

No.	Applicants proposed Condition	Horizons Condition and Comment										
General Conditions												
	<p><i>Definitions:</i></p> <p>In the following Conditions:</p> <table border="1" data-bbox="189 359 1175 779"> <tr> <td data-bbox="195 359 468 432">Activities</td> <td data-bbox="480 359 1169 432">Means the activities authorised by Discharge Permits numbers ...</td> </tr> <tr> <td data-bbox="195 436 468 510">Land Treatment Area</td> <td data-bbox="480 436 1169 510">Means the land identified in Plan Number ? to which treated wastewater will be applied.</td> </tr> <tr> <td data-bbox="195 514 468 588">Land Treatment System</td> <td data-bbox="480 514 1169 588">Means the infrastructure by which treated wastewater is irrigated onto the land treatment area.</td> </tr> <tr> <td data-bbox="195 592 468 665">River Discharge System</td> <td data-bbox="480 592 1169 665">Means the infrastructure by which treated wastewater is discharged to the Oroua River.</td> </tr> <tr> <td data-bbox="195 669 468 779">Treated wastewater</td> <td data-bbox="480 669 1169 779">Means secondary treated wastewater derived from the Permit Holder's Manawatu Processing plant's wastewater treatment ponds.</td> </tr> </table>	Activities	Means the activities authorised by Discharge Permits numbers ...	Land Treatment Area	Means the land identified in Plan Number ? to which treated wastewater will be applied.	Land Treatment System	Means the infrastructure by which treated wastewater is irrigated onto the land treatment area.	River Discharge System	Means the infrastructure by which treated wastewater is discharged to the Oroua River.	Treated wastewater	Means secondary treated wastewater derived from the Permit Holder's Manawatu Processing plant's wastewater treatment ponds.	
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1	The Permit Holder must undertake the activities in general accordance with the information supplied in the consent application, the Assessment of Environmental Effects dated 31 March 2015, including all concepts, parameters, drawings, activity specifications, proposed mitigation measures, methods concerning how the activity will be conducted and the scale, character and intensity of effects. Where the information is inconsistent with the requirements of specific consent conditions, the conditions prevail.											
2	The Permit Holder must ensure that all treated wastewater, water quality and soil sampling required under these Conditions and the Conditions of Discharge Permits (to water, to land, to air and to groundwater) is collected by a suitably experienced and/or qualified person and analysed by an appropriately accredited, independent laboratory. All analytical methods must be appropriate for treated meatworks effluent, water quality or soil analysis											
3	<p>No later than 3 months after the grant of this permit, the Permit Holder must submit to the Manawatu-Whanganui Regional Council's Regulatory Manager an Operation and Management Plan detailing (but not limited to) the following items:</p> <ol style="list-style-type: none"> A description of the land treatment system and the river discharge system, including a site map indicating the location of discharge infrastructure, the land treatment area, and monitoring sites; Intended operation and maintenance procedures for the land treatment system and the river discharge system, including how the systems will be operated and maintained to comply with these Conditions and the Conditions of Discharge Permits (to water, to land, to air and to groundwater); The procedures to be implemented to ensure that, where practicable, treated wastewater is discharged as a priority to land in accordance with the Discharge Permit (to land), including record-keeping procedures to demonstrate that the prioritisation has occurred; A plan identifying the location and size of each management block within the land treatment area; The measures to be implemented to control, regulate and record irrigation application, including application depths and details about how the management blocks within the land treatment area will be managed; Pasture, grazing and harvesting management and maintenance procedures; The frequency of flushing of the irrigation pipes and the circumstances under which pipe flushing will occur; Measures to ensure the treated wastewater irrigated remains aerobic; On-site responsibilities, including operation and maintenance of the wastewater treatment facilities and pipelines to the river and land discharge points; Key operational matters, including daily, weekly and monthly maintenance checks, and the keeping of a maintenance register to record the details of all maintenance events and any system malfunctions; Monitoring and reporting procedures required to demonstrate compliance with these Conditions and the Conditions of Discharge Permits (to water, to land, to air and to groundwater); 	<p>No later than 3 months after the grant of this permit, the Permit Holder must submit to the Manawatu-Whanganui Regional Council's Regulatory Manager an Operation and Management Plan detailing (but not limited to) the following items:</p> <ol style="list-style-type: none"> A description of the land treatment system and the river discharge system, including a site map indicating the location of discharge infrastructure, the land treatment area, and monitoring sites; Intended operation and maintenance procedures for the land treatment system and the river discharge system, including