



Licence

Environmental Protection Act 1986, Part V

Licensee: Semini Enterprises Pty Ltd

Licence: L9137/2018/1

Registered office: 7 Harris Road
Busselton WA 6280

ACN: 069 792 981

Premises address: Semini Feedlot
41 Jindong-Treeton Road
TREETON WA 6284
Being Lot 2254 on Plan 203091 and Lot 2 on Diagram 35159 as depicted in
Schedule 1

Issue date: 4 July 2018

Expiry date: 3 July 2030

Prescribed premises category

Schedule 1 of the *Environmental Protection Regulations 1987*

Category number	Category description	Category production or design capacity	Approved Premises production or design capacity
1	Cattle feedlot: premises on which the watering and feeding of cattle occurs, being premises – (a) situated less than 100 metres from a watercourse; and (b) on which the number of cattle per hectare exceeds 50.	500 animals or more	2,000 animals

Conditions

This Licence is subject to the conditions set out in the attached pages.

Date signed: 4 July 2018

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Officer delegated under section 20
of the *Environmental Protection Act 1986*



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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 regulates 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.slp.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

Semini Feedlot is a cattle feedlot located in Treeton, approximately 255 kilometres (km) south of Perth. The premises is zoned rural under the Shire of Augusta-Margaret River Local Planning Scheme 1. The closest residential property is approximately 1.4 km from the premises with the town of Cowaramup 10 km north-west.

The premises is located within the Busselton Coast Basin and the Caribunup River catchment. It is located within a groundwater area that is proclaimed under the *Rights in Water and Irrigation Act 1914*. A number of minor and major watercourses are located within the premises boundary, in the vicinity of the feedlot pens and composting area. The majority of the watercourses are unnamed. The Caribunup River and Caribunup Brook are the named major watercourses.

Cattle are confined within pens and fed and watered before being transported off-site for slaughter. The premises has twelve pens in total with a combined area of 17,280m². The pens are of varying sizes with the smallest being 1,200 m² and the largest 1,740m². The maximum number of cattle in pens varies from 133 to 193 head of cattle. The stocking density of the pens varies with the size of the pen and climatic conditions. Some of the pens provide a sheltered section.

Manure, effluent, and carcasses are generated from the operation of the premises. Pens are scraped of manure, spilt feed and drinking water, and sawdust, at least, every 20 weeks. Waste from the pens is stored in a short-term storage area located next to the retention basin for up to 28 days prior to being moved to the composting area. Waste from feedlot operations is combined with grape marc, bark, sawdust and vegetable offcuts. Between 400 and 500 tonnes of compost is manufactured each year. Carcasses are buried on site within a burial pit located on top of a hill that overlooks the feedlot pens.

A controlled drainage area directs run-off from the pens and solid waste storage area to the retention basin. The wastewater from the retention basin is disposed of via evaporation and irrigation to a defined area within the premises boundary. A pump directs wastewater from the retention basin to a travelling irrigator sprinkler.

This licence is a replacement of L7986/2004/6 which ceased to have effect due to late payment of annual fees. The new replacement licence L9137/2018/1 includes Amendment Notice 1, issued in August 2017 against the previous licence. No risk assessment has been undertaken in granting this replacement licence.

The licences and works approvals issued for the Premises since 14/03/2005 are:

Instrument log		
Instrument	Issued	Description
L7986/2004/1	14/03/2005	New application
L7986/2004/2	14/03/2006	Licence re-issue
L7986/2004/3	14/03/2007	Licence re-issue
L7986/2004/4	19/03/2008	Licence re-issue
L7986/2004/5	19/03/2013	Licence re-issue
L7986/2004/6	17/03/2016	Licence reissue and amendment to new format



Instrument log		
Instrument	Issued	Description
L7986/2004/6	25/08/2017	An administrative amendment to correct clerical error and description of temporarily manure stockpile.
L7986/2004/6		Ceased to have effect-late payment of annual fee
L9137/2018/1	5/07/2018	Replacement licence issued for L7986/2004/6.

