbury in accordance with clause (d) of this condition."</p> <p>(f) The fish screen shall be maintained in good working order. Records shall be kept of all inspections and maintenance, and those records shall be provided to Environment Canterbury upon request.</p>	<p>replaced by "Canterbury Regional Council".</p> <p>Clause (c) – recommend "suitably qualified person" is replaced by "a person with experience in freshwater ecology and fish screening techniques"</p> <p>Recommend clause (e) is replaced by the following wording -</p> <p>"(e) Before the taking of any water in terms of this permit, a certificate shall be provided to Canterbury Regional Council, by a person with experience in freshwater ecology and fish screening techniques, to certify that the design plans and operation and maintenance plan for the fish screen will meet performance criteria as outlined in this condition, and that the fish screen has been installed in accordance with the details provided to Canterbury Regional Council in accordance with clause (d) of this condition."</p>		<p><u>agreed</u></p>	
<p>NUTRIENT LOADING:</p>				

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	<u>For the purposes of interpretation of the following conditions Otematata Station shall be defined as the areas in certificates of title and Pastoral Lease numbers XXXXXXXXXXXX which total XXXX hectares</u>				
12	The consent holder shall prepare once per year <u>and not less than one month prior to the commencement of the irrigation season</u> , an Overseer® nutrient budgeting model report, and shall prepare, at least once per year, a report of the annual farm nutrient loading for the Otematata Station using the model Overseer® (AgResearch model version number 5.4.3 or later	When exactly do these have to be done? Need to specify dates.			
	A copy of the report prepared in accordance with condition xx shall be given to the Canterbury Regional Council, Attention: RMA Compliance and Enforcement Manager, upon request.	Condition number? Condition xx = 12?		<u>Agreed – but preference to leave final conditions numbering to be determined on grant</u>	
	<p>The consent holder shall not commence annually irrigation under this consent unless the annual (1 July to 30 June) nutrient loading (the nutrient discharge allowances (NDAs)) as estimated in accordance with condition 12 from Otematata Station shall not exceed 97622 kg of nitrogen and 2390 kg of phosphorus.</p> <p>The NDAs shall be complied following the first full year (1 July to 30 June) of irrigation development.</p>	<p>Condition number?</p> <p><b>Essential to define “Otematata Station” by reference to an area (XX ha), legal description and/or a map, otherwise there is a risk that authorised nutrient load would be double.</b></p> <p><b>The first clause of the proposed condition only requires compliance for commencement to occur, i.e., subsequent compliance would not be required. This is not appropriate. The condition should require ongoing compliance with the NDA.</b></p> <p><b>In addition the full NDA has also been applied to the Otematata consents. Therefore the FEMP nutrient load has not been split between Aviemore and Otematata properties/consents. This needs to be addressed - otherwise double the NDA would be authorised.</b></p> <p>Needs to be “The annual (01 July to 30 June) nutrient loading (NDA) estimated in accordance with condition X, shall be less than...”</p> <p>The final clause appears to be an attempt to broaden the compliance requirement but is missing some words and is not clear.</p>		<p><u>Agreed see wording above condition 12</u></p> <p>This applicant has 7 consents giving a total irrigation area of 532 ha. The NDA's are whole of property thresholds – including the dryland parts of the property not included in this application.</p> <p><u>The condition requires compliance and verification annually</u></p> <p><u>Not opposed to this wording</u></p> <p><u>Do not understand. There is no attempt to broaden wording.</u></p>	
OVERSEER MODELLING:					

13	Where Overseer, or Overseer modelling, is referred for the purposes of determining compliance with the NDA limits associated with activities on the property it shall undertaken by an independent person with an Intermediate or Advanced Sustainable Nutrient Management Certificate issued by Massey University or an equivalent qualification.	Don't consider that the three day intermediate course is adequate. Should require the more intensive Advanced Certificate. Majority of fertiliser representatives have this qualification and an increasing number of agricultural consultants.		Leave for commissioners to decide	
<b>FARM ENVIRONMENTAL MANAGEMENT PLAN</b>					
14	<p>1. The Farm Environmental Management Plan prepared for the Otematata Station and supplied to Environment Canterbury on an annual basis within two months of commencement of the current irrigation season</p> <p>2. The consent holder shall implement, and update annually the Farm Environmental Management Plan (FEMP) for Otematata Station. The FEMP shall include</p> <p>(a) Verification of compliance with NDA's by farm nutrient modelling using the model Overseer® (AgResearch model version number 5.4.3 or later).</p> <p>(b) When undertaking the modelling outlined in clause (b), the consent holder shall use either weather records collected on-farm or from constructed data from the nearest weather station.</p> <p>(c) Implementation of Mandatory Good Agricultural Practices ("MGAPS") and requirements to manage in accordance with the Otematata Station Overseer® model inputs specified in the attached Appendix A <u>of the FEMP</u> – Otematata Station Overseer® parameter report. Appendix A forms part of this consent.</p> <p>(d) A property specific environmental risk assessment (including a description of the risks to water quality arising from the physical layout of the property and its operation which are not factored in as an Overseer parameter) prepared by a suitably qualified person which identifies any farm specific environmental risks along with measures to mitigate the farm specific environmental risks.</p> <p>(e) A requirement to review the risk assessment if there are any significant changes in land use practice</p> <p>3. Detailed records shall be maintained of fertilizer application rates, types of crops (including winter feed/forage crops), cultivation methods, stock units by type, breed and age, prediction of realistic crop yields that are used to determine crop requirements and all other inputs to the Overseer nutrient budgeting model.</p> <p>4. A report based on Overseer® modelling shall be provided within one month of completion of the Overseer modelling by the <u>person with the qualifications</u> described in condition 13 and no later than two months prior to the start of the next irrigation season to the Canterbury Regional Council, Attention: RMA Compliance and Enforcement Manager. The</p>	<p>Condition is missing some wording. It appears to be some form of statement rather than a requirement. A final FEMP should be submitted prior to making a decision.</p> <p>A FEMP including verification of NDA compliance is not the same as an actual requirement to comply with the NDA.</p> <p>As above. No Appendix A provided.</p> <p>Should be a person "with the qualifications described...". The full Overseer output and input reports should be provided not a</p>		<p>FEMP has been supplied dated 1 April 2010. Draft watermark to be removed</p> <p><u>Final FEMPS have been sent to Ecan: Com: Phillips -Warnock</u></p> <p>Clause C to be deleted Overseer parameter report attached</p> <p><u>Applicant thought that with difficulties in opening and reading Overseer that Ecan wanted a report from the person in 13. We're happy to provide</u></p>	

