



Licence number	L5177/1989/13
Licence holder	Dardanup Butchering Company Nominees Pty Ltd
ACN	009 070 624
Registered business address	100 Wimbridge Road PICTON WA 6229
DWER file number	DER2014/001843
Duration	24/09/2015 to 30/09/2027
Date of amendment	11/09/2020
Premises details	Dardanup Butchering Company Abattoir 100 Wimbridge Road PICTON WA 6229 Legal description – Lot 100 on Plan 61127

Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations 1987</i>)	Assessed production throughput
Category 15: Abattoir: premises on which animals are slaughtered.	30,000 tonnes per annual period (liveweight)

This amendment is granted to the licence holder, subject to the attached conditions, on 11 September 2020, by:

Amine Fisher
A/MANAGER, PROCESS INDUSTRIES
REGULATORY SERVICES

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

Licence history

Date	Instrument	Summary of changes
24/09/2015	L5177/1989/13	Licence renewed for 5 years. Update to current licence format.
29/04/2016	L5177/1989/13	Amendment by notice – licence duration extended to 2027.
03/11/2016	L5177/1989/13	Amendment notice 1 – update to irrigation areas, monitoring and reporting requirements. Improvement requirement to submit an updated NIMP deleted.
09/09/2020	L5177/1989/13	Licence amendment for construction of new lairage yards and removal of category 55.

Interpretation

In this licence:

- (a) the words ‘including’, ‘includes’ and ‘include’ in conditions mean “including but not limited to”, and similar, as appropriate;
- (b) where any word or phrase is given a defined meaning, any other part of speech or other grammatical form of that word or phrase has a corresponding meaning;
- (c) where tables are used in a condition, each row in a table constitutes a separate condition;
- (d) any reference to an Australian or other standard, guideline, or code of practice in this licence:
 - (i) if dated, refers to that particular version; and
 - (ii) if not dated, refers to the latest version and therefore may be subject to change over time;
- (e) unless specified otherwise, any reference to a section of an Act refers to that section of the EP Act; and
- (f) unless specified otherwise, all definitions are in accordance with the EP Act.

NOTE: This licence requires specific conditions to be met but does not provide any implied authorisation for other emissions, discharges, or activities not specified in this licence.

Licence conditions

The licence holder must ensure that the following conditions are complied with:

General emissions

1. The licence holder must operate and maintain all pollution control and monitoring equipment to the manufacturer’s specification or any relevant and effective internal management system.
2. The licence holder must immediately recover, or remove and dispose of spills of environmentally hazardous materials outside of an engineered containment system.
3. The licence holder must:
 - (a) implement all practical measures to prevent stormwater runoff becoming contaminated by the activities on the premises; and
 - (b) treat contaminated or potentially contaminated stormwater as necessary prior to being discharged from the premises¹.

Note 1: The Environmental Protection (Unauthorised Discharges) Regulations 2004 make it an offence to discharge certain materials into the environment.

Construction of infrastructure

4. The licence holder must construct and undertake the works for the infrastructure specified in Table 1, and to the requirements listed in that table.
5. Subject to condition 1, within 28 days of the completion of the works specified in Table 1, the licence holder must submit to the CEO an environmental compliance report that:
 - (a) lists and describes the completed works and any associated items of infrastructure listed in Table 1;
 - (b) certifies whether or not each item of infrastructure or component of infrastructure specified in Table 1 has been constructed, complies with the corresponding requirements in that table and contains any material defects;
 - (c) contains 'as constructed' plans for each item of infrastructure or component of infrastructure specified in Table 1; and
 - (d) is signed by a person authorised by the licence holder and contains the printed name and position of that person within the company.
6. Subject to condition 5(b), where an item of infrastructure or component of infrastructure has been certified as not being constructed, or does not comply with the corresponding requirements, or contains material defects, the licence holder must:
 - (a) correct the non-compliant or defective works, prior to re-certifying in accordance with condition 5(b); or
 - (b) provide to the CEO a description of, and explanation for, any departures from the requirements listed in Table 1 that do not require rectification and do not constitute a material defect, along with the report required by condition 5.

