Government of Western Australia
Department of Water and Environmental Regulation

Licence

Licence number	L8031/2005/4
Licence holder	Milne Agrigroup Pty Ltd
ACN	008 919 579
Registered business address	2 Alumina Road EAST ROCKINGHAM WA 6168
DWER file number	DER2014/002999
Duration	22/12/2005 to 21/12/2029
Date of amendment	06/08/2024
Premises details	Mount Barker Chicken Lake Matilda Road KENDENUP WA 6323 Legal description – Lots 310 – 313 on Plan 4691

Prescribed premises category description (Schedule 1, Environmental Protection Regulations 1987)	Assessed production / design capacity
Category 15 : Abattoir: premises on which animals are slaughtered	Not more than 17,500 tonnes (live weight) per annual period

This amendment is granted to the licence holder, subject to the attached conditions, on 6 August 2024, by:

Daniel Hartnup

Digitally signed by Daniel Hartnup
Date: 2024.08.06 11:39:12 +08'00'

SNR ENVIRONMENTAL OFFICER, PROCESS INDUSTRIES
STATE-WIDE DELIVERY
an officer delegated under section 20 of the *Environmental Protection Act 1986* (WA)

Contents

Introduction

This Introduction is not part of the Licence conditions.

DWER's industry licensing role

The Department of Water and Environment Regulation (DWER) is a government department for the state of Western Australia in the portfolio of the Minister for Environment. DWER's purpose is to advise on and implement strategies for a healthy environment for the benefit of all current and future Western Australians.

DWER has responsibilities under Part V of the *Environmental Protection Act 1986* (the Act) for the licensing of prescribed premises. Through this process DWER works with the business owners, community, consultants, industry and other representatives to prevent, control and abate pollution and environmental harm to conserve and protect the environment. DWER also monitors and audits compliance with works approvals and licence conditions, takes enforcement action as appropriate and develops and implements licensing and industry regulation policy.

Licence requirements

This Licence is issued under Part V of the Act. Conditions contained within the Licence relate to the prevention, reduction or control of emissions and discharges to the environment and to the monitoring and reporting of them.

Where other statutory instruments impose obligations on the Premises/Licensee the intention is not to replicate them in the licence conditions. You should therefore ensure that you are aware of all your statutory obligations under the Act and any other statutory instrument. Legislation can be accessed through the State Law Publisher website using the following link: http://www.sip.wa.gov.au/legislation/statutes.nsf/default.html

For your Premises relevant statutory instruments include but are not limited to obligations under the:

- Environmental Protection (Unauthorised Discharges) Regulations 2004 - these Regulations make it an offence to discharge certain materials such as contaminated stormwater into the environment other than in the circumstances set out in the Regulations.
- Environmental Protection (Controlled Waste) Regulations 2004 - these Regulations place obligations on you if you produce, accept, transport or dispose of controlled waste.
- Environmental Protection (Noise) Regulations 1997 - these Regulations require noise emissions from the Premises to comply with the assigned noise levels set out in the Regulations.

You must comply with your licence. Non-compliance with your licence is an offence and strict penalties exist for those who do not comply.

Licence holders are also reminded of the requirements of section 53 of the Act which places restrictions on making certain changes to prescribed premises unless the changes are in accordance with a works approval, licence, closure notice or environmental protection notice.

Licence fees

If you have a licence that is issued for more than one year, you are required to pay an annual licence fee prior to the anniversary date of issue of your licence. Non-payment of annual licence fees will result in your licence ceasing to have effect meaning that it will no longer be valid and you will need to apply for a new licence for your Premises.

Ministerial conditions

If your Premises has been assessed under Part IV of the Act you may have had conditions imposed by the Minister for Environment. You are required to comply with any conditions imposed by the Minister.

Premises description and Licence summary

Milne AgriGroup Pty Ltd, trading as Mount Barker Chicken (MBC), operates a poultry abattoir and processing facility on a 27.5 hectare site close to the small rural settlement of Kendenup, located 20km NNW of Mt Barker, Western Australia. MBC are licensed for a production capacity of up to 15,900 tonnes (live weight) per year, equivalent to approximately 100,000 birds per week. Current production is at approximately 84,000 birds/week, producing an average of 780kl/week (40.6ML per year) of wastewater. No birds are raised or housed on the premises. Wastewater is treated onsite through a series of treatment ponds (anaerobic and aerobic) and is then irrigated to land over an area totaling 14 hectares.