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	<p>consent holder shall supply to the Canterbury Regional Council all model inputs relied upon for the annual Overseer® modelling.</p> <p>5. Changes may be made to Otematata Station Overseer® model inputs, provided that written certification is provided that the change is modelled using Overseer®, and that the result of that modelling demonstrates that the NDAs are not exceeded.</p> <p>6. A copy of that certification plus a copy of the resultant Overseer parameter report shall be provided to the Canterbury Regional Council, Attention: RMA Compliance and Enforcement Manager, prior to the implementation of that change.</p>	<p>report “based on Overseer modelling”. These should include the “Current farm” calculated total N and total P leaching/runoff.</p> <p>Not clear who can undertake this certification. Condition 13 may not apply.</p>		<p><u>whatever form Ecan wants</u></p> <p><u>Do not see issue – 13 applies to all references to Overseer</u></p>	
		<p>Advisory note condition references appear to be incorrect.</p> <p>Not clear why this is needed. Conditions should allow for any change provided that the NDA is complied with and annual Overseer modelling is carried out.</p>		<p><u>Agreed and delete</u></p>	
<p>FERTILISER</p>					
<p>15</p>	<p>1. Fertiliser shall be managed and applied in accordance with ‘The Code of Practice for Nutrient Management (With Emphasis on Fertiliser Use) NZFMRA 07’ or any subsequent updates.</p> <p>2. The consent holder shall keep a record of all fertiliser applications applied to the property, including fertiliser type, concentration, date and location of application, climatic conditions, mode of application and any report of the fertiliser contractor regarding the calibration of the spreader.</p> <p>3. For land based spreading of fertiliser an independent fertiliser spreading contractor shall be used to spread any fertiliser on the property except as provided for by clause (b) below.</p> <p>(a) Where an independent fertiliser spreading contractor is used the consent holder shall keep a record of the contractor used which can be supplied to the Canterbury Regional Council upon request.</p> <p>(b) Where the applicant’s own fertiliser spreaders are used, the consent holder shall test and calibrate the fertiliser spreaders at least annually, and every 5 years the fertiliser spreader will be certified by a suitably qualified person in accordance with ‘The Code of Practice for Nutrient Management (With Emphasis on Fertiliser Use) NZFMRA 07’ or any subsequent updates and the results of testing shall be provided to the Canterbury Regional Council upon</p>	<p>This code of practice is generally not written as an enforceable document, which means that this condition could not be enforced, doesn’t provide any assurance about effects and is therefore not necessary. Retention may give an impression that many aspects of fertiliser use can be controlled via a consent condition and enforced when they cannot. Therefore recommend deletion unless specific and enforceable components could be separated out and applied.</p> <p>Not clear what use could be made of “a record of the contractor”.</p>		<p><u>Fertiliser clause to be read as a whole. It has specific controls but in addition this overarching Code control provides for best overall practices to be adopted – as they may be developed from time to time.</u></p> <p><u>The issue was to avoid requirement for calibration to occur for every separate spreading operation – where it is not within applicant’s control to request calibration.</u></p> <p><u>Subclause 2 requirements for record keeping and calibration record the information. Ecan may wish this information to be supplied upon request</u></p>	

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 # for the purposes of this consent “Significant changes” constitutes a major change in the stock ratios between sheep, cattle, and deer or a major change in the farming systems for the property. . For example going from extensive sheep and beef farming to dairy farming or cropping. It does not include changes in stock numbers as would be expected to deal with inter seasonal variations arising from climatic conditions or changes in stocking rates due to market demand.

