

**Discharge of Aerosols and Odour to Air – Conditions**

No.	Applicants Proposed Conditions	Horizons Condition and Comment																																										
	<p><b>Definitions:</b></p> <p>In the following conditions:</p> <table border="1" data-bbox="142 342 1537 583"> <tr> <td>Land treatment area</td> <td>Means the land identified in Plan Number ? to which treated wastewater will be applied.</td> </tr> <tr> <td>Treated wastewater</td> <td>Means secondary treated wastewater derived from the Permit Holder's Manawatu Processing plant's wastewater treatment and storage ponds.</td> </tr> <tr> <td>Pond solids</td> <td>Means the solids that have settled out and been retained in the Permit Holder's Manawatu Processing plant's wastewater treatment ponds.</td> </tr> <tr> <td>Paunch solids</td> <td>Means undigested gut contents removed from slaughtered livestock.</td> </tr> <tr> <td>Treated organic solids</td> <td>Means pond solids or paunch solids or a mixture of both types of solid material.</td> </tr> <tr> <td>The Activities</td> <td>Means the activities authorised by this permit as described in Condition 2.</td> </tr> </table>	Land treatment area	Means the land identified in Plan Number ? to which treated wastewater will be applied.	Treated wastewater	Means secondary treated wastewater derived from the Permit Holder's Manawatu Processing plant's wastewater treatment and storage ponds.	Pond solids	Means the solids that have settled out and been retained in the Permit Holder's Manawatu Processing plant's wastewater treatment ponds.	Paunch solids	Means undigested gut contents removed from slaughtered livestock.	Treated organic solids	Means pond solids or paunch solids or a mixture of both types of solid material.	The Activities	Means the activities authorised by this permit as described in Condition 2.																															
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<b>Consent Duration</b>																																												
1	Discharge Permit Number shall expire on 1 July 2049.																																											
<b>Authorised Discharge Activity</b>																																												
2	The activity authorised by this Discharge Permit is restricted to the discharge of aerosols and odour to air associated with the discharge of treated wastewater, pond solids and paunch solids to land.																																											
3	<p>Any discharge undertaken in accordance with Condition 2 shall occur on land legally described as:</p> <table border="1" data-bbox="142 821 1077 1476"> <thead> <tr> <th>Legal Description</th> <th>Owner</th> </tr> </thead> <tbody> <tr><td>Part Section 225 Sbdn A Manchester DIST</td><td>Byreburn Limited</td></tr> <tr><td>Lot 191 DP 100</td><td>Byreburn Limited</td></tr> <tr><td>Section 5 Block XIV Oroua SD</td><td>Byreburn Limited</td></tr> <tr><td>Lot 2 DP 89128</td><td>Byreburn Limited</td></tr> <tr><td>Lot 1 DP 57580</td><td>Byreburn Limited</td></tr> <tr><td>Lot 1 DP 89045</td><td>Byreburn Limited</td></tr> <tr><td>Lot 2 DP 89045</td><td>Byreburn Limited</td></tr> <tr><td>Lot 30 DP 2688</td><td>Byreburn Limited</td></tr> <tr><td>Lot 31 DP 2688</td><td>Byreburn Limited</td></tr> <tr><td>Lot 3 DP 89045</td><td>AFFCO New Zealand Limited</td></tr> <tr><td>Sbdn 1 Sec 12 Block XIV Oroua SD</td><td>AFFCO New Zealand Limited</td></tr> <tr><td>Part Section 13 Clock XIV Kairanga SD</td><td>AFFCO New Zealand Limited</td></tr> <tr><td>Lot 28 DP 2688</td><td>AFFCO New Zealand Limited</td></tr> <tr><td>Lot 24 DP 2688</td><td>AFFCO New Zealand Limited</td></tr> <tr><td>Lot 23 DP 2688</td><td>AFFCO New Zealand Limited</td></tr> <tr><td>Lot 22 DP 2688</td><td>AFFCO New Zealand Limited</td></tr> <tr><td>Lot 21 DP 2688</td><td>AFFCO New Zealand Limited</td></tr> <tr><td>Part Aorangi 1C Block</td><td>Dalcam Company Limited</td></tr> <tr><td>Lot 19 DP 2688</td><td>Dalcam Company Limited</td></tr> <tr><td>Lot 18 DP 2688</td><td>Dalcam Company Limited</td></tr> </tbody> </table>	Legal Description	Owner	Part Section 225 Sbdn A Manchester DIST	Byreburn Limited	Lot 191 DP 100	Byreburn Limited	Section 5 Block XIV Oroua SD	Byreburn Limited	Lot 2 DP 89128	Byreburn Limited	Lot 1 DP 57580	Byreburn Limited	Lot 1 DP 89045	Byreburn Limited	Lot 2 DP 89045	Byreburn Limited	Lot 30 DP 2688	Byreburn Limited	Lot 31 DP 2688	Byreburn Limited	Lot 3 DP 89045	AFFCO New Zealand Limited	Sbdn 1 Sec 12 Block XIV Oroua SD	AFFCO New Zealand Limited	Part Section 13 Clock XIV Kairanga SD	AFFCO New Zealand Limited	Lot 28 DP 2688	AFFCO New Zealand Limited	Lot 24 DP 2688	AFFCO New Zealand Limited	Lot 23 DP 2688	AFFCO New Zealand Limited	Lot 22 DP 2688	AFFCO New Zealand Limited	Lot 21 DP 2688	AFFCO New Zealand Limited	Part Aorangi 1C Block	Dalcam Company Limited	Lot 19 DP 2688	Dalcam Company Limited	Lot 18 DP 2688	Dalcam Company Limited	
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<b>Odour and Aerosol Management</b>																																												
4	<p>The Permit Holder must ensure that the activity does not result in offensive or objectionable odour or spray drift at or beyond the property boundary.</p> <p><b>Advice Note:</b> An odour or spray drift will only be considered objectionable after a Manawatu-Whanganui Regional Council officer has considered the Frequency, Intensity Duration, Offensive and Location of the odour or spray drift (i.e. the FIDOL Factors).</p>	<p>The Permit Holder must ensure that the activity does not result in offensive or objectionable odour or spray drift at or beyond the property boundary.</p> <p><b>Advice Note:</b> An odour or spray drift will only be considered objectionable after a Manawatu-Whanganui Regional Council <u>enforcement</u> officer has considered the Frequency, Intensity Duration, Offensive and Location of the odour or spray drift (i.e. the FIDOL Factors).</p> <p>The property boundary is defined as any property identified in Condition 2.</p>																																										
5	<p>The Permit Holder must ensure the activity automatically ceases when the 10 minute average wind speed at the maximum height of the sprayed treated wastewater exceeds 12 m/s or higher from a direction whereby the irrigation is within 200 m of the property boundary. The activity can resume 30 minutes after the wind speed drops below the nominated threshold or the wind direction changes.</p>	<p>The Permit Holder must ensure the activity automatically ceases when the 10 minute average wind speed at the maximum height of the sprayed treated wastewater exceeds 12 m/s or higher from a direction whereby the irrigation is within 200 m of the property boundary. The activity can resume 30 minutes after the wind speed drops below the nominated threshold or the wind direction changes.</p> <p><b>Advice Note:</b> Wind speed as measured by the climate station to be installed in accordance with Condition 7</p>																																										