Table 1: Infrastructure requirements table

Infrastructure	Requirements (design and construction)
New pig and sheep lairage yard	<ol style="list-style-type: none"> (a) Must be constructed in accordance with the specifications outlined in the drawing 'DRG No. 2020-7395-02' (Schedule 2); (b) Must be constructed with impervious (e.g. concrete-lined) floors, kerbing and drainage channels that are sloped to allow diversion and collection of wastes from wash-down; (c) Must include at least two (2) impervious (e.g. concrete-lined) sumps, with solids screening infrastructure, to contain wastes prior to transfer to the wastewater treatment system; and (d) Must include infrastructure to transfer screened wastewater to the existing wastewater treatment system.

Premises operation

7. The licence holder must ensure that all process wastewaters and contaminated or potentially contaminated waters are directed to a wastewater treatment system.
8. The licence holder must ensure that waste material is only stored and/or treated within vessels or compounds provided with the infrastructure detailed in Table 2.

Table 2: Containment infrastructure

Vessel or compound	Material	Requirements
Screw extractor	Abattoir process wastewater and all other wastewaters not directed to the rotary screen	Located within a concrete lined sump
Rotary screen	Wastewater from the small stockyards, cattle yards and by-products load out	Located on a concrete hardstand area that drains back to the wastewater

Vessel or compound	Material	Requirements
Metal bin	Solids from screw extractor	treatment system
	Solids from rotary screen	
Truck / bin	Solid waste scraped from top of DAF	
Hopper / bins	Paunch	
Truck / trailers	Material for off-site rendering	Located on a concrete hardstand area
Fiberglass tank	Blood	Located in a concrete bunded area
Hide and skin shed	Skins / hides	Undercover in concrete floor shed with wastewater directed back to a blind sump for collection and disposal off-site
Dissolved air flotation tank (DAF)	Wastewater from the screw extractor and rotary screen	Impermeable tank on bunded hardstand area
Anaerobic tank (EEI high rate anaerobic reactor technology (HART) tank)	Wastewater from the DAF	Impermeable tank
Pond 1 (advanced nutrient removal unit process (ANRUP) pond)	Wastewater from the anaerobic tank	HDPE-lined and maintained to achieve permeability of less than 1×10^{-9} m/s
Pond 2 (phosphorus removal and holding pond)	Wastewater from Pond 1	
Geobags	Sludge from the anaerobic tank	Geobags located on bunded limestone area that drains to a sump where wastewater is directed to Pond 1
New sheep and pig lairage yard (once constructed)	Wet and dry manure, leachate and wastewater from the holding of animals and wash-down of yard area.	Undercover with concrete floor with collection sumps and pump stations to transfer screened wastewater to the wastewater treatment system. Dry manure swept up and stored in trailer parked on bitumen sealed yard area, for off-site disposal. Bunds or drains maintained around lairage to exclude stormwater flows.
Cattle lairage yards		

9. The licence holder must ensure that where wastes produced on the premises are not taken off-site for lawful use or disposal, they are managed in accordance with the requirements in Table 3.

Table 3: Management of wastes

Waste type	Disposal strategy	Operational requirements
Treated wastewater	Irrigation	The licence holder must manage the discharge of treated wastewater such that:

		<ul style="list-style-type: none"> (a) treated wastewater is evenly distributed over the irrigation area; (b) no soil erosion or ponding of wastewater occurs; (c) there is no direct runoff, spray drift or discharge beyond the irrigation area; (d) healthy vegetation cover is maintained over the irrigation area; (e) irrigation must not occur within fifty (50) metres of any defined watercourses or drain; and (f) discharge must not occur during periods of rainfall or onto flooded area(s).
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10. The licence holder must manage all wastewater ponds such that:

- (a) a minimum 300 mm freeboard is maintained at all times;
- (b) stormwater runoff resulting from site drainage must be prevented from entering the ponds or causing erosion of the outer pond embankment;
- (c) vegetation and floating debris (emergent or otherwise) must not encroach onto pond surfaces or inner pond embankments; and
- (d) trapped overflows are maintained on the discharge point(s) to prevent carryover of surface floating matter to the subsequent pond or irrigation area.

Emissions

Emissions to land

11. The licence holder must ensure that where wastewater is emitted to land from the emission points listed in Table 4 and identified on the map of irrigation areas and monitoring bores in schedule 1, it is done so in accordance with the conditions of this licence.