	<p>request.</p> <p>4. Nitrogen fertiliser shall not be applied to land between 31<sup>st</sup> May and 1<sup>st</sup> September in any year except for the use of nitrification inhibitors</p> <p>5. All fertiliser brought onto the property which is not immediately applied to the land is stored in a covered area that incorporates all practicable measures to prevent the fertiliser entering waterways.</p> <p>6. Applications of nitrogen fertiliser shall not exceed 50 kg nitrogen / hectare per application.</p> <p>7. If liquid fertilisers, excluding liquid effluent, are stored on-site for more than three working days, the consent holder shall ensure that the fertiliser is stored in a bunded tank, at least 110% of the volume of the tank to avoid any discharge to surface or groundwater and such that it is also protected from vehicle movements.</p> <p>Fertiliser filling areas shall not occur within 50 metres from a water course, spring or bore.</p>	<p>Last clause needs numbering.</p>			
IRRIGATION INFRASTRUCTURE					
<p>16</p>	<p>1. The consent holder shall ensure that all new (not on the property at the time of commencement of this consent) irrigation infrastructure is designed and certified by a suitably qualified independent expert holding National Certificate in Irrigation Evaluation Level 4, and installed in accordance with the certified design.</p> <p>(a) Copies of certified design documents shall be provided to the Canterbury Regional Council upon request.</p> <p>(b) All irrigation infrastructure shall be tested within 12 months of the first exercise of this consent and afterwards every five years in accordance with the 'Irrigation Code of Practice and Irrigation Design Standards, Irrigation NZ, March 2007' (code of practice) by a suitably qualified independent expert.</p> <p>(c) The expert shall prepare a report within two months of the testing, outlining their findings and shall identify any changes needed to comply with the code of practice.</p> <p>(d) Any changes needed to comply with this code of practice shall be implemented within five years from the date of the report. A copy of the report shall be provided to the Canterbury Regional Council Attention: RMA Compliance and Enforcement Manager, within three months of the report being completed.</p> <p>2. If existing irrigation infrastructure is being used, the consent holder shall obtain an evaluation report prepared by a</p>	<p>Issued by who? NZWETA? What certified design? Certified by who?</p> <p>This code of practice is not written as an enforceable document, which means that this condition could not be enforced, doesn't provide any assurance about effects and is therefore not necessary. Retention may give an impression that aspects of irrigation design can be controlled via conditions and enforced when they cannot. Therefore recommend deletion unless specific and enforceable components could be separated out and applied.</p> <p>Why not the person referred to</p>		<p><u>NZQA</u></p> <p><u>This clause provides a cross check on water efficiency requirements in that the certification parameters of the design could not be signed off unless the irrigation "as built" structures meet the efficiency parameters – Applicants consider it appropriate that a check within first 12 months should be a condition</u></p>	

	<p>suitably qualified person, on the following terms:</p> <p>(a) The evaluation shall determine the system's current performance in accordance with the Code of Practice for Irrigation Evaluation.</p> <p>(b) This report shall be obtained within three months of the first exercise of the consent.</p> <p>(c) Any recommendations identified in the report shall be implemented within five years from the date of receipt of the report.</p> <p>A copy of the report shall be forwarded to the Canterbury Regional Council within 3 months of the report being completed.</p>	<p>above?</p>			
<p>FERTIGATION</p>					
<p>17</p>	<p>1. If the irrigation system used in association with taking water in terms of this permit is to be used to distribute effluent, fertiliser or any other added contaminant, then one of the following shall be installed upstream of the point of addition of the effluent, fertiliser or other added contaminant:</p> <p>i. a reduced pressure zone device (RPZD), or</p> <p>ii. a pressure vacuum breaker (PVB), or</p> <p>iii. an air gap backflow prevention system.</p> <p>2. Installation of a RPZD or a PVB shall be in accordance with section 9 (PVB) or section 12 (RPZD) of Australian/New Zealand Standard AS/NZS 2845.1 Water supply - Backflow prevention devices, Part 1: Materials, design and performance requirements, or an equivalent standard.</p> <p>3. An air gap backflow prevention system shall have an unobstructed vertical air gap separation of at least twice the diameter of the inlet pipe, from the lowest point of the inlet pipe to the flood level rim of the receptacle into which it discharges.</p> <p>4. Field testing and maintenance shall be carried out of an RPZD or a PVB at commissioning of the use of the system for application of effluent or fertiliser and annually afterwards, in accordance with AS 2845.3 Water supply— Backflow prevention devices, Part 3: Field testing and maintenance, or an equivalent standard.</p> <p>5. An air gap backflow prevention system shall be tested at commissioning and annually afterwards. Maintenance shall be undertaken as necessary to ensure that backflow prevention is effective.</p> <p>6. Installation, testing and maintenance shall be undertaken by a certified irrigation evaluator. A report on the annual testing shall be provided to the Canterbury Regional Council, Attention: RMA Compliance and Enforcement Manager,</p>	<p>Agree</p>			

	<p>within two weeks of initial commissioning and within two weeks of each annual testing. Each report shall be accompanied with the name, qualifications and experience of the person who undertook the installation, testing or maintenance.</p> <p><i>Advice note</i></p> <p><i>The discharge of effluent, fertiliser or any contaminant would require authorisation as a permitted activity or via a discharge permit. Contact the Canterbury Regional Council for advice on the relevant regional rules.</i></p>				
<b>SUBDIVISION</b>					
18	<p>The NDAs shall be recalculated if there is a sale or transfer of any part, but not the whole, of the total farm area specified in Appendix [should be Appendix A]*. The recalculated NDAs shall replace the NDAs specified in condition 12. The recalculation of the NDAs shall be undertaken and certified using Overseer, completed and provided to the Canterbury Regional Council, Attention: RMA Compliance and Enforcement Manager together with a copy of the full Parameter report, within one month of the sale or transfer.</p>	<p>No Appendix A provided.</p> <p>Condition 12 does not specify the NDA.</p> <p>Suggest add after "The recalculated NDAs..." "...shall be undertaken to accurately redistribute the NDA between the resultant properties and...". Also need to add: "The new NDAs may be recalculated on any <u>apportionment</u> as long as the total of all the NDAs does not exceed the NDAs of the parent title as set out in condition 19.</p>		<p><u>Agreed to altered wording</u></p>	
<b>SOIL MANAGEMENT</b>					
19	<p>(a) The consent holder shall use, where practicable, direct drilling as the principal method for establishing pastures; and</p> <p>(b) On the irrigation area the consent holder shall, where practicable, sow and irrigate all cultivated areas as soon as possible following ground disturbance.</p>	<p>Agree</p>			
<b>TRIGGER RESPONSE CONDITION: EXCEEDANCE OF SURFACE WATER EARLY WARNING TRIGGER</b>					
		<p>Delete these rows.</p>		<p>No local monitoring – there is nothing to monitor in this area!</p> <p>No lake monitoring as downstream of Benmore (Lake Waitaki).</p>	