how the systems will be operated and maintained to comply with these Conditions and the Conditions of Discharge Permits (to water, to land, to air and to groundwater); The procedures to be implemented to ensure that, where practicable, treated wastewater is discharged as a priority to land in accordance with the Discharge Permit (to land), including record-keeping procedures to demonstrate that the prioritisation has occurred; A plan identifying the location and size of each management block within the land treatment area; The measures to be implemented to control, regulate and record irrigation application, including application depths and details about how the management blocks within the land treatment area will be managed; Pasture, grazing and harvesting management and maintenance procedures <u>to ensure compliance with the nitrogen and phosphorus loading limits identified in consent xxx, condition xxx;</u> The frequency of flushing of the irrigation pipes and the circumstances under which pipe flushing will occur <u>to ensure compliance with condition xxx, of consent xxx (discharge to air consent);</u> Measures to ensure the treated wastewater irrigated remains aerobic <u>to ensure compliance with condition xxx, of consent xxx (discharge to air);</u> On-site responsibilities, including operation and maintenance of the wastewater treatment facilities and pipelines to the river and land discharge points; Key operational matters, including daily, weekly and monthly maintenance checks, and the keeping of a maintenance register to record the details of all maintenance events and any system malfunctions; 										

	<ul style="list-style-type: none"> l. A description of any other on-farm operations affecting nutrient loading or leaching within the land treatment area (e.g. grazing, crops, fertiliser application); m. A risk assessment plan and contingency plans in the event of system malfunctions or breakdowns; n. Procedures for receiving, recording and responding to all complaints in accordance with Conditions (17 and 18); o. A protocol for managing accidental discovery of artefacts of historic, archaeological or cultural significance during construction; p. Mitigation and contingency measures for controlling odour, aerosols, ponding and run-off in and from the land treatment area; q. Procedures for the wind speed shut-down required by Condition (5) of Discharge Permit (to air); r. Details of how changes in wastewater composition and volume are to be managed; and s. Measures to ensure that the activities do not result in any erosion or scouring of the bed or banks of the Oroua River. 	<ul style="list-style-type: none"> k. Monitoring and reporting procedures required to demonstrate compliance with these Conditions and the Conditions of Discharge Permits (to water, to land, to air and to groundwater); l. A description of any other on-farm operations affecting nutrient loading or leaching within the land treatment area (e.g. grazing, crops, fertiliser application); a. A risk assessment plan and contingency plans in the event of system malfunctions or breakdowns; b. Procedures for receiving, recording and responding to all complaints in accordance with Conditions (17 and 18); c. A protocol for managing accidental discovery of artefacts of historic, archaeological or cultural significance during construction; d. Mitigation and contingency measures for controlling odour, aerosols, ponding and run-off in and from the land treatment area; e. Procedures for the wind speed shut-down required by Condition (5) of Discharge Permit (to air); f. Details of how changes in wastewater composition and volume are to be managed; and g. Measures to ensure that the activities do not result in any erosion or scouring of the bed or banks of the Oroua River. <p><u>No later than 3 months after the grant of this permit, the Permit Holder must submit to the Manawatu-Whanganui Regional Council's Regulatory Manager an Odour Management Plan.</u></p>
4	The Permit Holder must not commence the activities which differ from those authorised by Discharge Permit numbers 4219, 4226, and 6191 until the Manawatu-Whanganui Regional Council's Regulatory Manager has certified in writing that the Operation and Management Plan fulfils the requirements of Condition 3	Delete – this condition is not appropriate. The application is for a new proposed
5	The Permit Holder must annually review the Operation and Management Plan by 31 October of each year, commencing October 2016, to incorporate any proposed changes to the management of the activities. Following each review, the Operation and Management Plan, including any proposed changes must be submitted to the Manawatu-Whanganui Regional Council's Regulatory Manager for technical re-certification before 30 November of the same year	
6	The Permit Holder must undertake the activities in accordance with the Operation and Management Plan that is most recently certified pursuant to Conditions 4 or 5. Advice Note: The Regulatory Manager or team representative can be contacted on Freephone 0505 800 800 or by e-mail at compliance.shared@horizons.govt.nz	
7	The Permit Holder must ensure that the physical infrastructure of the land treatment system and the land treatment area are inspected every week when operational, and the physical infrastructure of the river discharge system is inspected every month, and that relevant parts of the systems are also inspected whenever any alarms associated with the systems are activated.	