The operation of a poultry abattoir at the site commenced in the late 1980's as a family owned small (less than 1,000 tonnes per year) rural abattoir. Since this time, ownership has changed several times with the Premises becoming Registered (R01259) under the Environmental Protection Regulations 1987 Schedule 2: Abattoir to Timepath Holdings Pty Ltd in November 2000. The abattoir was not constructed through a works approval as its initial establishment predated the legislative requirement.

By July 2005 the abattoir had expanded operations to throughput in excess of the Registration approved throughput of 1,000 tonnes per year without a works approval or Licence to authorise the emissions and discharges of waste that were occuring. As a result of complaints being received the Department of Environment (DoE) at the time issued an Environmental Protection Notice (EPN) requiring urgent and significant upgrades to the wastewater treatment system to be undertaken and that a Licence be applied for to authorise the discharge to land of treated effluent through irrigation and the preparation of a Nutrient Irrigation Management Plan.

The closest residential receptor is 150m west, with several residences adjacent to the west, NW and SW of the premises, which is otherwise surrounded by small to medium sized rural landholdings. There are no nearby surface water bodies, the closest being a seasonal stream approximately 750m east.

The main emissions are odour, noise and the discharge of treated wastewater to land (irrigation). Odour abatement measures include the use of pontoons and straw covers over the anaerobic treatment ponds. The application of treated wastewaters to land is operated and managed in accordance with a Nutrient Irrigation Management Plan (NIMP) (May 2006, prepared by ATA Environmental and as updated 30 June 2011 by Aurora Environmental). The NIMP includes assessment of the irrigation rate based on total treated wastewater volume, the proposed irrigation schedule and predicted nutrient and biological oxygen demand application rates. In addition the NIMP describes irrigation design and methodology and includes an Environmental Monitoring Program.

The licences and works approvals issued for the Premises since 16/11/2000 are:

Instrument log		
Instrument	**Issued**	**Description**
R01259	16/11/2000	Registration issued
L8031/2005/1	22/12/2005	Category 15 licence issued
L8031/2005/2	21/12/2006	Licence re-issue including wastewater and production limits
L8031/2005/3	18/12/2008	Licence re-issue

W4710/2010/1	25/05/2010	Works approval to upgrade wastewater treatment
L8031/2005/3	04/11/2011	CEO initiated amendment following works, including licence extension
L8031/2005/4	18/12/2014	Licence re-issue including conversion to REFIRE format
L8031/2005/1	29/04/2016	Amendment by notice to extend the duration of the Licence to 21 December 2024
L8031/2005/4	18/01/2019	Amendment Notice 1 to increase throughput from 15,900 to 17,500 tonnes (live weight) of chickens per annum.
L8031/2005/4	21/01/2020	Applicant initiated amendment to install and operate a wastewater separation plant. Includes a CEO initiated a consolidation of AN1 into the amended licence.
L8031/2005/4	28/09/2020	Applicant initiated amendment to install and operate chicken feet processing equipment. The amendment also includes administrative formatting changes.
L8031/2005/4	06/08/2024	CEO-initiated amendment to extend the duration by 5 years.

Severance

It is the intent of these Licence conditions that they shall operate so that, if a condition or a part of a condition is beyond the power of this Licence to impose, or is otherwise ultra vires or invalid, that condition or part of a condition shall be severed and the remainder of these conditions shall nevertheless be valid to the extent that they are within the power of this Licence to impose and are not otherwise ultra vires or invalid.

END OF INTRODUCTION

Licence conditions

1. General

1.1 Interpretation

1.1.1 In the Licence, definitions from the Environmental Protection Act 1986 apply unless the contrary intention appears.

