

Transferred Licence

Licence number	L6876/1989/12
Licence holder	Westpork Pty Ltd
ACN	009 148 789
Registered business address	1/7 Foundry Road MAYLANDS WA 6051
DWER file number	DER2014/001577
Duration	02/10/2012 to 19/10/2024
Date of transfer	10/05/2021
Premises details	Australind Piggery 96 Rosamel Road PARKFIELD WA 6233

Legal description – Lot 2 on Diagram 76597

Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations 1987</i>)	Assessed design capacity
Category 2: Intensive piggery: premises on which pigs are fed, watered and housed in pens.	11,800 standard pig units at any one time

This licence is transferred to the licence holder, subject to the attached conditions, on 10/05/2021, by:

Caron Goodbourn 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
11/10/2012	L6876/1989/12	Licence renewal
05/07/2013	L6876/1989/12	Licence updated to current template
10/10/2013	L6876/1989/12	Licence transferred to GD Pork Holdings from Milne Agrigroup
29/04/2016	L6876/1989/12	Licence expiry extended to 2024 by notice
23/06/2016	L6876/1989/12	Licence amended to enable piggery expansion to 11,800 SPUs
10/05/2021	L6876/1989/12	Licence transferred to Westpork from GD Pork Holdings

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:

Works

- **1.** The licence holder must carry out the works within the premises in accordance with the requirements set out in Schedule 3.
- **2.** The licence holder must locate the works generally in accordance with the site plans in Schedule 1.
- **3.** Subject to condition 6, at least 10 business days prior to the commencement of the works, the licence holder must provide to the CEO engineering or building certification from a professional engineer confirming that the detailed construction drawings and plans for the works include each item of infrastructure or component of infrastructure listed in Table 1 and with the corresponding requirements specified in that table.
- 4. Subject to condition 6, on completion of the works, the licence holder must provide to the CEO engineering or building certification from a professional engineer confirming each item of infrastructure or component of infrastructure listed in Table 1 has been constructed in accordance with the corresponding requirements in that table and with no material defects.

- **5.** The licence holder must not depart from the requirements specified in Table 1 except:
 - (a) where such departure does is minor in nature and does not materially change or affect the infrastructure;
 - (b) or where such departure improves the functionality of the infrastructure and does not increase risks to public health, public amenity or the environment; and all other conditions in this licence are still satisfied.
- 6. If condition 5 applies, the licence holder must provide the CEO with a list of departures which are certified as complying with condition 5 at the same times, and from the same professional, as the certifications required under conditions 3 and 4.
- **7.** The licence holder must ensure that each item of infrastructure or equipment listed in Table 1 is designed and constructed in accordance with the requirements specified in that table.

Table 1: Works	s infrastructure	requirements table
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Infrastructure	Requirements (design and construction)		
All	All piggery infrastructure must be located at least 50 m from geomorphic wetlands.		
	The distance from infrastructure must be calculated from the outer perimeter of any embankment or physical building.		
Accommodation Sheds	The piggery sheds must be designed and constructed so as to meet the following specifications:		
	 (a) All new sheds must be fully enclosed with mechanical ventilation; (b) Intensive sheds must comprise slatted floors and contain a feeding system to all animals within the shed; 		
	 (c) Intensive sheds must employ pull and plug systems, comprising of impermeable, corrosion-resistant, and sturdy underfloor pits, and a 250m³ covered concrete collection sump; 		
	(d) The licence holder must ensure that all wastewater and slurry from the intensive piggery sheds is directed to the wastewater treatment plant by 300mm diameter impermeable PVC piping; and		
	(e) Feed dispensers from the floor, creeps, or feeders.		
Waste storage and treatment areas	The licence holder must ensure that all waste storage and treatment areas are constructed from impermeable and bunded concrete hardstand.		
Waste Treatment Plant	Following construction and commissioning of the Waste Treatment Plant, certification must be provided from a suitably qualified professional that:		
) is fit for the purpose intended being the treatment of waste from the maximum number of SPUs to be held on the premises.		
Biogas transport and flaring	(a) A flare and engine must be installed for the combustion of biogas generated by the WTP.		
	(b) The flare and engine must be designed, constructed and sited in accordance with the Code of Practice for On-farm Biogas Production and Use (Piggeries) Australian Pork Limited (2015), APL Project 2011/1013.423 inclusive of:		
	(i) biogas transfer pipelines and fittings; and		
	(ii) biogas conditioning prior to combustion.		
	(c) The biogas flare and engine design specifications must include:		
	 (I) a rated capacity to safely combust all blogas in storage under the domes of the anaerobic digesters; 		