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22	<p>The Canterbury Regional Council may, once per year, on any of the last 5 working days of March or July serve notice of its intention to review the conditions of this resource consent for the purposes of dealing with any adverse effect on the environment which may arise from the exercise of the resource consent and which it is appropriate to deal with at a later stage, including</p> <p>(a) Dealing with any adverse effect on the environment which may arise from the exercise of this consent and which it is appropriate to deal with at a later stage</p>				

23	The lapsing date for the purposes of section 125 shall be 5 years.	From when?			
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**Table A – Maximum Rates & Volumes**

Year	Maximum rate of abstraction (litres / second)	Maximum Daily Volume (cubic metres / day)	Maximum Annual Volume (cubic metres / year)
1 September 2009 to 30 April 2010	55 l/s	4,752m <sup>3</sup> /day	714,000 m <sup>3</sup> /annum
1 September 2010 to 30 April 2011	55 l/s	4,752m <sup>3</sup> /day	714,000 m <sup>3</sup> /annum
1 September 2011 to 30 April 2012	55 l/s	4,752m <sup>3</sup> /day	714,000 m <sup>3</sup> /annum
1 September 2012 to 30 April 2013	55 l/s	4,752m <sup>3</sup> /day	714,000 m <sup>3</sup> /annum
1 September 2013 to 30 April 2014 and every year thereafter	55 l/s	4,752m <sup>3</sup> /day	714,000 m <sup>3</sup> /annum

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CRC041031 – LAKE WAITAKI – AREA TO BE IRRIGATED



<b>CRC083692 – To take water from Lake Waitaki - Aviemore Limited</b>					
Expiry date sought - 30 <sup>th</sup> of April 2025					
<b>No.</b>	<b>Proposed Condition</b>	<b>ECan Comments<sup>1</sup></b>	<b>Meridian comments</b>	<b>Applicant comments</b>	<b>Applicant final proposed conditions</b>
1	Water may only be taken from Lake Aviemore between map references NZMS 260 H40:893 – 186 and H40: 899 - 180 at the property referred to as Otematata Station	Overall view is that the proposed conditions with suggested changes would be ....			
2	<p>(a) Water for irrigation shall only be used between 1 September and the following 30 April and only in accordance with the maximum rate, daily volume (being from 12.00am to 12.00 <u>am on the following day</u>) and annual volume (measured between 1 September and the following 30 April) set out in Table A.</p> <p>(b) Water taken in accordance with Table A of Condition (3) shall be used only for the spray irrigation of 35 hectares of pasture on the area of land shown on attached Plan CRC083692, for grazing sheep and beef cattle</p> <p>(c) Water for irrigation shall only be used on or applied to land that is subject to a memorandum of encumbrance that complies with the requirements of the agreement entitled "Agreement in Relation to the Allocation of Water for Irrigation" between Meridian Energy Limited and the Mackenzie Irrigation Company Limited dated the 31<sup>st</sup> of October 2006.</p> <p>(d) The consent holder shall, six months prior to this consent being exercised, provide to the Canterbury Regional Council a certificate from the Consent Holder's solicitor certifying that the memorandum of encumbrance provided for in Condition 2(d) is registered on the computer registers for the land shown and any other evidence of registration as the Canterbury Regional Council may require (if any).</p>	<p>Rates and volumes should be in the condition rather than Table A in an Appendix.</p> <p>Daily volume is only over 12 hours – 12am to 12pm</p> <p>Suggest parts 3 and 4 included as separate conditions. - refer to Paragraph 152 (c) of the addendum s42A report of Susannah Vesey about concern in terms of expectations of Environment Canterbury enforcing this.</p> <p>Condition 3 is missing</p>		<p>Applicant suggests Table A is retained in accordance with MIC agreement.</p> <p>We have no concerns if this clause is split up</p> <p>Awaiting confirmation from Meridian Energy that this clause can be registered on this title and that Commissioner of Crown lands has consented to the registration.</p>	
4	<p>The consent holder shall take all practicable steps to:</p> <p>(d) Ensure that the volume of water used for irrigation does not exceed that required for the soil to reach field capacity; and</p> <p>(e) Avoid leakage from pipes and structures; and</p>				

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	(f) Avoid the use of water onto non-productive land such as impermeable surfaces and river or stream riparian strips.				
4	Whenever the level in Lake Aviemore falls below 267.7 metres above mean sea level as assessed by Meridian Energy Limited and published on <a href="http://www.meridianenergy.co.nz/AboutUs/LakeLevels">www.meridianenergy.co.nz/AboutUs/LakeLevels</a> , the consent holder shall cease the abstraction of water from Lake Aviemore for the irrigation purposes.	Recommend condition refers to Meridian homepage as websites can be changed - <a href="http://www.meridianenergy.co.nz/">www.meridianenergy.co.nz/</a> Condition 5 missing			
6	<p>The consent holder shall, before the first exercise of this consent at the point of take:</p> <p>a.</p> <p>(i) install a water meter(s) that has an international accreditation or an equivalent New Zealand calibration endorsement suitable for use with an electronic recording device, from which the rate and the volume of water taken can be determined to within an accuracy of plus or minus five percent at a location(s) that will ensure the total take of water from [specify] is measured; and</p> <p>(ii) install a tamper-proof electronic recording device such as a data logger that shall record (or log) the flow totals every 15 minutes and have the capacity to hold at least one season's (as specified in conditions (3) and (4(a))) data of water taken as specified in clause (b) (i), or which is telemetered, as specified in clause (b)(ii).</p> <p>b. The water meter and recording device(s) shall be set to wrap the data from the measuring device(s) such that the oldest data will be automatically overwritten by the newest data (i.e. cyclic recording); and shall:</p> <p>(i) store the entire season's data in each 12 month period from 1 July to 30 June in the following year, which shall be downloaded and stored in a commonly used format and provided to the Canterbury Regional Council upon request in a form and to a standard specified in writing by the Canterbury Regional Council; or</p> <p>(ii) be connected to a telemetry system which collects and stores all of the data continuously with an independent network provider who will make that data available in a commonly used format at all times to the Canterbury Regional Council and the consent holder. No data in the recording device(s) shall be deliberately changed or deleted.</p> <p>c. The measuring device shall be installed at a site likely to retain a stable rating (i.e. a man-made channel, concrete, steel or fibreglass pipe). Installation shall be in accordance with ISO 1100/1-1981 or equivalent and be undertaken by a suitably qualified person.</p> <p>d The water meter and recording device(s) shall be accessible to the Canterbury Regional Council at all times for inspection and/or data retrieval.</p> <p>e. The water meter and recording device(s) shall be installed and maintained throughout the duration of the consent in accordance with the manufacturer's instructions.</p> <p>f. All practicable measures shall be taken to ensure that the water meter and recording device(s) are at all times fully functional and</p>				