1.1.2 For the purposes of this Licence, unless the contrary intention appears:

'Annual Audit Compliance Report (AACR)' means a report submitted in a format approved by the CEO (relevant guidelines and templates may be available on the Department's website);

'Act' means the Environmental Protection Act 1986;

'ACN' means Australian Company Number

'AHD' means the Australian height datum;

'animals' means live chickens, turkey or quail;

'animal waste material' includes mortalities, blood, bone, fat, feathers, offal and animal residues generated from the animal slaughter and which is not directed to the wastewater treatment system;

'annual period' means the inclusive period from 1 July until 30 June in the following year;

'AS 4482.1' means the Australian Standard AS 4482.1 - 2005 Guide to the investigation and sampling of sites with potentially contaminated soil - Non-volatile and semi-volatile compounds;

'AS 4482.2' means the Australian Standard AS 4482.2 -1999 Guide to the sampling and investigation of potentially contaminated soil -- Volatile substances;

'ASINZS 5667.1' means the Australian Standard AS/NZS 5667.1 Water Quality- Sampling - Guidance of the Design of sampling programs, sampling techniques and the preservation and handling of samples;

'AS/NZS 5667.10' means the Australian Standard AS/NZS 5667.1O Water Quality- Sampling- Guidance on sampling of waste waters;

'AS/NZS 5667.11' means the Australian Standard AS/NZS 5667.11 Water Quality- Sampling- Guidance on sampling of groundwaters;

'AS/NZS 1547' means the Australian Standard AS/NZS 1547 On-site domestic wastewater management;

'ASPAC' means Australasian Soil and Plant Analysis Council;

'ASPAC certification' means in relation to the analysis of a sample that the laboratory is ASPAC certified for the specified analysis at the time of the analysis;

'averaging period' means the time over which a limit or target is measured or a monitoring result is obtained;

'BOD' means biochemical oxygen demand

'CEO' means Chief Executive Officer of the Department of Water and Environment Regulation;

'CEO' for the purpose of correspondence means;

Director General
Department administering the *Environmental Protection Act 1986*
Locked Bag 10
Joondalup DC WA 6919
info@dwer.wa.gov.au

'code of practice for the storage and handling of dangerous goods' means the document titled "Storage and handling of dangerous goods: Code of Practice" published by the Department of Mines and Petroleum, as amended from time to time;

'dangerous goods' has the meaning defined in the Dangerous Goods Safety (Storage and Handling of Non-explosives) Regulations 2007;

'dS/m' means decisiemens per metre;

'environmentally hazardous material' means material (either solid or liquid raw materials, materials in the process of manufacture, manufactured products, products used in the manufacturing process, by-products and waste) which if discharged into the environment from or within the premises may cause pollution or environmental harm. Note: Environmentally hazardous materials include dangerous goods where they are stored in quantities below placard quantities. The storage of dangerous goods above placard quantities is regulated by the Department of Mines and Petroleum;

'freeboard' means the distance between the maximum water surface elevations and the top of retaining banks or structures at their lowest point;

'fugitive emissions' means all emissions not arising from point sources identified in sections 2.2, 2.3, 2.4 and 2.5;

'hardstand' means a surface with a permeability of 10-9 metres/second or less;

'HDPE' means high density polyethylene;

'IR' means Improvement Reference (Part of Condition 4.1.2, Improvement Program)

'Licence' means this Licence numbered L8031/2005/4 and issued under the Act; 'Licensee' means the person or organisation named as Licensee on page 1 of the Licence;

'mS/cm' means millisiemens per centimetre;

'NATA' means the National Association of Testing Authorities, Australia;

'NATA accredited' means in relation to the analysis of a sample that the laboratory is NATA accredited for the specified analysis at the time of the analysis;

'nutrient irrigation management plan (NIMP)' means the document titled Mount Barker Chicken Nutrient and Irrigation Management Plan, Version 1, 4 May 2006. Report No:2006/108. ATA Environmental and the update provided by Aurora Environmental, dated 30 June 2011.

'nutrient loading rate' means the quantity of a particular parameter applied over each Irrigation Area for a specified period of time, expressed as kilograms per hectare per year;

'Premises' means the area defined in the Premises Map in Schedule 1 and listed as the Premises address on page 1 of the Licence;

'Schedule 1' means Schedule 1 of this Licence unless otherwise stated;

'spot sample' means a discrete sample representative at the time and place at which the sample is taken;

'usual working day' means 0800 - 1700 hours, Monday to Friday excluding public holidays in Western Australia; and

'wastewater treatment system' means the pond-based system for treating and storing wastewater including interconnecting pipes to and between Pond 1, Pond 2, Pond 3, Pond 4, Pond 5 and Pond 6 including aerators and clarifiers, as depicted in the Map of Storage Locations in Schedule 1;

1.1.3 Any reference to an Australian or other standard in the Licence means the relevant parts of the standard in force from time to time during the term of this Licence.