Infrastructure	Requirements (design and construction)	
	 (ii) a measurement device to monitor the operational status of the flare during periods when the flame is invisible; and 	
	(iii) a flowmeter to monitor the quantity of biogas sent to the flare and engine.	
	(d) The design and construction of the flare and engine, including any ancillary components, must be completed by a suitably qualified professional.	
Decommissioning of existing wastewater ponds	During the decommissioning of the three existing wastewater ponds, desludging must not breach the pond embankment or pond lining or result in any effluent runoff.	

Infrastructure and equipment

- **8.** The licence holder must ensure the infrastructure and equipment listed in Table 2 are maintained and operated in accordance with the requirements specified in that table.
- **9.** The licence holder must ensure the infrastructure and equipment listed in Table 2 are maintained in good working order.

 Table 2: Infrastructure controls table

Site Infrastructure	Description	Operation details	Reference to Premises plan (Schedule 1)
Controls for odour			
Waste Treatment Plant (WTP)	The WTP is made up of a number of components including waste storage areas, a shredder, mixer/digester, evaporation tanks, and biogas reuse system. The WTP effluent collecting pit is covered.	WTP is operational continuously, and anaerobic waste treatment occurs in enclosed tanks. Combustion of biogas to destroy odour.	Site Plan Wastewater Treatment Plant Plan
Biogas use equipment and biogas transport and flaring	Internal combustion engines and a backup flare	Cleaned biogas is used to produce electricity and heat or is combusted by the backup flare	Wastewater Treatment Plant Plan
Intensive and extensive accommodation sheds	Enclosed sheds with automatic mechanical ventilation system known as tunnel ventilation Extensive sheds consist of flooring and two side walls with a tarpaulin cover	Occupied sheds are regularly cleaned Effluent pits in intensive sheds are 'pulled' daily for continuous inflow into effluent collection pit Fans in one end of intensive sheds pull air from the other end, creating a drop in temperature by the addition of water resulting	Site plan

		in evaporative cooling	
Controls for combus	stion gases		
Biogas use equipment and biogas transport and flaring	The biogas reuse plant is part of the WTP	Cleaned biogas is combusted in engines or a backup flare Quality and production of biogas measured daily	Wastewater Treatment Plant Plan
Controls to minimis	e groundwater and surfa	ce water impacts	
Site Infrastructure	Description		
WTP and accommodation sheds	 Description New and existing infrastructure controls are outlined in the Environmental Management Plan. These include: plug and pull system effluent system and underfloor pits with contingency storage for 30 days; enclosed effluent sump with three days capacity; effluent transported in PVC pipes; bunded concrete area for spent litter and pressed manure storage with a capacity of 20m³; WTP located on concrete platform consisting of impervious: 50m³ feeding tank; and Two enclosed 1,976m³ digesters concrete floor and side walls for extensive sheds; and water supply in extensive sheds located on inner walls to ensure any environment of the document of the docum		

10. The licence holder must ensure that on completion of the works specified in condition 1, the number of animals on the site does not exceed 15,916.

Groundwater monitoring and reporting

11. The licence holder must undertake the groundwater monitoring in Table 3 according to the specifications in that table.