Table 4: Emissions to land

Emission point reference and location on map of irrigation areas and monitoring bores in Schedule 1	Description	Source, including abatement
Paddock #1, #2, #3, #4, #5, #6, #7, #8, #9, #10 and #11	Irrigation areas	Treated water from the wastewater treatment system

12. The licence holder must not cause or allow emissions to land greater than the limits listed in Table 5.

Table 5: Emissions to land

Emission point reference	Parameter	Limit (including units)	Averaging period
Paddock #1, #2, #3, #4, #5, #6, #7, #8, #9, #10 and #11	Total nitrogen	250 kg/ha/annual period	Annual
	Total phosphorus	20 kg/ha/annual period	
	BOD	30 kg/ha	Daily

Monitoring

General monitoring

13. The licence holder must 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 5667.10;
- (c) all groundwater sampling is conducted in accordance with AS/NZS 5667.11; and

- (d) all laboratory samples are submitted to and tested by a laboratory with current NATA accreditation for the parameters being measured.
14. The licence holder must ensure that quarterly monitoring is undertaken at least 45 days apart.

Monitoring of emissions to land

15. The licence holder must undertake the monitoring in Table 6 according to the specifications in that table.

Table 6: Monitoring of emissions to land

Emission point reference	Monitoring point reference	Parameter	Units	Averaging period	Frequency
Paddock #1, #2, #3, #4, #5, #6, #7, #8, #9, #10 and #11	-	Volumetric flow rate	Cubic metres (m ³)	Monthly	Continuous
L1	Pond 2 (Phosphorus removal and holding pond)	pH	No unit	Spot sample	Quarterly
		TDS	mg/L		
		TSS			
		BOD			
		Total nitrogen			
		Total phosphorus			
		Ammonium-nitrogen			
		Nitrate + nitrite-nitrogen			

Monitoring of inputs and outputs

16. The licence holder must undertake the monitoring in Table 7 according to the specifications in that table.

Table 7: Monitoring of inputs and outputs

Input / Output	Parameter	Units	Averaging period	Frequency
Livestock received at premises	Animals	number	Annual	Each batch arriving at premises
Animals to be slaughtered	Liveweight of animals	tonnes (estimated)		Estimated from number of livestock received at premises
Slaughtered animals	Hot standard carcase weight (HSCW)	kilograms (weighed)		Total of all animals slaughtered on the premises, by species

Ambient environmental quality monitoring

17. The licence holder must undertake the monitoring in Table 8 according to the specifications in that table.

Table 8: Monitoring of ambient groundwater quality

Emission point reference and location on map of irrigation areas and monitoring bores in Schedule 1	Parameter	Units	Averaging period	Frequency
MB1, MB2, MB3	Standing water level	m AHD	Spot sample	Quarterly
	pH	No unit		
	TDS	mg/L		
	TSS			
	Total nitrogen			
	Total phosphorus			

Records and reporting

- 18.** All information and records required by the licence must:
- be legible;
 - if amended, be amended in such a way that the original and subsequent amendments remain legible and are capable of retrieval;
 - except for records listed in condition 18(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;
 - for those following records, be retained until the expiry of the licence and any subsequent licence:
 - off-site environmental effects; or
 - matters which affect the condition of the land or waters.
- 19.** The licence holder must:
- undertake an audit of their compliance with the conditions of this licence during the preceding annual period; and
 - prepare and submit to the CEO, by no later than 1 March in each year, an Annual Audit Compliance Report in the approved form.
- 20.** The licence holder must 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.
- 21.** The licence holder must maintain accurate and auditable books including the following records, information, reports and data required by this licence:
- the calculation of fees payable in respect of this licence;
 - the maintenance of infrastructure required to ensure that it is kept in good working order in accordance with condition 1 of this licence;
 - monitoring undertaken in accordance with conditions 15, 16 and 17 of this licence;
 - the calculation of annual total liveweight of animals slaughtered (data provided for each species); and
 - complaints received under condition 20 of this licence.
- 22.** The licence holder must submit to the CEO an annual environmental report within 60 calendar days after the end of the annual period. The report must contain the information listed in Table 9.

Table 9: Annual environmental report

Condition or table	Parameter
-	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
Tables 5 & 6	Monitoring of emissions to land, including calculations of contaminant loading to land
Table 7	Monitoring of inputs and outputs
Table 8	Monitoring of ambient groundwater quality
Condition 19	Compliance (AACR)
Condition 20	Complaints summary

- 23.** The licence holder must ensure the report required by condition 22 also contains an assessment of the information contained within against previous monitoring results and licence limits.