1.1.4 Any reference to a guideline or code of practice in the Licence means the version of that guideline or code of practice in force from time to time, and shall include any amendments or replacements to that guideline or code of practice made during the term of this Licence.

1.2 General conditions

1.2.1 Nothing in the Licence shall be taken to authorise any emission that is not mentioned in the Licence, where the emission amounts to:

a) pollution;
b) unreasonable emission;
c) discharge of waste in circumstances likely to cause pollution; or
d) being contrary to any written law.

1.2.2 The Licensee shall operate and maintain all pollution control and monitoring equipment to the manufacturer's specification or any relevant and effective internal management system.

1.2.3 The Licensee, except where storage is prescribed in section 1.3, shall only store environmentally hazardous materials if:

a) they are stored in accordance with the Code of Practice for the Storage and handling of dangerous goods; or
b) they are stored within compounds or vessels that:
   i. were constructed prior to 18/12/2014, and
   ii. have not previously met the requirements of conditions 1.2.3(a)

1.2.4 The Licensee shall immediately recover, or remove and dispose of spills of environmentally hazardous materials outside an engineered containment system.

1.2.5 The Licensee shall:

a) implement all practical measures to prevent stormwater run-off becoming contaminated by the activities on the Premises; and
b) treat contaminated or potentially contaminated stormwater as necessary prior to being discharged from the Premises[1].

Note1: The Environmental Protection (Unauthorised Discharges) Regulations 2004 make it an offence to discharge certain materials into the environment

1.3 Premises operation

1.3.1 The Licensee shall ensure that wastes generated by the activities on the premises are only subjected to the processes set out in Table 1.3.1 and in accordance with any process limits described in that table.

Table 1.3.1: Authorised processes

Animals/Waste	Processes	Process limits
Animals	Receipt and slaughter	No more than 17,500 tonnes (animal live weight) of poultry may be received for slaughter per annual period.

Animal waste material	Storage and handling prior to disposal	Animal waste material shall not be stored for longer than 24 hours prior to offsite disposal.
Wastewater	Physical and biological treatment	All wastewaters including wash down water, by-products wastewater and contaminated run-off shall be directed to the wastewater treatment system.
Treated wastewater	Irrigation and evaporation	No more than 51.2ML of treated wastewater shall be transferred from the final storage dam (Pond 6) and irrigated to the designated irrigation areas per annual period.
Sludge and solid waste	Storage and handling prior to off-site disposal	All sludge and solid waste removed from the wastewater treatment system shall be stored on a temporary bunded and impervious containment infrastructure that is drained such that all leachate is directed to the wastewater treatment system.

1.3.2 The Licensee shall ensure that waste material is only stored and/or treated within vessels or compounds provided with the infrastructure detailed in Table 1.3.2.

Table 1.3.2: Containment infrastructure

Vessel or compound and location on Map of storage locations	**Material**	**Requirements**
Animal waste material bin	Animal waste material	Stored in a sealed, covered bin located on the hardstand adjacent to live animal receiving compound
Wastewater collection sump	Wastewater	2 x 5.2kL below ground concrete sumps
Mechanical Separation Plant		Screen Extractor Model SF 5 with a 3mm screen aperture. Maintain an inlet capacity of 16.3L/s Located within a sealed concrete retaining pad with walls. Maintained in good work condition
Ponds 1 (Anaerobic treatment)		HDPE lined to achieve a permeability of less than $1x10^{-9}$ m/s
Pond 2 (Anaerobic treatment)		1 x 50kL concrete tank (Tank 2)
Ponds 3, 4 & 5 (Aerobic / facultative treatment)		HDPE lined to achieve a permeability of less than $1x10^{-9}$ m/s
Evaporation / storage dam (Pond 6)	Treated wastewater	