Table 3: Monitoring of ambient groundwater quality

Monitoring point reference and location on premises map	Parameter	Units	Averaging period	Frequency
MB1 – MB3	Standing water level ¹	m(AHD) mBGL	Spot sample	Six monthly
	pH ¹	-		
	Electrical conductivity ¹	µS/cm		
	Total dissolved solids	mg/L		
	Total nitrogen			
	Total phosphorus			
	Total acidity			
	Total alkalinity			
	Dissolved metals			
	Sulfate			
	Chloride			

Note 1: In-field non-NATA accredited analysis permitted.

- **12.** The licence holder must ensure that:
 - (a) all water samples are collected and preserved in accordance with AS/NZS 5667.1;
 - (b) all groundwater sampling is conducted in accordance with AS/NZS 5667.11; and
 - (c) 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 Monitoring Requirements Table.
- **13.** The licence holder must ensure that six monthly monitoring is undertaken at least 5 months apart.
- **14.** The licence holder must provide a report to the CEO specifying the data from the monitoring undertaken in condition 11 in the form and at the times specified in Schedule 4.

Records and reporting

- **15.** All information and records required by the licence must:
 - (a) be legible;
 - (b) if amended, be amended in such a way that the original and subsequent amendments remain legible and are capable of retrieval;
 - (c) except for records listed in condition 15(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.
- **16.** 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.
- **17.** 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 1 March in each year, an Annual Audit Compliance Report in the approved form.
- **18.** The licence holder must maintain accurate and auditable books including the following records, information, reports and data required by this licence:
 - (a) the calculation of fees payable in respect of this licence;
 - (b) the maintenance of infrastructure required to ensure that it is kept in good working order in accordance with conditions 8 & 9;
 - (c) monitoring undertaken in accordance with condition 11; and
 - (d) complaints received under condition 16.

Definitions

In this licence, the terms in Table 4 have the meanings defined.

Table 4: 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 October until 30 September in the following 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 5667.11	means the Australian Standard AS/NZS 5667.10 <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	
books	has the same meaning given to that term under the EP Act	
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</i> <i>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	
effluent	means the liquid by-product stream comprising of wastewater, spilt/leaked drinking water, manure and waste feed	
emission	has the same meaning given to that term under the EP Act	
EP Act	Environmental Protection Act 1986 (WA)	
hardstand	means a surface with a permeability of 10 ⁻⁹ metres/second or less	
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	
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
professional engineer	means a person who holds a Bachelor of Engineering and has demonstrated experience working in the relevant discipline
spot sample	means a discrete sample representative of the time and place at which the sample is taken
Standard Pig Unit (SPU)	Has the meaning as defined in the National Environmental Guidelines for Piggeries – Second Edition 2010, Australian Pork Limited
waste	has the same meaning given to that term under the EP Act

END OF CONDITIONS

Schedule 1: Plans

Premises plan

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



Schedule 1: Plans

Wastewater treatment plant plan



L6876/1989/12 (02/10/2012 / 10/05/2021)

Schedule 1: Plans

Existing site plan

The prescribed premises at the time of assessment is shown in the plan below.





Schedule 2: General description

At the time of assessment, the following activities and operations were considered in the determination of the risk and related conditions for the premises.

The activities on the premises constitute those activities prescribed in Schedule 1 of the Environmental Protection Regulations 1987 as Category 2 – intensive piggery: premises on which pigs are fed, watered, and housed in pens.

The maximum number of animals permitted on the premises is 15,916 animals, which is equivalent to 11,800 SPU.