8	If any blockages and/or breaks are identified in an inspection under Condition 7 or otherwise, the system affected must cease operation until the blockage and/or break is remedied, and the Permit Holder must notify Manawatu-Whanganui Regional Council's Regulatory Manager within 48 hours of identifying the blockage and/or break.	
9	Records of the inspections made in accordance with Condition 7 and any resulting system maintenance must be kept and made available to the Manawatu-Whanganui Regional Council on request	
10.	By 1 July 2016 the Permit Holder must ensure that there is a minimum of 57,600 m ³ of storage capacity available for the storage of treated wastewater. This must be "live storage" (that is, storage that is not used for wastewater treatment purposes and which holds treated wastewater that can be used for discharge purposes when conditions allow) provided in addition to the existing treatment volume. At least 500 mm of freeboard must be provided in addition to the 57,600 m ³ capacity required for storage. The Permit Holder must irrigate the volume retained in the live storage as soon as practically possible	By 1 July 2017 the Consent Holder shall submit a <u>report prepared by suitably qualified and experienced engineer confirming how the minimum of 57,600 m³ of storage capacity available for the storage of treated wastewater is to be maintained throughout the term of this Permit.</u> This must be "live storage" (that is, storage that is not used for wastewater treatment purposes and which holds treated wastewater that can be used for discharge purposes when conditions allow) provided in addition to the existing treatment volume. At least 500 mm of freeboard must be provided in addition to the 57,600 m ³ capacity required for storage. The Consent Holder must irrigate the volume retained in the live storage as soon as practically possible
11.	The treated wastewater must meet the following standards prior to discharge to the land treatment area and the Oroua River: <ul style="list-style-type: none"> a. The concentration of Soluble Carbonaceous five day Biochemical Oxygen Demand (ScBOD₅) must not exceed 29 g/m³ in more than 8 out of 12 consecutive samples, or 74 g/m³ in more than 2 out of 12 consecutive samples; b. The concentration of Total Suspended Solids must not exceed 85 g/m³ for more than 8 out of 12 consecutive samples, or 295 g/m³ in more than 2 out of 12 consecutive samples; c. The concentration of <i>Escherichia coli</i> must not exceed 9,500 cfu/100 mL for more than 8 out of 12 consecutive samples, or 20,000 cfu/100 mL in more than 2 out of 12 consecutive samples; d. The concentration of Total Ammoniacal Nitrogen must not exceed 84 g/m³ for more than 8 out of 12 consecutive samples, or shall it exceed 140 g/m³ in more than 2 out of 12 consecutive 	

	<p>samples; and</p> <p>e. The concentration of Dissolved Reactive Phosphorus must not exceed 40 g/m³ for more than 8 out of 12 consecutive samples, or 50 g/m³ in more than 2 out of 12 consecutive samples</p> <p>Advice Note: <i>Compliance will be demonstrated based on the samples required by Condition 13 below. There is the potential that water use improvements may result in the same mass being discharged but possibly at a higher concentration. If this occurs then there may be a need for these standards to be revised.</i></p>	
12	<p>Monitoring of Treated Wastewater</p> <p>Prior to the commencement of the activities, the Permit Holder must install and maintain a sampling port in the pipeline to the land treatment system and the river discharge system.</p>	