1.3.3 The Licensee shall manage the wastewater mechanical separation plant and ponds such that:

a) overtopping of the mechanical separation plant or ponds does not occur;
b) the integrity of the containment infrastructure is maintained;
c) trapped overflows are maintained on the outlet of ponds to prevent carry-over of surface floating matter;
d) a minimum of the embankment freeboard of 300mm is maintained on Pond 6;
e) vegetation is prevented from growing on inner pond embankments;
f) a crust / cover is maintained on anaerobic Ponds 1 and 2 at all times, and
g) all solid materials spilled outside the mechanical separation plant are to be removed within 24 hours of spillage.

1.3.4 The Licensee shall:

a) advise the CEO in writing no less than 72 hours prior to taking a treatment pond or settling tank offline for maintenance works; and
b) advise the CEO in writing no less than 14 days prior to the removal of sludge from a treatment pond.

1.3.5 The Licensee shall manage the irrigation of treated wastewater such that:

a) no irrigation generated run-off, spray drift or discharge occurs beyond the boundary of the Premises;
b) treated wastewater is evenly distributed over the irrigation area;
c) no soil erosion occurs;
d) irrigation does not occur on land that is waterlogged and no ponding of irrigation water on the surface occurs; and
e) vegetation cover is maintained over the irrigation area.

1.4 Infrastructure and equipment

1.4.1 The licence holder must:

a) construct and/or install the infrastructure and/or equipment;
b) in accordance with the corresponding design and construction / installation requirements; and
c) at the corresponding infrastructure location,

as set out in Table 1.4.1.

Table 1.4.1: Design and construction / installation requirements

	Infrastructure	Design and construction / installation requirements	Infrastructure location
1.	Foot scalder	Wastewater directed to the wastewater treatment system	Within Insulated Processing Shed as shown in Schedule 1: Figure 3
2.	Foot skin remover		
3.	Spiral chiller		

1.4.2 The licence holder must within 30 calendar days of an item of infrastructure or equipment required by condition 1.4.1 being constructed and/or installed:

a) undertake an audit of their compliance with the requirements of condition 1.4.1; and
b) prepare and submit to the CEO an Environmental Compliance Report on that compliance.

1.4.3 The Environmental Compliance Report required by condition 1.4.2, must include as a minimum the following:

a) certification by a person authorised to represent the licence holder confirming that the items of infrastructure or component(s) thereof, as specified in condition 1.4.1, have been constructed in accordance with the relevant requirements specified in condition(s) 1.4.1;
b) as constructed plans and a detailed site plan for each item of infrastructure or component of infrastructure specified in condition(s) 1.4.1; and
c) be signed by a person authorised to represent the licence holder and contains the printed name and position of that person.

2. Emissions

2.1 Emissions to land

2.1.1 The Licensee shall ensure that where waste is emitted to land from the emission points in Table 2.1.1 and identified on the Premises map and map of emission points and monitoring locations in Schedule 1, it is done so in accordance with the conditions of this Licence.

Table 2.1.1: Emissions to land		
Emission point reference and location on Map of emission points and monitoring locations	**Description**	**Source including abatement**
L1 & L2	Pipe from Pond 6 to pumping station, passing through flow meter FM1, to travelling irrigators located in irrigation areas L1 and L2	Wastewater and contaminated runoff from operations treated through the wastewater treatment system

2.1.2 The Licensee shall not cause or allow emissions to land greater than the limits listed in Table 2.1.2.

Table 2.1.2: Emission limits to land				
Emission point reference and location on Map of emission points and monitoring locations	**Monitoring point reference and location on Map of storage locations**	**Parameter**	**Limit (including units)**	**Averaging period**
Irrigation areas L1 & L2	FM1 (Flow Meter 1)	Volume of wastewater applied to irrigation areas	51.2ML	Annual
	SW3 (located in Irrigation Pump Station)	pH	Not less than 6.0 or greater than 8.5	Spot sample
		BOD	30kg/ha	Daily
		Total Nitrogen	480kg/ha	Annual
		Total Phosphorus	120kg/ha	

Note 1: Daily loading calculated using monthly BOD sample and volume (kl) applied per irrigation area (ha) per day.