	have an accuracy standard of 5%.	Conditions 7 and 8 missing			
9	<p>(c) The water meter installed in accordance with Condition &lt;8&gt; shall be an electromagnetic or ultrasonic meter; or</p> <p>(d) The consent holder shall, before first exercise of this consent install or make available an easily accessible straight pipe(s) at a location where the total water take is passing through, with no fittings or obstructions that may create turbulent flow conditions, of a length at least 15 times the diameter of the pipe, as part of the pump outlet plumbing or within the mainline distribution system, to allow the Canterbury Regional Council to conduct independent measurements.</p>	Clause (a) references condition 8, should be condition 6.			
10	<p>Within one month of the installation of the measuring or recording device(s), specified in conditions &lt;8&gt; or any subsequent replacement measuring or recording device(s), or at any time when requested by the Canterbury Regional Council, the consent holder shall provide a certificate to the Canterbury Regional Council, attention: RMA Compliance and Enforcement Manager, signed by a suitably qualified person certifying, and demonstrating by means of a clear diagram, that:</p> <p>(c) the measuring and recording device(s) is installed in accordance with the manufacturers specifications; and</p> <p>(d) data from the recording device(s) can be readily accessed and/or retrieved in accordance with clauses (b) of condition &lt;8&gt;.</p>	Condition references condition 8, should be condition 6.			
11	<p>At five yearly intervals or at any time when requested by the Canterbury Regional Council, the consent holder shall provide a certificate to the Canterbury Regional Council, attention: RMA Compliance and Enforcement Manager, signed by a suitably qualified person certifying that:</p> <p>(b) the water meter(s) is measuring the rate of water taken as specified in condition &lt;8&gt; and</p> <p>the tamper-proof electronic recording device is operating as specified in condition &lt;8&gt;</p>				
FISH EXCLUSION DEVICE					
	<p>Prior to the exercise of this consent:</p> <p>(a) A fish exclusion device shall be installed, operated and maintained on the intake to ensure that fish are prevented from passing into the intake;</p>	<p>Recommend references to "Environment Canterbury" is replaced by "Canterbury Regional Council".</p> <p>Clause (c) – recommend "suitably qualified person" is replaced by "a person with experience in freshwater ecology and fish screening techniques"</p> <p>Recommend clause (e) is replaced by the following wording -</p> <p>"(e) Before the taking of any</p>			

	<p>b) The fish exclusion device shall be positioned to avoid the entrapment of fish at the point of abstraction, and to minimise the risk of fish being damaged by contact with the fish screening device.</p> <p>(c) The fish exclusion device shall be designed or supplied by a suitably qualified person who shall ensure that the performance criteria specified in clauses (a) and (b) of this condition are achieved, and that the device is designed in accordance with best practice, as outlined in the document Fish Screening: Good Practice Guidelines for Canterbury, NIWA Client Report 2007-092, October 2007.</p> <p>d) Prior to the installation of the fish screen, a report containing final design plans that demonstrate that the fish screen will meet the performance criteria specified in clauses (a) and (b) of this condition, and an operation and maintenance plan for the fish screen, shall be provided to Environment Canterbury, Attention: RMA Compliance and Enforcement Manager."</p> <p>(e) A certificate shall be provided to Environment Canterbury, by the designer or supplier of the fish screen, to certify that the fish screen has been installed in accordance with the details provided to Environment Canterbury in accordance with clause (d) of this condition."</p> <p>(f) The fish screen shall be maintained in good working order. Records shall be kept of all inspections and maintenance, and those records shall be provided to Environment Canterbury upon request.</p>	<p>the water in terms of this permit, a certificate shall be provided to Canterbury Regional Council, by a person with experience in freshwater ecology and fish screening techniques, to certify that the design plans and operation and maintenance plan for the fish screen will meet performance criteria as outlined in this condition, and that the fish screen has been installed in accordance with the details provided to Canterbury Regional Council in accordance with clause (d) of this condition."</p>			
<p>NUTRIENT LOADING:</p>					
<p>12</p>	<p>The consent holder shall prepare once per year, an Overseer® nutrient budgeting model report, and shall prepare, at least once per year, a report of the annual farm nutrient loading for the Otematata Station using the model Overseer® (AgResearch model version number 5.4.3 or later</p>	<p>When exactly do these have to be done? Need to specify dates.</p>			
	<p>A copy of the report prepared in accordance with condition xx shall be given to the Canterbury Regional Council, Attention: RMA Compliance and Enforcement Manager, upon request.</p>	<p>Condition number? Condition xx = 12?</p>		<p><u>Agreed – but preference to leave final conditions numbering to be determined on grant</u></p>	