13.	<p>From the commencement of the activities, the Permit Holder must take samples of treated wastewater from the sampling port (installed in accordance with Condition 12), once per month in any month that a discharge to the land treatment area or the Oroua River occurs, and while the discharge is occurring. The sample must be analysed for:</p> <ul style="list-style-type: none"> a. Soluble Carbonaceous five day Biochemical Oxygen Demand (ScBOD₅); b. Total Suspended Solids; c. Total Nitrogen; d. Nitrate Nitrogen (NO₃-N); e. Ammoniacal-Nitrogen (NH₄-N); f. Nitrite Nitrogen (NO₂-N); g. Total Phosphorus; h. Dissolved Reactive Phosphorus (DRP); i. Sodium (Na); j. Potassium (K); k. Magnesium (Mg); l. Calcium (Ca); m. <i>Escherischia coli</i>; and <p>Particulate Organic Matter</p>	
14.	<p>Prior to the commencement or continuation of the activities, the Permit Holder must install flow meters to measure and record the treated wastewater volume discharged to the land treatment area and the Oroua River. The flow meters must be calibrated to an accuracy of plus or minus 5 % or better and must be maintained at this level of accuracy for the term of Discharge Permits (to water, to land, to air, to groundwater</p>	
15.	<p>Within three months of the grant of this permit, and every 5 years thereafter for the duration of Discharge Permits (to water, to land, to air, and to groundwater), the Permit Holder must have the flow meters required by Condition 14 verified in accordance with the manufacturer's specifications to ensure compliance with Condition 14. The Permit Holder must provide to the Manawatu-Whanganui Regional Council's Environmental Protection Manager, an in-situ flow meter verification certificate confirming the validity of the meters within one month of the verification being completed.</p>	
16.	<p>Within three months of the grant of this permit, the Permit Holder must provide the Manawatu-Whanganui Regional Council's Regulatory Manager with near real-time treated wastewater discharge information recorded and collected from the flow meters referred to in Condition 14. This information must be recorded at 15 minute intervals and be provided automatically on a daily basis in a format compatible with the Manawatu-Whanganui Regional Council's database.</p>	
17	<p>Complaints and Incidents</p> <p>The Permit Holder must maintain and make available to the Manawatu-Whanganui Regional Council's Regulatory Manager on request, a record of complaints which lists all complaints received alleging adverse effects attributable to the activities. The record must include but not be limited to the following:</p> <ul style="list-style-type: none"> a. Name and address of the complainant (if given); b. The nature and duration of the effect; c. The date and time the effect was detected; d. The location where the effect was detected; e. The prevailing weather conditions e.g. wind speed and direction; f. The likely cause of the effect detected; and <p>Any measures taken to avoid and mitigate the alleged effect</p>	
18.	<p>The Permit Holder must notify the Manawatu-Whanganui Regional Council's Regulatory Manager of any complaints within 72 hours of the complaint being received.</p>	<p>The Consent Holder must notify the Manawatu-Whanganui Regional Council's Regulatory Manager of any complaints <u>as soon as practicable and no later than 24 hours of the complaint being received.</u></p> <p>18a. Upon receiving an odour complaint the Consent Holder shall carry out an investigation as soon as practicable and within 6 hours to determine the cause of the odour complaint. If the cause of the odour can be attributed to the Consent</p>

		Holder then the Consent Holder must carry out any necessary action to ensure compliance with Condition 4 of the air discharge permit. The Consent Holder shall provide a report to the Manawatu-Wanganui Regional Council Compliance Team leader, within 24 hours of completing an investigation into an odour complaint. This report shall include, but not be limited to those matters identified in condition xxx of the General conditions.