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:

‘**AACR**’ Annual Audit Compliance Report a template of which can be found on DWER website;

‘**Act**’ means the *Environmental Protection Act 1986*;

‘**annual period**’ means the inclusive period from 1 June until 31 May in the following year;

‘**AS/NZS 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 5667.6**’ means the Australian Standard AS/NZS 5667.6 *Water Quality – Sampling – Guidance on sampling of rivers and streams*;

‘**AS/NZS 5667.10**’ means the Australian Standard AS/NZS 5667.10 *Water Quality – Sampling – Guidance on sampling of waste waters*;

‘**CEO**’ means Chief Executive Officer of the Department of Water and Environment Regulation;

‘**CEO**’ for the purpose of correspondence means:

Chief Executive Officer
Department Administering the Environmental Protection Act 1986
Locked Bag 33
CLOISTERS SQUARE WA 6850
Email: info@dwer.wa.gov.au



‘composted material’ means the waste materials that have been microbiologically transformed under controlled aerobic conditions;

‘controlled drainage area’ means the area on the premises that drains to the retention basin and includes pens, lane ways, manure storage area and the retention basin;

‘effluent’ means the liquid by-product comprising of wastewater, spilt/leaked drinking water, manure, sawdust and waste feed;

‘feedlot’ means all areas of the premises used for feed-lotting activities, including but not limited to laneways and pens;

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

‘Licence’ means this Licence numbered L9137/2018/1 for the replacement of ceased licence L7986/2004/6 and issued under the Act;

‘Licensee’ means the person or organisation named as Licensee on page 1 of the Licence;

‘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;

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

‘retention basin’ means a pond designed to capture and store runoff before the captured runoff is either applied to land or evaporated;

‘Schedule 1’ means Schedule 1 of this Licence unless otherwise stated;

‘sludge’ means accumulated solids separated from effluent during wastewater storage;

‘solids’ means solids scraped from the feedlot pens consisting of manure, spilt feed and drinking water and sawdust; and

‘spot sample’ means a discrete sample representative at the time and place at which the sample is taken.

- 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.
- 1.1.5 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 Premises operation

- 1.2.1 The Licensee shall ensure that all effluent and wastewaters from feedlot operations including wash down water, by-products wastewater, and contaminated runoff are directed to the retention basin.
- 1.2.2 The Licensee shall direct uncontaminated roof and up-gradient stormwater away from the controlled drainage area.
- 1.2.3 The Licensee shall ensure that waste material is only stored and/or treated within vessels or compounds provided with the infrastructure detailed in Table 1.2.3.

Table 1.2.3: Containment infrastructure		
Structure and location on premises maps	Material	Infrastructure requirements
Feedlot pens	Manure, contaminated stormwater and wastewater	Lined with in-situ soils
Retention basin	Manure, contaminated stormwater and wastewater	Clay-lined
Temporary manure stockpile area	Manure and associated waste material scraped from the feedlot pens	Lined with in-situ soils
Composting area	Manure, sludge, grape marc, bark, sawdust and vegetable offcuts	Lined with clay and gravel and bunded to ensure no runoff

- 1.2.4 The Licensee shall manage the retention basin such that:
- (a) overtopping of the basin does not occur; and
 - (b) a minimum top of embankment freeboard of at least 300 mm is maintained.
- 1.2.5 The Licensee shall ensure that the pasture in the designated irrigation area is mechanically harvested at least once in each annual period.
- 1.2.6 The Licensee shall 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 1.2.6.

Table 1.2.6: Management of Waste		
Waste type	Disposal strategy	Operational requirements
Wastewater	Irrigation	The Licensee shall ensure that irrigation meets the following requirements: <ul style="list-style-type: none">• irrigation does not occur in areas where the water table rises to within 1m of the surface during the irrigation period;• irrigation does not occur within 100m of a surface water body excluding dams within the premises boundary;• no irrigation generated runoff, spray drift or discharge occurs beyond the boundary of the Premises;• treated wastewater is evenly distributed over the irrigation area;• no soil erosion occurs;• vegetation cover is maintained over the wastewater irrigation areas; and• irrigation does not occur on land that is waterlogged.
	Evaporation	None specified
Carcass	Burial	The carcass disposal area shall be:



Table 1.2.6: Management of Waste

Waste type	Disposal strategy	Operational requirements
		(a) clay lined burial pits, with the bottom of the pit at least 1.5 metres above the seasonal high water table; (b) located at least 100 metres from any well, bore or watercourse; and (c) covered with earth within 1 hour of carcass disposal.
Solids from feedlot pens	Stockpiling and composting	(a) feedlot pens shall be scraped of excess solids at least once every 20 weeks; (b) stockpiled solids pending final disposal shall not be stored in the temporary manure stockpile area, as depicted on Schedule 1 Map of feedlot pens, for more than 28 days; and (c) a logbook must be maintained of the dates in which the events referred to in (a) are carried out and the timeframes relating to (b).
Composted material and sludge	Removed offsite or onsite application to land	Composted material shall not be disposed of onto the designated irrigation area or within 100 metres of a watercourse.

2 Emissions

2.1 General

- 2.1.1 The Licensee shall record and investigate the exceedance of any descriptive or numerical limit specified in any part of section 2 of this Licence.

2.2 Emissions to land

- 2.2.1 The Licensee shall ensure that where waste is emitted to land from the emission points in Table 2.2.1 and identified on the premises map in Schedule 1 it is done so in accordance with the conditions of this Licence.

Table 2.2.1: Emissions to land

Emission point reference and location on premises map	Description	Source including abatement
L1	Irrigation area (11.6ha)	Wastewater from retention basin
Premises boundary excluding irrigation area L1	Area used for application of manure or sludge to land	Manure stockpile or sludge separated from the wastewater in the retention pond

- 2.2.2 The Licensee shall not cause or allow emissions to land greater than the limits listed in Table 2.2.2.

Table 2.2.2: Emission limits to land

Emission point reference	Parameter	Limit (including units)	Averaging period
L1	Total nitrogen	300 kg/ha	Annual
	Total phosphorus	50 kg/ha	Annual
	Biological Oxygen Demand (BOD) (5 day filtered)	30 kg/ha	Daily



Table 2.2.2: Emission limits to land

Emission point reference	Parameter	Limit (including units)	Averaging period
Premises boundary excluding L1	Manure or sludge	6.1 tonnes/ha	Annual

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 5667.10;
- (c) all surface water sampling is conducted in accordance with AS/NZS 5667.6; and
- (d) all laboratory 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.

3.1.2 The Licensee shall ensure that annual monitoring is undertaken at least 9 months apart.

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	Parameter	Units	Frequency
M1 – retention basin irrigation outlet	Total phosphorus	mg/L	Annual
	Total nitrogen		
	Biological Oxygen Demand (BOD) (5 day filtered)		
	Total suspended solids		
	Total dissolved solids		

3.3 Ambient environmental quality monitoring

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

Table 3.3.1: Monitoring of ambient surface water quality

Monitoring point reference and location	Parameter	Units	Averaging period	Frequency
WQ1 and WQ2	Total phosphorus	mg/L	Spot sample	Twice during the annual period – at the first winter rains and three weeks after the first winter rain
	Total nitrogen			
	Total suspended solids			
	Total dissolved solids			



4 Information

4.1 Records

- 4.1.1 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 4.1.1(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:
 - (i) off-site environmental effects; or
 - (ii) matters which affect the condition of the land or waters.
- 4.1.2 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.
- 4.1.3 The Licensee shall complete an Annual Audit Compliance Report indicating the extent to which the Licensee has complied with the conditions of the Licence, and any previous licence issued under Part V of the Act for the Premises for the previous annual period.
- 4.1.4 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.

4.2 Reporting

- 4.2.1 The Licensee shall submit to the CEO an Annual Environmental Report by 30 June each year. The report shall contain the information listed in Table 4.2.1 in the format or form specified in that table.