2.1.3 The Licensee shall ensure that the soil in each irrigation area does not exceed the limit specified in Table 2.1.3, as per the soil profile sampling and monitoring specified in Table 3.4.1.

Table 2.1.3: Soil profile quality limits				
Sampling point reference and location on Map of emission and sampling points	**Soil sampling depth**	**Parameter**	**Limit (including units)**	**Averaging period**
S1, S2, S5 & S6	0-30cm	Exchangeable Sodium Percentage (ESP)	25%	Spot sample
	30-60cm			

2.2 Odour

2.2.1 The Licensee shall ensure that odour emitted from the Premises does not unreasonably interfere with the health, welfare, convenience, comfort or amenity of any person who is not on the Premises.

3. Monitoring

3.1 General monitoring

3.1.1 The licensee shall ensure that:

a) all water samples are collected and preserved in accordance with AS/NZS 5667.1;
b) all wastewater sampling is conducted in accordance with AS/NZS 5667.1O;

c) all groundwater sampling is conducted in accordance with AS/NZS 5667.11;
d) all soil sampling is conducted in accordance with AS 4482.1 and AS 4482.2 as relevant;
e) all water samples are submitted to and tested by a laboratory with current NATA accreditation for the parameters being measured unless indicated otherwise in the relevant table; and
f) all soil samples are submitted to and tested by a laboratory with current ASPAC certification or NATA accreditation for the parameters being measured unless indicated otherwise in the relevant table.

3.1.2 The Licensee shall ensure that all monitoring equipment used on the Premises to comply with the conditions of this Licence is calibrated in accordance with the manufacturer's specifications.

3.1.3 The Licensee shall, where the requirements for calibration cannot be practicably met, or a discrepancy exists in the interpretation of the requirements, bring these issues to the attention of the CEO accompanied with a report comprising details of any modifications to the methods.

3.2 Monitoring of emissions to land

3.2.1 The Licensee shall undertake the monitoring in Table 3.2.1 according to the specifications in that table.

Table 3.2.1: Monitoring of emissions to land

Emission point reference and location on Map of emission points	Monitoring point reference and location on Map of monitoring locations	Parameter	Units	Frequency
L 1 & L2	FM1 (Flow Meter 1)	Volumetric flow rate	kl/day	Each day that wastewater is discharged to the irrigation area
	SW3 (located in Irrigation Pump Station)	pH		Monthly
		Electrical Conductivity	mS/cm	
		Total Dissolved Solids	mg/L	
		Total Nitrogen		
		Total Phosphorus		
		Biochemical Oxygen Demand		
		Exchangeable Cations (Sodium, Calcium, Magnesium, Potassium)		

Note 1: To be measured and recorded in the field at the time of sampling.

3.3 Monitoring of inputs and outputs

3.3.1 The Licensee shall undertake the monitoring in Table 3.3.1 according to the specifications in that table.

Table 3.3.1: Monitoring of inputs and outputs

Input/Output	Parameter	Units	Averaging period	Frequency
Input	Live weight of animals slaughtered at the Premises	Tonnes	Monthly	Cumulative daily receipt of animals arriving at the Premises for the purpose of slaughter
Output	Animal waste material			Each load leaving the premises
	Liquid controlled wastes	kL		

3.4 Ambient environmental quality monitoring

3.4.1 The Licensee shall undertake the monitoring in Tables 3.4.1 and 3.4.2 according to the specifications in those tables.

Table 3.4.1: Monitoring of ambient soil quality

Monitoring point reference and location	Soil sampling depth	Parameter	Units	Averaging period	Frequency
S1, S2, S5 & S6	0-30cm	Phosphorus	mg/kg	Spot sample	Annually in September
		Phosphorus Retention Index (PRI)	-		
	0-30cm 30-60cm	pH	-		
		Electrical Conductivity	dS/m		
		Exchangeable Cations (Sodium, Calcium, Magnesium, Potassium)	mq/100g		
		Exchangeable Sodium Percentage (ESP)[1]	%		
		Hydraulic conductivity (Ksat)[2]	m/sec		

Note 1: As per methodology in 'Australian Laboratory Handbook of Soil and Water Chemical Methods' by G.E. Rayment and F.R. Higginson, Inkata Press, 1992

Note 2: Using the constant head permeameter test as per AS/NZS 1547.