Infrastructure and equipment

The following infrastructure and equipment are situated on the Premises:

	Infrastructure	Plan reference
1	Twenty deep straw bedding extensive sheds	Plan: Existing Site Plan
2	Three evaporation ponds	Plan: Existing Site Plan
3	Solids separator	Plan: Existing Site Plan

The following infrastructure and equipment will be removed from the Premises:

	Infrastructure	Plan reference	
1	Four deep straw bedding extensive sheds	Plan: Premises Plan	
2	Three evaporation ponds	Plan: Existing Site Plan	
3	Solids separator	Plan: Existing Site Plan	

The following infrastructure and equipment are proposed on the Premises:

	Infrastructure	Plan reference
1	Sixteen mechanically ventilated production (intensive) sheds	Plan: Premises Plan
2	 Waste treatment plant (WTP) consisting of: covered concrete collection sump (250m3); feed tank (50m3; steel and epoxy glass); primary digester tank (1,976 m3; insulated steel and epoxy glass); secondary digester tank (1,976 m3; insulated steel and epoxy glass); evaporation tank (100m3, steel); solids storage bed; and biogas plant. 	Plan: Premises Plan Plan: Wastewater Treatment Plant Plan

Site layout

The infrastructure and equipment are set out on the premises in accordance with the site layout specified on the plans in Schedule 1.

Schedule 3: Works

The works to be carried out on the premises are specified in the table belo	W:
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Item	Works	Specifications/Drawings	
1	Intensive Sheds	 Insulated, fully enclosed, standard colorbond surfmist buildings, column (side wall) height 2.2 m above floor level, insulated roof/ceiling with 20-degree pitch. Penning of different size inside sheds depending on type of animals. Mechanical ventilation with air cooling. Feeding from floor, creeps or feeders depending on class of pigs. 6 production sheds for pigs each 760 m2 (total 4,560 m2) (Shed type 1) 4 production sheds for pigs each 1,050 m2 (total 4,200 m2) (Shed type 2) 1 production shed for pigs 850 m2 (total 850 m2) (Shed type 3) 1 production shed for pigs 890 m2 North of existing "farrowing shed" (replacing two existing straw based sheds, total of 890 m2) (Shed type 6) 1 production shed for pigs 450 m2 placed East of existing short "farrowing shed" (total 450 m2) (shed type 7) 1 production shed for pigs 450 m2 placed East of existing short "farrowing shed" (total 450 m2) (shed type 8) 	
		(total 450 m2) (shed type 8) Plan - Premises plan	
2	Waste Treatment Plant	 (total 450 m2) (shed type 8) Plan - Premises plan Initial collection tank (feeding tank) – constructed from steel and epoxy glass; total capacity 50m³; available capacity 35m³; shredder; effluent/solids separator. Primary digester tank - diameter 22m; total height 6m; effective height 5.3m; available volume 1,976m³; steel and epoxy glass; insulated; elastic gasometrical dome cover; effluent/solids separator. Secondary digester tank - diameter 22m; total height 6m; effective height 5.3m; available volume 1,976m³; steel and epoxy glass; insulated; elastic gasometrical dome cover; effluent/solids separator. Secondary digester tank - diameter 22m; total height 6m; effective height 5.3m; available volume 1,976m³; steel and epoxy glass; insulated; elastic gasometrical dome cover; effluent/solids separator. Total digester capacity – 3,951m³. Estimated total time of retention of 31 days. Waterproof bed (for solids separated) with gutter, total capacity to store processed waste from 90 days. Evaporation tank will be minimum 100m². Gas treatment system; 1x340kW biogas engine; biogas combustion flare. 1 backup diesel engine. Plan - Waste Treatment Plant Plan 	

Schedule 4: Monitoring

Groundwater Monitoring Events

Locations

Locations MB1, MB2 and MB3 as shown on the Groundwater Monitoring Locations plan.

Groundwater Monitoring reporting periods

Reported annually to the CEO within 30 days of the end of the annual period.

Groundwater Monitoring Report

The monitoring report must contain:

- the sampling or measurement date;
- the raw monitoring data for the sampling event in tabulated form; and
- time series graphical plots of the data generated from the earliest recorded data point.

Groundwater Monitoring Locations Plan