Definitions

In this licence, the terms in Table 10 have the meanings defined.

Table 10: Definitions

Term	Definition
AHD	Australian Height Datum
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).
annual period	means the inclusive period from 1 January until 31 December in the same year
AS/NZS 5667.1	means the Australian Standard AS/NZS 5667.1 <i>Water Quality – Sampling – Guidance on the design of sampling programs, sampling techniques and the preservation and handling of samples</i>
AS/NZS 5667.10	means the Australian Standard AS/NZS 5667.10 <i>Water Quality – Sampling – Guidance on sampling of waste waters</i>
AS/NZS 5667.11	means the Australian Standard AS/NZS 5667.11 <i>Water Quality – Sampling – Guidance on sampling of groundwaters</i>
averaging period	means the time over which a limit is measured or a monitoring result is obtained
BOD	Biochemical oxygen demand
CEO	means Chief Executive Officer of the Department of Water and Environmental Regulation. “submit to / notify the CEO” (or similar) means either: Director General Department Administering the <i>Environmental Protection Act 1986</i> Locked Bag 10 JOONDALUP DC WA 6919 or: info@dwer.wa.gov.au
condition	means a condition to which this licence is subject under s.62 of the EP Act
Department	means the department established under section 35 of the <i>Public Sector Management Act 1994</i> and designated as responsible for the administration of the EP Act, which includes Part V, Division 3
discharge	has the same meaning given to that term under the EP Act
emission	has the same meaning given to that term under the EP Act
EP Act	means the <i>Environmental Protection Act 1986</i> (WA)
freeboard	means the distance between the maximum water surface elevations and the top of retaining banks or structures at their lowest point
hardstand	means a surface with a permeability of 10^{-9} metres/second or less
HSCW	means the carcase weight of an animal once dressed and trimmed according to the standard carcase definition for that animal species, and measured hot at the end of the slaughter chain, before being transferred to the chillers
HDPE	High density polyethylene
licence	means this document, which evidences the grant of a licence by the CEO under section 57 of the EP Act, subject to the specified conditions contained within

Term	Definition
licence holder	refers to the occupier of the premises being the person to whom this licence has been granted, as specified at the front of this licence
NATA	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
premises	means the premises to which this licence applies, as specified at the front of this licence and as shown on the map in Schedule 1 to this licence
prescribed premises	has the same meaning given to that term under the EP Act
quarterly	means the 4 inclusive periods from 1 January to 31 March, 1 April to 30 June, 1 July to 30 September and 1 October to 31 December in the same year
Schedule 1	means Schedule 1 of this licence, unless otherwise stated
Schedule 2	means Schedule 2 of this licence, unless otherwise stated
spot sample	means a discrete sample representative of the time and place at which the sample is taken
TDS	Total dissolved solids
TSS	Total suspended solids

END OF CONDITIONS

Schedule 1: Maps

Premises map

The boundary of the prescribed premises is shown in the map below.



Schedule 1: Maps

Map of irrigation areas and monitoring bores

The boundary of the prescribed premises is shown in the map below.



DO NOT SCALE

LINE OF EXISTING GRADE SURFACE
BASE SHOWN DASHED

NEW WASTE COLLECTION PIT TO BE FITTED WITH WASTE PUMP AND NETWORK TO BE PUMPED TO EXISTING WASTE TREATMENT SYSTEM

LINE OF EXISTING GRADE SURFACE
BASE SHOWN DASHED

NEW STEEL RAILWAY

PEN 1 PEN 2 PEN 3 PEN 4 PEN 5 PEN 6

PEN 7 PEN 8 PEN 9 PEN 10 PEN 11 PEN 12

PEN 13 PEN 14 PEN 15 PEN 16 PEN 17 PEN 18

PEN 19 PEN 20 PEN 21 PEN 22 PEN 23 PEN 24

EXISTING STEEL RAILWAY

12

13

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15

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17

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23

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PRELIMINARY
27/03/2020

DARDANUP
BUTCHERING COMPANY • 1950

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DARDANUP BUTCHERING COMPANY
PROPOSED NEW LEIRAGE
WIMBRIDGE ROAD PICTON
FLOOR PLAN
DRG. No. 2020 - 7395 - 02