Table 3.4.2: Monitoring of ambient groundwater quality

Monitoring point reference and location	Parameter	Units	Averaging period	Frequency
MW2, MW3, MW4, MW5, MW6, MW7, MW9, MW10, MW11, MW12, MW13, MW14 MW15, MW16, MW17	Standing Water Level	m (AHD)	Spot sample	Quarterly in March, June, September and December each year
	pH[1]			
	Electrical Conductivity[1]	mS/cm		
	Total Nitrogen	Mg/L		
	Ammonium-Nitrogen			
	Nitrate-Nitrogen			
	Total Phosphorus			
	Total Dissolved Solids			

Note 1: To be measured and recorded in the field at the time of sampling.

4. Improvements

4.1 Improvement program

4.1.1 The Licensee shall complete the improvements in Table 4.1.1 by the date of completion in Table 4.1.1.

4.1.2 The Licensee, for improvements not specifically requiring a written submission, shall write to the CEO stating whether and how the Licensee is compliant with the improvement within one week of the completion date specified in Table 4.1.1.

Table 4.1.1: Improvement program

Improvement reference	Improvement	Date of completion
IR5	The Licence Holder shall undertake an inspection and repair works to the hardcourt areas upon which live animals, animal bi-products are held, stored, sorted or processed to ensure that any areas of damage, cracks, or ruptures to the impermeability are repaired.	31/3/2019
IR6	The Licence Holder shall ensure that all hardcourt areas upon which live animals or animal bi-products are held, stored, sorted or processed are fully bunded so that all incidental stormwater and washdown water is contained within the hardcourt area. The hard court areas shall drain towards a wastewater treatment sump.	31/3/2019

IR7	The Licence Holder Shall submit a Wastewater Delivery Line Management Plan which includes: 1. A map of all wastewater storage and conveyance infrastructure including wastewater delivery lines, flow meters, sumps, channels, diversion drains, ponds and tanks; 2. A twice daily inspection schedule for all wastewater containing and delivery infrastructure, and 3. Include a plan with timeframes for constructing or installing equipment[1] to prevent discharge to the environment around all wastewater delivery lines at the premises that occur outside of bunded, impermeable or secondary contained infrastructure[2].	31/3/2019
IR8	The Licence Holder shall construct low permeability secondary containment infrastructure around all tanks and sumps outside of the hardcourt area. The secondary containment infrastructure shall have a capacity to contain at least 110% of the volume of the largest containment vessel plus 25% of the volume of all of the containers contained within it to allow for adequate storm water capture.	31/3/2019
IR11	The Licence Holder shall install piezometers and schedule irrigation of wastewater based on soil moisture requirements.	31/3/2019
IR13	The Licence Holder shall submit an updated water balance that includes all contaminated wastewater and stormwater runoff collected from processing areas when bunding and secondary containment measures are constructed and installed at the premises.	31/3/2019
IR14	The Licence Holder shall provide an updated management plan for the irrigation of nutrient and salt rich wastewater using the *Environmental Guidelines: Use of Effluent by Irrigation* NSW DEC, 2004 as a guiding document. The new irrigation management plan shall be submitted to the CEO.	31/3/2019

Note 1: This may include bunds, drip trays, alarms or automatic shut off valves
Note 2: Wastewater delivery lines upstream of the final effluent holding pond are exempt from this requirement.

5. Information

5.1 Records

5.1.1 All information and records required by the Licence shall:

a) be legible;
b) if amended, be amended in such a way that the original and subsequent amendments remain legible or are capable of retrieval;
c) except for records listed in 5.1.1(d) be retained for at least 6 years from the date the records were made or until the expiry of the Licence or any subsequent Licence; and
d) for those following records, be retained until the expiry of the Licence and any subsequent Licence:
e) off-site environmental effects; or
f) matters which affect the condition of the land or waters.

5.1.2 The Licensee shall ensure that:

a) any person left in charge of the Premises is aware of the conditions of the Licence and has access at all times to the Licence or copies thereof; and
b) any person who performs tasks on the Premises is informed of all of the conditions of the Licence that relate to the tasks which that person is performing.