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6	<p>The Permit Holder must review the adequacy of the wind speed shut-down level and direction in Condition 5 on an annual basis, commencing 1 October 2016. The results of this review must be provided to Manawatu-Whanganui Regional Council's Regulatory Manager in the monitoring report required by General Condition 20.</p> <p><b>Advice Note:</b> <i>If the current wind speed shut-down level and wind direction is deemed inadequate to avoid odour or spray drift onto adjacent properties following a review under Condition 6, a variation to Condition 5 by way of s127 may be required.</i></p>	<p>The Permit Holder must review the adequacy of the wind speed shut-down level and direction in Condition 5 on an annual basis, commencing 1 October <u>2017</u>. The results of this review must be provided to Manawatu-Whanganui Regional Council's Regulatory Manager in the monitoring report required by General Condition 20.</p> <p><b>Advice Note:</b> <i>If the current wind speed shut-down level and wind direction is deemed inadequate to avoid odour or spray drift onto adjacent properties following a review under Condition 6, a variation to Condition 5 by way of s127 may be required.</i></p>
7	<p>Prior to commencing the activity, the Permit Holder must install a climate station near the AFFCO wastewater treatment plant that is capable of continuous real time monitoring of wind speed and direction, air temperature and rainfall. Monitoring must be undertaken in accordance with the Good Practice Guide for Air Quality Monitoring and Data Management, Ministry for the Environment, 2009.</p>	
8	<p>The climate station required by Condition 7 must be able to:</p> <ul style="list-style-type: none"> <li>a) Be remotely accessed via a telemetered link; and</li> <li>b) Be connected to the irrigation controller and be able to shut down automatically when wind conditions described in Condition 5 occur.</li> </ul>	
<b>Review</b>		
9	<p>The Manawatu-Whanganui Regional Council may, under Section 128 of the Act initiate a review of the Conditions of this discharge Permit every 5 years in the month of July, commencing in July 2018, for the duration of this Discharge Permit. The review must be for the purposes of avoiding, remedying or mitigating any adverse effects on the environment, which may arise from the exercise of this Discharge Permit.</p> <p>The review must allow for the consideration of the following matters:</p> <ul style="list-style-type: none"> <li>a) The deletion or amendment of these Conditions;</li> <li>b) The amendment or addition of new Conditions as necessary to avoid, remedy or mitigate any adverse effects on the environment, including but not limited to Conditions to mitigate adverse effects attributed to any breach of any Conditions; and</li> <li>c) The adoption of Best Practicable Option to prevent or minimise adverse effects from the exercise of this Discharge Permit.</li> </ul>	