	<p>The consent holder shall not commence annually irrigation under this consent unless the annual (1 July to 30 June) nutrient loading (the nutrient discharge allowances (NDAs)) as estimated in accordance with condition 12 from Otematata Station shall not exceed 97622 kg of nitrogen and 2390 kg of phosphorus.</p> <p>The NDAs shall be complied following the first full year (1 July to 30 June) of irrigation development.</p>	<p>Condition number?</p> <p><b>Essential to define “Otematata Station” by reference to an area (XX ha), legal description and/or a map, otherwise there is a risk that authorised nutrient load would be double.</b></p> <p><b>The first clause of the proposed condition only requires compliance for commencement to occur, i.e., subsequent compliance would not be required. This is not appropriate. The condition should require ongoing compliance with the NDA.</b></p> <p><b>In addition the full NDA has also been applied to the Otematata consents. Therefore the FEMP nutrient load has not been split between Aviemore and Otematata properties/consents. This needs to be addressed - otherwise double the NDA would be authorised.</b></p> <p>Needs to be “The annual (01 July to 30 June) nutrient loading (NDA) estimated in accordance with condition X, shall be less than...”</p> <p>The final clause appears to be an attempt to broaden the compliance requirement but is missing some words and is not clear.</p>		<p><u>Agreed see wording above condition 12</u></p> <p>This applicant has 7 consents giving a total irrigation area of 532 ha. The NDA's are whole of property thresholds – including the dryland parts of the property not included in this application.</p> <p><u>The condition requires compliance and verification annually</u></p> <p><u>Not opposed to this wording</u></p> <p><u>Do not understand. There is no attempt to broaden wording.</u></p>	
OVERSEER MODELLING:					
13	<p>Where Overseer, or Overseer modelling, is referred for the purposes of determining compliance with the NDA limits associated with activities on the property it shall undertaken by an independent person with an Intermediate or Advanced Sustainable Nutrient Management Certificate issued by Massey University or an equivalent qualification.</p>	<p>Don't consider that the three day intermediate course is adequate. Should require the more intensive Advanced Certificate. Majority of fertiliser representatives have this qualification and an increasing number of agricultural consultants.</p>		<p>Leave for commissioners to decide</p>	
FARM ENVIRONMENTAL MANAGEMENT PLAN					
14	<p>8. The Farm Environmental Management Plan prepared for the Otematata Station and supplied to Environment Canterbury on an annual basis within two months of commencement of the current irrigation season</p> <p>9. The consent holder shall implement, and update annually the Farm Environmental Management Plan (FEMP) for Otematata Station. The FEMP shall include</p> <p>(f) Verification of compliance with NDA's by farm nutrient</p>	<p>Condition is missing some wording. It appears to be some form of statement rather than a requirement. A final FEMP should be submitted prior to making a decision.</p> <p>A FEMP including verification of</p>		<p>FEMP has been supplied dated 1 April 2010. Draft watermark to be removed</p> <p><u>Final FEMPS have been sent to</u></p>	