5.1.3 The licence holder must:

a) undertake an audit of their compliance with the conditions of this licence during the preceding annual period, and
b) prepare and submit to the CEO by no later than 60 days after the end of that annual period an Annual Audit Compliance Report in the approved form.

5.1.4 The Licensee shall implement a complaints management system that as a minimum records the number and details of complaints received concerning the environmental impact of the activities undertaken at the Premises and any action taken in response to the complaint.

5.2 Reporting

5.2.1 The Licensee shall submit to the CEO an Annual Environmental Report within 60 calendar days after the end of the annual period. The report shall contain the information listed in Table 5.2.1 in the format or form specified in that table.

Table 5.2.1: Annual environmental report

Condition of table	Parameter	Format or form[1]
-	Summary of any failure or malfunction of any pollution control equipment and any environmental incidents that have occurred during the annual period and any action taken	None specified
Tables 2.1.2 - 2.1.3	Limit exceedances for the annual period	None specified
Table 3.2.1	Volumetric flow rate, pH, electrical conductivity, total nitrogen, total phosphorus, biochemical oxygen demand, exchangeable cations	None specified
Table 3.3.1	Number of animals slaughtered and live weight tonnage inputs for the annual period. Monthly & annual volumes of treated wastewater irrigated to land. Tonnages of animal waste material and solid wastes leaving the Premises for the annual period	None specified
Table 3.4.2	pH, total nitrogen, total phosphorus, biochemical oxygen demand, total dissolved solids, total suspended solids	Tables
	pH, total nitrogen, total phosphorus, biochemical oxygen demand	Graphical format, including at least the past 3 years of monitoring data
Table 3.4.1	pH, electrical conductivity, phosphorus, phosphorus retention index, exchangeable cations, exchangeable sodium percentage, hydraulic conductivity (kSat)	None specified
Table 3.4.2	Standing water level, pH, electrical conductivity, total nitrogen, ammonium - nitrogen, nitrate - nitrogen, total phosphorus, total dissolved solids	Tables
	Standing water level, pH, total nitrogen, ammonium - nitrogen, nitrate - nitrogen, total phosphorus	Graphical format, including at least the last 3 years of monitoring data
5.1.4	Complaints summary to include the date, time and nature of the complaint, cross referenced to prevailing wind direction and speed	None specified
-	Report against compliance with the current Nutrient Irrigation Management Plan	None specified

5.2.2 The Licensee shall submit the information in Table 5.2.2 to the CEO according to the specifications in that table.

Table 5.2.2: Non-annual reporting requirements

Condition or table (if relevant)	Parameter	Reporting period	Reporting date (after end of the reporting period)	Format or form
-	Copies of original monitoring reports submitted to the Licensee by third parties	Not Applicable	Within 14 days of CEOs request	As received by the Licensee from third parties

5.3 Notification

5.3.1 The Licensee shall ensure that the parameters listed in Table 5.3.1 are notified to the CEO in accordance with the notification requirements of the table.

Table 5.3.1: Notification requirements			
Condition or table (if relevant)	**Parameter**	**Notification requirement[1]**	**Format or form[2]**
1.3.5	Any treatment pond taken offline	72 hours prior to taking the treatment pond offline for maintenance	None specified
	Any treatment pond to have sludge removed	14 days prior to removal of sludge from a treatment pond	
3.1.3	Calibration report	As soon as practicable.	None specified

Note 1: Notification requirements in the Licence shall not negate the requirement to comply with s72 of the Act

Schedule 1: Maps

Figure 1 Premises map and map of emission points and monitoring locations

The Premises is shown in the map below. The red line depicts the Premises boundary.

The locations of the emission points defined in Table 2.1.1 and monitoring points defined in Tables 3.2.1, 3.4.1 and 3.4.2 are shown below.

Figure 2 Wastewater delivery plan

The wastewater delivery is shown in the map below. The blue line depicts the wastewater movement.

The locations of the solid separation screen (red circle), drainage pipework (blue lines) and treatment ponds defined in Table 1.3.2 are shown below.

Figure 3 Insulated Processing Area Plan

The insulated processing area is shown in the map below. The red line depicts the chicken feet processing equipment.