



Licence Number	L5177/1989/13
Licensee	Dardanup Butchering Company Nominees Pty Ltd
ACN	009 070 624
Registered business address	100 Wimbridge Road PICTON WA 6229
Date of amendment	3 November 2016
Prescribed Premises	Category 15 – Abattoir Category 55 – Livestock saleyard or holding pen
Premises	DBC Abattoir 100 Wimbridge Road PICTON WA 6229 Being Lot 100 on Plan 61127

Amendment

The Chief Executive Officer (CEO) of the Department of Environment Regulation (DER) has amended the above licence in accordance with section 59 of the *Environmental Protection Act 1986* as set out in this Amendment Notice.

Date signed: 3 November 2016

Jonathan Bailes

Manager Licensing (Process Industries)

an officer delegated under section 20 of the Environmental Protection Act 1986 (WA)

Amendment Notice

This notice is issued under section 59 of the *Environmental Protection Act 1986* (EP Act) to amend the licence issued under the EP Act for a prescribed premises as set out below. This notice of amendment is given under section 59B(9) of the EP Act.

Amendment Description

Licence L5177/1989/13 was renewed on 24 September 2015. The premises irrigate treated wastewater from the abattoir to land, which is managed by Nutrient Irrigation Management Plan (NIMP) produced in 2007. At the time of the licence reissue, the Delegated Officer had insufficient information to complete the risk assessment of emissions to land, specifically regarding the locations and sizes of the areas of land irrigated, and the quality and quantity of water irrigated to each area. Data provided by the Licensee also showed that the 2014 loading rate for total phosphorus exceeded the limit specified in the licence. Based on this, condition 4.1.1 (improvement requirement IR1) was added to the licence, which required the Licensee to submit an updated NIMP to DER. The Licensee subsequently appealed the improvement requirement.

On 3 May 2016, the Delegated Officer and a Licensing Officer visited the premises to discuss the management of the irrigation system. Further information was subsequently provided by the Licensee on 6 July 2016. Through the information gained at the site visit and supplied by the Licensee, the Delegated Officer has initiated an amendment to the Licence to clarify the land areas used for irrigation and to include additional monitoring and reporting requirements. Through this amendment, condition 4.1.1 (improvement requirement IR1) has been deleted.

Decision

The Licensee has provided additional information regarding:

1. Confirmation of the locations and sizes of the individual parcels of land that are used for irrigated;
2. Confirmation that the quantity of treated wastewater applied to each parcel can be accurately measured; and
3. Confirmation that the application of treated wastewater to each parcel of land can be controlled.

The quality of wastewater irrigated to land is monitored through current licence conditions.

Using the above information, the Delegated Officer has updated the following conditions. The maps in schedule 1 of the licence have also been updated.

1. Condition 2.2.1 – Emissions to land
2. Condition 2.2.2 – Emission limits to land
3. Condition 3.2.1 – Monitoring of emissions to land
4. Condition 5.2.1 – Annual Environment Report

The amended conditions clarify which areas are used for the irrigation of treated wastewater and make it clear that the nutrient loading limits currently in the licence apply to all those areas. The amended monitoring condition requires the Licensee to record the quality and quantity of treated wastewater applied to each area to demonstrate that the nutrient loading limits have been met. Reporting conditions have been updated to require the Licensee to provide the additional data to DER in the premises' Annual Environment Report (AER).

The Delegated Officer is satisfied that the information that was requested through an updated NIMP in condition 4.1.1 has been provided and that this condition can be deleted.