<p>modelling using the model Overseer<sup>®</sup> (AgResearch model version number 5.4.3 or later).</p> <p>(g) When undertaking the modelling outlined in clause (b), the consent holder shall use either weather records collected on-farm or from constructed data from the nearest weather station.</p> <p>(h) Implementation of Mandatory Good Agricultural Practices (“MGAPS”) and requirements to manage in accordance with the Otematata Station Overseer<sup>®</sup> model inputs specified in the attached Appendix A <u>of the FEMP</u> – Otematata Station Overseer<sup>®</sup> parameter report. Appendix A forms part of this consent.</p> <p>(i) A property specific environmental risk assessment (including a description of the risks to water quality arising from the physical layout of the property and its operation which are not factored in as an Overseer parameter) prepared by a suitably qualified person which identifies any farm specific environmental risks along with measures to mitigate the farm specific environmental risks.</p> <p>(j) A requirement to review the risk assessment if there are any significant changes in land use practice</p> <p>10. Detailed records shall be maintained of fertilizer application rates, types of crops (including winter feed/forage crops), cultivation methods, stock units by type, breed and age, prediction of realistic crop yields that are used to determine crop requirements and all other inputs to the Overseer nutrient budgeting model.</p> <p>11. A report based on Overseer<sup>®</sup> modelling shall be provided within one month of completion of the Overseer modelling by the <u>person with the qualifications</u> described in condition 13 and no later than two months prior to the start of the next irrigation season to the Canterbury Regional Council, Attention: RMA Compliance and Enforcement Manager. The consent holder shall supply to the Canterbury Regional Council all model inputs relied upon for the annual Overseer<sup>®</sup> modelling.</p> <p>12. Changes may be made to Otematata Station Overseer<sup>®</sup> model inputs, provided that written certification is provided that the change is modelled using Overseer<sup>®</sup>, and that the result of that modelling demonstrates that the NDAs are not exceeded.</p> <p>13. A copy of that certification plus a copy of the resultant Overseer parameter report shall be provided to the Canterbury Regional Council, Attention: RMA Compliance and Enforcement Manager, prior to the implementation of that change.</p> <p>▼</p>	<p>NDA compliance is not the same as an actual requirement to comply with the NDA.</p> <p>As above. No Appendix A provided.</p> <p>Should be a person “with the qualifications described...”.</p> <p>The full Overseer output and input reports should be provided not a report “based on Overseer modelling”. These should include the “Current farm” calculated total N and total P leaching/runoff.</p> <p>Not clear who can undertake this certification. Condition 13 may not apply.</p> <p>Advisory note condition references appear to be incorrect.</p>		<p><u>Ecan: Com: Phillips -Warnock</u></p> <p>Clause C to be deleted Overseer parameter report attached</p> <p><u>Applicant thought that with difficulties in opening and reading Overseer that Ecan wanted a report from the person in 13. We're happy to provide whatever form Ecan wants</u></p> <p><u>Do not see issue – 13 applies to all references to Overseer</u></p> <p><u>Agreed and delete</u></p>	<p><b>Deleted:</b> person</p> <p><b>Deleted:</b> Advisory notes (Conditions 8 and 9)¶ # for the purposes of this consent “Significant changes” constitutes a major change in the stock ratios between sheep, cattle, and deer or a major change in the farming systems for the property. . For example going from extensive sheep and beef farming to dairy farming or cropping. It does not include changes in stock numbers as would be expected to deal with inter seasonal variations arising from climatic conditions or changes in stocking rates due to market demand.</p>
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		Not clear why this is needed. Conditions should allow for any change provided that the NDA is complied with and annual Overseer modelling is carried out.			
FERTILISER					
15	<p>14. Fertiliser shall be managed and applied in accordance with 'The Code of Practice for Nutrient Management (With Emphasis on Fertiliser Use) NZFMRA 07' or any subsequent updates.</p> <p>15. The consent holder shall keep a record of all fertiliser applications applied to the property, including fertiliser type, concentration, date and location of application, climatic conditions, mode of application and any report of the fertiliser contractor regarding the calibration of the spreader.</p> <p>16. For land based spreading of fertiliser an independent fertiliser spreading contractor shall be used to spread any fertiliser on the property except as provided for by clause (b) below.</p> <p>(c) Where an independent fertiliser spreading contractor is used the consent holder shall keep a record of the contractor used which can be supplied to the Canterbury Regional Council upon request.</p> <p>(d) Where the applicant's own fertiliser spreaders are used, the consent holder shall test and calibrate the fertiliser spreaders at least annually, and every 5 years the fertiliser spreader will be certified by a suitably qualified person in accordance with 'The Code of Practice for Nutrient Management (With Emphasis on Fertiliser Use) NZFMRA 07' or any subsequent updates and the results of testing shall be provided to the Canterbury Regional Council upon request.</p> <p>17. Nitrogen fertiliser shall not be applied to land between 31<sup>st</sup> May and 1<sup>st</sup> September in any year except for the use of nitrification inhibitors</p> <p>18. All fertiliser brought onto the property which is not immediately applied to the land is stored in a covered area that incorporates all practicable measures to prevent the fertiliser entering waterways.</p> <p>19. Applications of nitrogen fertiliser shall not exceed 50 kg nitrogen / hectare per application.</p> <p>20. If liquid fertilisers, excluding liquid effluent, are stored on-site for more than three working days, the consent holder shall ensure that the fertiliser is stored in a bunded tank, at least 110% of the volume of the tank to avoid any discharge to surface or groundwater and such that it is also protected from vehicle movements.</p> <p>Fertiliser filling areas shall not occur within 50 metres from a</p>	<p>This code of practice is generally not written as an enforceable document, which means that this condition could not be enforced, doesn't provide any assurance about effects and is therefore not necessary. Retention may give an impression that many aspects of fertiliser use can be controlled via a consent condition and enforced when they cannot. Therefore recommend deletion unless specific and enforceable components could be separated out and applied.</p> <p>Not clear what use could be made of "a record of the contractor".</p> <p><b>There should be watercourse/ spring/bore buffer areas specified where no fertiliser filling shall occur, e.g., minimum of 50 metres.</b></p>		<p><u>Fertiliser clause to be read as a whole. It has specific controls but in addition this overarching Code control provides for best overall practices to be adopted – as they may be developed from time to time.</u></p> <p><u>The issue was to avoid requirement for calibration to occur for every separate spreading operation – where it is not within applicant's control to request calibration.</u></p> <p><u>Subclause 2 requirements for record keeping and calibration record the information. Ecan may wish this information to be supplied upon request</u></p>	

	water course, spring or bore.	Last clause needs numbering.			
IRRIGATION INFRASTRUCTURE					
16	<p>3. The consent holder shall ensure that all new (not on the property at the time of commencement of this consent) irrigation infrastructure is designed and certified by a suitably qualified independent expert holding National Certificate in Irrigation Evaluation Level 4, and installed in accordance with the certified design.</p> <p>(a) Copies of certified design documents shall be provided to the Canterbury Regional Council upon request.</p> <p>(b) All irrigation infrastructure shall be tested within 12 months of the first exercise of this consent and afterwards every five years in accordance with the 'Irrigation Code of Practice and Irrigation Design Standards, Irrigation NZ, March 2007' (code of practice) by a suitably qualified independent expert.</p> <p>(c) The expert shall prepare a report within two months of the testing, outlining their findings and shall identify any changes needed to comply with the code of practice.</p> <p>(d) Any changes needed to comply with this code of practice shall be implemented within five years from the date of the report. A copy of the report shall be provided to the Canterbury Regional Council Attention: RMA Compliance and Enforcement Manager, within three months of the report being completed.</p> <p>4. If existing irrigation infrastructure is being used, the consent holder shall obtain an evaluation report prepared by a suitably qualified person, on the following terms:</p> <p>(d) The evaluation shall determine the system's current performance in accordance with the Code of Practice for Irrigation Evaluation.</p> <p>(e) This report shall be obtained within three months of the first exercise of the consent.</p> <p>(f) Any recommendations identified in the report shall be implemented within five years from the date of receipt of the report.</p> <p>A copy of the report shall be forwarded to the Canterbury Regional Council within 3 months of the report being completed.</p>	<p>Condition numbering incorrect. Issued by who? NZWETA? What certified design? Certified by who?</p> <p>This code of practice is not written as an enforceable document, which means that this condition could not be enforced, doesn't provide any assurance about effects and is therefore not necessary. Retention may give an impression that aspects of irrigation design can be controlled via conditions and enforced when they cannot. Therefore recommend deletion unless specific and enforceable components could be separated out and applied.</p> <p>Why not the person referred to above?</p>		NZQA	<p><u>This clause provides a cross check on water efficiency requirements in that the certification parameters of the design could not be signed off unless the irrigation "as built" structures meet the efficiency parameters – Applicants consider it appropriate that a check within first 12 months should be a condition</u></p>
FERTIGATION					
17	7. If the irrigation system used in association with taking water in terms of this permit is to be used to distribute effluent,	Agree			