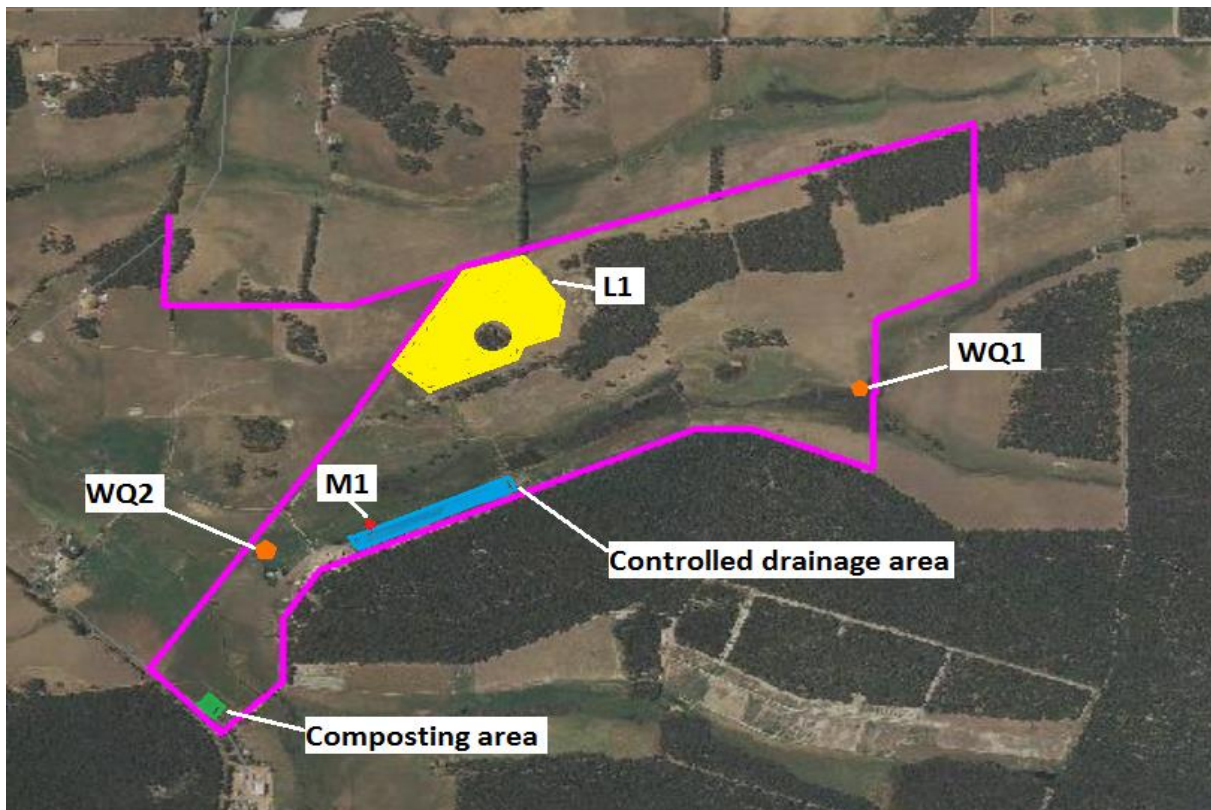
Table 4.2.1: Annual Environmental Report		
Condition or table (if relevant)	Parameter	Format or form
-	Summary of any failure or malfunction of any pollution control equipment and any environmental incidents that have occurred during the annual period and any action taken	None specified
-	Number of cattle held at the Premises each month	
3.2.1	Monitoring of emissions to land	
3.3.1	Monitoring of ambient surface water quality	
4.1.3	Compliance	Annual Audit Compliance Report (AACR) A template is available to DWER website
4.1.4	Complaints summary	None specified



Schedule 1: Maps

Premises map

The Premises is shown in the maps below. The pink line depicts the Premises boundary. The locations of the emission points defined in Table 2.2.1 are shown below. The locations of the monitoring points defined in Table 3.2.1 and 3.3.1 are shown below.



N
0 0.025 m
Scale 1:23573
(Approximate when reproduced at A4)
Geocentric Datum Australia 1994
Note: the data in this map have not been projected. This may result in geometric distortion or measurement inaccuracies.



Map of feedlot pens