Amendment History

Instrument	Issued	Amendment
L5177/1989/13	24/09/2015	Licence renewal
L5177/1989/13	03/11/2016	Amendment Notice 1 Licence amendment to update irrigation areas and irrigation monitoring and reporting requirement, and to delete the improvement requirement to submit an updated Nutrient and Irrigation Management Plan

Amendment

- Table 2.2.1 of the licence is amended by the deletion of the text shown in strikethrough below and the insertion of the red text shown in underline below:

Table 2.2.1: Emissions to Land		
<i>Emission point reference and location on Map of emission points in Schedule 1</i>	<i>Description and reference on Map of emission points and monitoring locations</i>	<i>Source including abatement</i>
L1 Paddock #1, #2, #3, #4, #5, #6, #7, #8, #9, #10, #11	Irrigation Areas	Treated water from wastewater treatment system

- Table 2.2.2 of the licence is amended by the deletion of the text shown in strikethrough below and the insertion of the red text shown in underline below:

Table 2.2.2: Emission limits to land			
<i>Emission point reference</i>	<i>Parameter</i>	<i>Limit (including units)</i>	<i>Averaging period</i>
L1 Paddock #1, #2, #3, #4, #5, #6, #7, #8, #9, #10, #11	Total nitrogen	250 kg/ha	Annual
	Total phosphorus	20 kg/ha	Annual
	Biochemical oxygen demand	30 kg/ha	Daily

3. Table 3.2.1 of the licence is amended by the deletion of the text shown in strikethrough below and the insertion of the red text shown in underline below:

Table 3.2.1: Monitoring of emissions to land					
Emission point reference	Monitoring point reference and location on Map of emission points and monitoring locations	Parameter	Units	Averaging period	Frequency
<u>Paddock #1, #2, #3, #4, #5, #6, #7, #8, #9, #10, #11</u>	-	Volumetric flow rate	m ³	Monthly	Continuous
L1	Pond 2 (Phosphorus Removal and Holding Pond)	pH	pH units	Spot sample	Quarterly
		Total Dissolved Solids	mg/L		
		Total Suspended Solids			
		Biochemical oxygen demand			
		Total Nitrogen			
		Total Phosphorus			
		Ammonium-nitrogen			
		Nitrate + Nitrite-nitrogen			

4. Table 3.4.1 of the licence is amended by the deletion of the text shown in strikethrough below:

Table 3.4.1: Monitoring of ambient groundwater quality				
Monitoring point reference and location on Map of emission points and monitoring locations	Parameter	Units	Averaging period	Frequency
MB1, MB2 and MB3	Standing water level	m(AHD)	Spot sample	Quarterly
	pH	pH units		
	Total Dissolved Solids	mg/L		
	Total Suspended Solids	mg/L		
	Total Nitrogen	mg/L		
	Total Phosphorus	mg/L		

5. The licence is amended by the deletion of the following condition 4.1.1:

4.1.1 *The Licensee shall complete the improvements in Table 4.1.2 by the date of completion in Table 4.1.2.*