	<p>fertiliser or any other added contaminant, then one of the following shall be installed upstream of the point of addition of the effluent, fertiliser or other added contaminant:</p> <ul style="list-style-type: none"> <li>iv. a reduced pressure zone device (RPZD), or</li> <li>v. a pressure vacuum breaker (PVB), or</li> <li>vi. an air gap backflow prevention system.</li> </ul> <p>8. Installation of a RPZD or a PVB shall be in accordance with section 9 (PVB) or section 12 (RPZD) of Australian/New Zealand Standard AS/NZS 2845.1 Water supply - Backflow prevention devices, Part 1: Materials, design and performance requirements, or an equivalent standard.</p> <p>9. An air gap backflow prevention system shall have an unobstructed vertical air gap separation of at least twice the diameter of the inlet pipe, from the lowest point of the inlet pipe to the flood level rim of the receptacle into which it discharges.</p> <p>10. Field testing and maintenance shall be carried out of an RPZD or a PVB at commissioning of the use of the system for application of effluent or fertiliser and annually afterwards, in accordance with AS 2845.3 Water supply— Backflow prevention devices, Part 3: Field testing and maintenance, or an equivalent standard.</p> <p>11. An air gap backflow prevention system shall be tested at commissioning and annually afterwards. Maintenance shall be undertaken as necessary to ensure that backflow prevention is effective.</p> <p>12. Installation, testing and maintenance shall be undertaken by a certified irrigation evaluator. A report on the annual testing shall be provided to the Canterbury Regional Council, Attention: RMA Compliance and Enforcement Manager, within two weeks of initial commissioning and within two weeks of each annual testing. Each report shall be accompanied with the name, qualifications and experience of the person who undertook the installation, testing or maintenance.</p> <p><i>Advice note</i></p> <p><i>The discharge of effluent, fertiliser or any contaminant would require authorisation as a permitted activity or via a discharge permit. Contact the Canterbury Regional Council for advice on the relevant regional rules.</i></p>				
SUBDIVISION					
18	<p>The NDAs shall be recalculated if there is a sale or transfer of any part, but not the whole, of the total farm area specified in Appendix [should be Appendix AJ]*. The recalculated NDAs shall replace the NDAs specified in condition 12. The recalculation of the NDAs shall be undertaken and certified using Overseer, completed and provided to the Canterbury Regional Council, Attention: RMA Compliance and Enforcement Manager together</p>	<p>No Appendix A provided.</p> <p>Condition 12 does not specify the NDA.</p> <p>Suggest add after "The recalculated NDAs..." "...shall be</p>	<p><a href="#">Agreed to altered wording</a></p>		

	with a copy of the full Parameter report, within one month of the sale or transfer.	undertaken to accurately redistribute the NDA between the resultant properties and...". Also need to add: "The new NDAs may be recalculated on any proportionment as long as the total of all the NDAs does not exceed the NDAs of the parent title as set out in condition 19.			
<b>SOIL MANAGEMENT</b>					
19	(c) The consent holder shall use, where practicable, direct drilling as the principal method for establishing pastures; and  (d) On the irrigation area the consent holder shall, where practicable, sow and irrigate all cultivated areas as soon as possible following ground disturbance.	Agree			
<b>TRIGGER RESPONSE CONDITION: EXCEEDANCE OF SURFACE WATER EARLY WARNING TRIGGER</b>					
		Delete these rows.		No local monitoring – there is nothing to monitor in this area!  No lake monitoring as downstream of Benmore (Lake Waitaki).	

22	<p>The Canterbury Regional Council may, once per year, on any of the last 5 working days of March or July serve notice of its intention to review the conditions of this resource consent for the purposes of dealing with any adverse effect on the environment which may arise from the exercise of the resource consent and which it is appropriate to deal with at a later stage, including</p> <p>(b) Dealing with any adverse effect on the environment which may arise from the exercise of this consent and which it is appropriate to deal with at a later stage</p>				
23	The lapsing date for the purposes of section 125 shall be 5 years.				

Table A

Year	Maximum rate of abstraction (litres / second)	Maximum Daily Volume (cubic metres / day)	Maximum Annual Volume (cubic metres / year)
1 September 2009 to 30 April 2010	19 l/s	1,642 m <sup>3</sup> /day	210,000 m <sup>3</sup> /annum
1 September 2010 to 30 April 2011	19 l/s	1,642 m <sup>3</sup> /day	210,000 m <sup>3</sup> /annum

1 September 2011 to 30 April 2012	19 l/s	1,642 m <sup>3</sup> /day	210,000 m <sup>3</sup> /annum
1 September 2012 to 30 April 2013	19 l/s	1,642 m <sup>3</sup> /day	210,000 m <sup>3</sup> /annum
1 September 2013 to 30 April 2014 and every year thereafter	19 l/s	1,642 m <sup>3</sup> /day	210,000 m <sup>3</sup> /annum

Plan

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CRC083602 – LAKE AVIEMORE – AREA TO BE IRRIGATED