19.	The Permit Holder must immediately notify the Manawatu-Whanganui Regional Council's Regulatory Manager of, and keep a record of, any spillage of material into the wastewater collection system, the wastewater treatment plant, the land treatment system or the river discharge system that causes any damage to pasture in the land treatment area or creates any objectionable odour beyond the property boundary.	The Permit Holder must immediately notify the Manawatu-Whanganui Regional Council's Regulatory Manager of, and keep a record of, any spillage of material into the wastewater collection system, the wastewater treatment plant, the land treatment system or the river discharge system <u>is likely or will result in a non-compliance with any of the conditions of the activities authorised by resource consents xxx.</u>
20.	<p>Monitoring Report</p> <p>By 31 October of each year (commencing 31 October 2016) the Permit Holder must provide the Manawatu-Whanganui Regional Council's Regulatory Manager, an annual monitoring report for the 12 month period ending the previous 30 September. The annual monitoring report must include (but not be limited to):</p> <ol style="list-style-type: none"> A summary and interpretation of analyses and records collected in accordance with these Conditions and the Conditions of Discharge Permits (to water, to land, to air, and to groundwater); A comment on compliance with each of these Conditions and the Conditions of Discharge Permits (to water, to land, to air, and to groundwater); A summary of inspections made on the physical infrastructure in accordance with Condition 7; Results of soil sampling required by Condition 16 of Discharge Permit (to land) and an analysis to determine whether any material change in soil quality has occurred and actions taken to remedy any nutrient deficiency or excess; Results of groundwater monitoring required by Conditions 17 and 18 of Discharge Permit (to land) and Condition 12 of Discharge Permit (to groundwater), including an assessment of whether there has been a decline in groundwater quality due to the activities; Results of surface water monitoring required by Conditions 8 to 11 of Discharge Permit (to water) including an assessment against the One Plan Schedule E water quality targets, focusing on the soluble inorganic nitrogen concentrations; A copy of the complaints register required by Condition 17; The number, duration and volume of discharges to the Oroua River; and A copy of the wind speed shut-off level review required by Condition 6 of Discharge Permit (to air) 	<p>Annual Monitoring Report</p> <p>By 31 October of each year (commencing 31 October 2017) the Permit Holder must provide the Manawatu-Whanganui Regional Council's Regulatory Manager, an annual monitoring report for the 12 month period ending the previous 30 September. The annual monitoring report must include (but not be limited to):</p> <ol style="list-style-type: none"> A summary and interpretation of analyses and records collected in accordance with these Conditions and the Conditions of Discharge Permits (to water, to land, to air, and to groundwater); A comment on compliance with each of these Conditions and the Conditions of Discharge Permits (to water, to land, to air, and to groundwater); A summary of inspections made on the physical infrastructure in accordance with Condition 7; Results of soil sampling required by Condition 16 of Discharge Permit (to land) and an analysis to determine whether any material change in soil quality has occurred and actions taken to remedy any nutrient deficiency or excess; Results of groundwater monitoring required by Conditions 17 and 18 of Discharge Permit (to land) and Condition 12 of Discharge Permit (to groundwater), including an assessment of whether there has been a decline in groundwater quality due to the activities; Results of surface water monitoring required by Conditions 8 to 11 of Discharge Permit (to water) including an assessment against the One Plan Schedule E water quality targets, focusing on the soluble inorganic nitrogen concentrations; A copy of the complaints register required by Condition 17; The number, duration and volume of discharges to the Oroua River; A copy of the wind speed shut-off level review required by Condition 6 of Discharge Permit (to air); <u>A summary of inspections made on the treatment pond system and any system modifications made in accordance with Condition 8 (Discharge Permit to Land where may enter water);</u> <u>A copy of the land treatment irrigation and harvest records as required by Condition 19 and 20 of the Discharge Permit (to land); and</u> <u>A nutrient budget incorporating details of all applications to land as well as ongoing farm system inputs relevant.</u>
21.	<p>Neighbourhood Consultation</p> <p>The Permit Holder will consult with neighbours in regards to any changes in its consents or management of it consents that may impact the neighbours. AFFCO Manawatu will provide an opportunity to meet with neighbours to discuss matters relevant to the activities at least once per year.</p>	
22.	<p>Accidental Discovery Protocol</p> <p>In the event of an archaeological site, waahi tapu or koiwi being discovered or disturbed during the activities, the Permit Holder must immediately cease further work in the immediate area and inform Ngati Kauwhata, Tanenuiarangi Manawatu Incorporated, the Manawatu-Whanganui Regional Council's Regulatory Manager, Heritage New Zealand and (in the event that human remains are found) the New Zealand Police. Further work at the site must be suspended while Iwi carry out their procedures for the removal of Taonga. The Manawatu-Whanganui Regional Council's Regulatory Manager will advise the Permit Holder when work can resume.</p> <p>Advice Note: In accordance with Section 14(1) of the Coroners Act 2006, in the event that human remains are found the NZ Police should be contacted immediately and all works in the immediate vicinity will cease until advice is given that works can recommence.</p>	