6. Condition 5.2.1 of the licence is amended by the insertion of the red text shown in underline below:

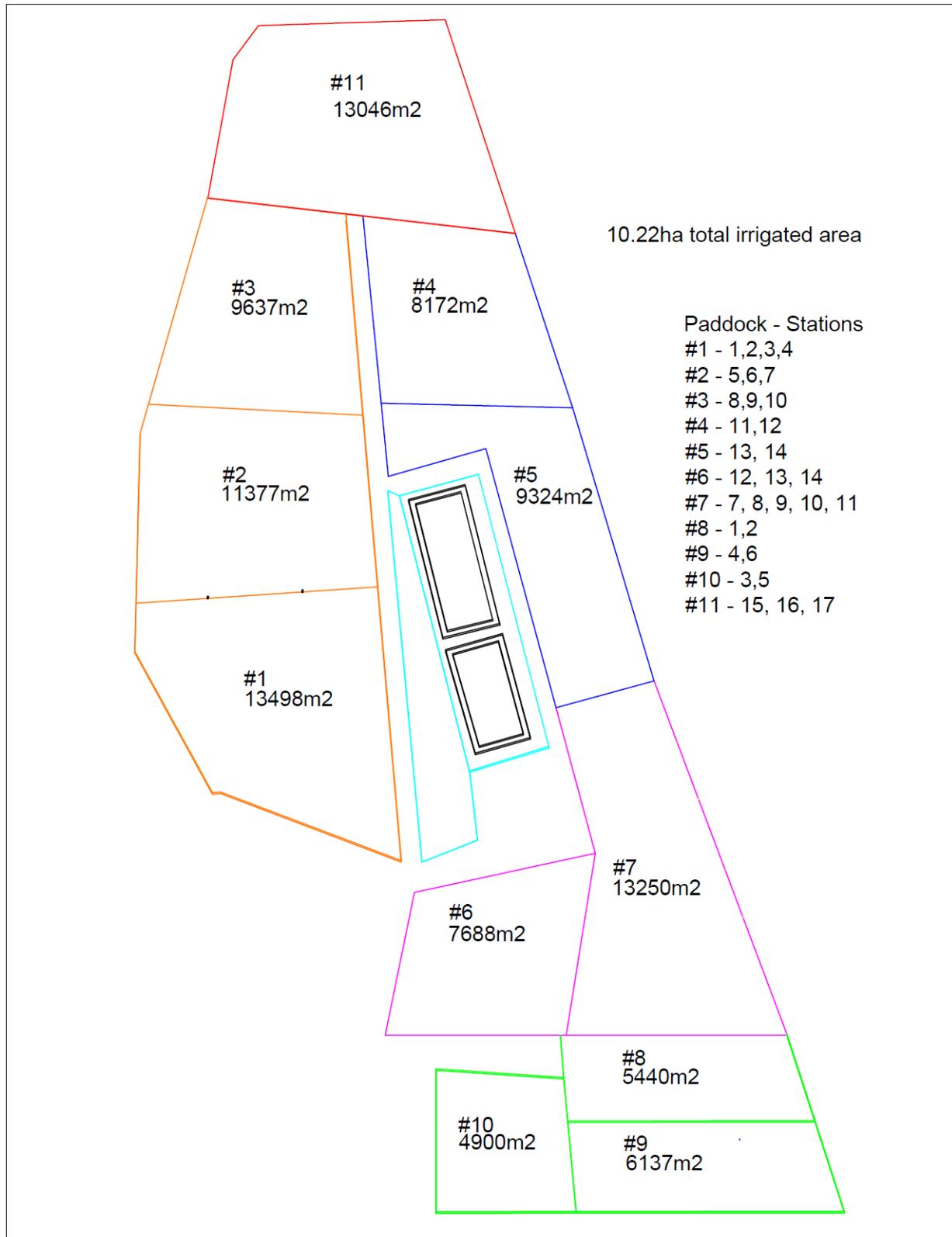
Table 5.2.1: Annual Environmental Report		
Condition or table (if relevant)	Parameter	Format or form¹
-	Summary of any failure or malfunction of any pollution control equipment and any environmental incidents that have occurred during the annual period and any action taken	None specified
Table 3.2.1	<u>volumetric flow rate for each irrigation paddock</u>	None specified
	pH, total dissolved solids, total suspended solids, biochemical oxygen demand, total nitrogen, total phosphorus, ammonium-nitrogen, nitrate + nitrite-nitrogen	None specified
	<u>Contaminant loading to land of parameters (total annual loading kg/ha/yr for nitrogen and phosphorus, average daily loading kg/ha/day for BOD) for paddocks #1, #2, #3, #4, #5, #6, #7, #8, #9, #10 and #11</u>	None specified
Table 3.3.1	Livestock received at premises (number of animals), animals to be slaughtered (live weight in tonnes (estimated))	None specified
Table 3.4.1	Standing water level, pH, total dissolved solids, total suspended solids, total nitrogen, total phosphorus	None specified
5.1.3	Compliance	Annual Audit Compliance Report (AACR)
5.1.4	Complaints summary	None specified

Note 1: Forms are in Schedule 2

7. Schedule 1 of the licence is amended by the insertion of the Map of emission point to land in this Amendment Notice.
8. The Map of emission points and monitoring locations in Schedule 1 of the licence is replaced with the Map of monitoring locations in this Amendment Notice.

Map of emission points

The locations of the emission points defined in Table 2.2.1 are shown below.



Map of monitoring locations

The locations of the monitoring points defined in Tables 3.2.1 and 3.4.1 are shown below

