Government of Western Australia
Department of Water and Environmental Regulation

Licence

Licence number	L6010/1989/13
Licence holder	Prime Meat Processors Pty Ltd
ACN	618 734 875
Registered business address	Paragon Consultants First Floor 160 Stirling Highway NEDLANDS WA 6009
DWER file number	DER2018/000285
Duration	26/04/2016 to 25/04/2036
Date of amendment	10/02/2022
Premises details	Avon Valley Abattoir 503 Northam-Pithara Road, IRISHTOWN WA 6401 Lot 1343 on Plan 246966 and Lot 150 on Plan 300064 (as depicted in Schedule 1, Map 1 of the licence)

Prescribed premises category description (Schedule 1, *Environmental Protection Regulations 1987*)	**Assessed production capacity**
Category 15: Abattoir: premises on which animals are slaughtered	16,500 tonnes of sheep and cattle per year (live weight)
Category 83: Fellmongering: premises on which animal skins or hides are dried, cured or stored	100,000 skins or hides per year

This licence is granted to the licence holder, subject to the attached conditions, on 9 February 2022 by:

Caron Goodbourn
Digitally signed by Caron Goodbourn
Date: 2022.02.09 15:12:19 +08'00'

MANAGER, PROCESS INDUSTRIES
REGULATORY SERVICES
an officer delegated under section 20 of the *Environmental Protection Act 1986* (WA)

Licence history

Date	Ref number	Summary of changes
26/04/2000	L6010/1989/4	Licence issued
26/04/2001	L6010/1989/5	Licence re-issue
22/05/2002	L6010/1989/6	Licence re-issue
03/06/2003	L6010/1989/7	Licence re-issue
10/05/2004	L6010/1989/8	Licence re-issue
21/03/2005	L6010/1989/9	Licence re-issue
20/03/2006	L6010/1989/10	Licence re-issue
05/03/2010	L6010/1989/11	Licence re-issue
24/04/2013	L6010/1989/12	Licence re-issue
21/04/2016	L6010/1989/13	Licence re-issue
28/08/2017	L6010/1989/13	Licence transferred to Prime Meat Processors Pty Ltd
14/07/2020	L6010/1989/13	Licence amendment application to permit construction, installation and operation of fellmongering infrastructure and equipment through the addition of new *Category 83: fellmongering*. Includes CEO initiated amendments to correct errors (nutrient loading limits for TN and TP were inadvertently swopped around) and administrative updates. Removed *Category 16: rendering operations* in-line with a prevention notice served on 21 May 2019 and removed *Category 55: livestock saleyard or holding pen* as this category is not required as this activity is regulated under the primary activity, being *Category 15: abattoir*
9/02/2022	L6010/1989/13	CEO initiated licence amendment resulting from a risk-based review of the licence and incorporates a licence holder-initiated amendment application for an expanded premises boundary, the construction and installation of a new foetal blood room, boning room, stormwater diversion infrastructure and sediment trap.

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:

Infrastructure and equipment

1. The licence holder must ensure that the site infrastructure and equipment listed in Table 1 and located at the corresponding infrastructure location is maintained and operated in accordance with the corresponding operational requirement set out in that Table 1.

Table 1 Infrastructure and equipment operational requirements

	Site infrastructure and equipment	Operational requirement	Infrastructure location
Lairage			
1	Covered holding pens with concrete hardstand (548 m^2) including grated, concrete drainage channels, divided into cattle and sheep pens	(a) All wastewater from the pens must be directed, via the sediment trap, to the anaerobic ponds; and (b) Weekly inspection and clean out of drainage channels.	As labelled in Map 2, Schedule 1: Covered holding pens
2	Uncovered cattle holding pens (500m^2) consisting of: 4 x pens with in-situ earth base; and 2 x pens with a concrete hardstand with PVC drainage	(c) Manure must be removed from the unsealed pens on a weekly basis from the period 1st May to 31st August and on a fortnightly basis outside of this period; (d) Manure must be removed from the hardstand prior to wash-down activities; (e) Manure must be removed from PVC drainage channels servicing the hardstand pens at least fortnightly and disposed off-site; and (f) All wastewater from the pens with hardstand	As labelled in Map 2, Schedule 1: Uncovered holding pens

	channels	and drainage channels must be directed to the anaerobic treatment ponds.	
3	Livestock (cattle and sheep) overflow yards with in-situ earth base (2,448 m^2)	Manure must be removed from the yards on a weekly basis from the period 1st May to 31st August and on a fortnightly basis outside of this period.	As labelled in Map 2, Schedule 1: Livestock overflow yards
Abattoir			
4	Abattoir comprising: • Slaughterhouse and basement with concrete hardstand • Wastewater drainage pipes and grated concrete channels	All wastewater from abattoir operations must be directed to the anaerobic ponds via impervious pipes and concrete channels.	As labelled in Map 2, Schedule 1: Abattoir and concrete sumps 1 – 4
5	High bay area comprising: • Uncovered concrete hardstand • Grated sumps • Underground wastewater drainage pipes • 9,000 l polyethylene blood collection tank • Paunch drying trailer	(a) Bi-product storage tubs and hardstand floor must be washed down on a daily basis; (b) All wash waters must be conveyed to the anaerobic ponds via impervious pipes and drains; (c) Blood collected in tank must be disposed off-site each day following animal processing; (d) Blood must not be allowed to discharge into the wastewater treatment system; and (e) Paunch trailer must be parked on the high bay area hardstand area during filling, to capture any paunch leachate.	As labelled in Map 2, Schedule 1: High bay area and blood tank
Wastewater drainage			
6	Wastewater drainage infrastructure servicing the lairage and abattoir including hardstand areas, pipes, grated concrete channels and a series of four concrete sumps	(a) Hardstand and drainage channels in all lairage and abattoir areas must be maintained to prevent leakage to subsurface soils; (b) Daily clean out of solids from save-all sumps; (c) Weekly clean out of solids from all drains; and (d) All wastewater conveying sumps, drains and pipes must be maintained free of leaks.	-
Fellmongering			
7	Fellmongering wastewater evaporation pond with minimum 4 m^3 capacity and lined with 1 mm thick	(a) Maintained a minimum freeboard of at least 200 mm from the top of embankment; and (b) Maintain raised pond embankment to divert stormwater away from the pond.	As labelled in Map 2, Schedule 1: Fellmongering evaporation pond

	HDPE		
8	Fellmongering and skin storage shed	(a) Animal skins must be refrigerated or treated with salt within eight hours of slaughter; (b) Only low odour, solid state skin curing agent to be used in the skin curing process; (c) Must collect all spilled curing agent from the fellmongering shed floor prior to wash-down; (d) Must convey all wastewater generated in the shed to the fellmongering wastewater evaporation pond; (e) The salting and curing of skins must only occur in the fellmongering shed; and (f) Cured skins must only to be stored in the skin storage shed prior to off-site removal.	As labelled in Map 2, Schedule 1: Fellmongering and skin storage shed
Wastewater treatment			
9	Wastewater treatment system, comprising the following ponds: • Anaerobic pond 1 • Anaerobic pond 2 • Facultative pond 1 • Facultative pond 2 • Oxidation pond 1 • Sludge drying bed	<u>All ponds:</u> (a) A minimum freeboard of at least 500 mm from the top of embankment must be maintained at all times; (b) With the exception of anaerobic pond 1 and 2, vegetation and floating debris (emergent or otherwise) must be prevented from encroaching onto pond surfaces or inner pond embankments; <u>Anaerobic pond 1 and 2:</u> (c) Must establish and maintain a complete crust, or install a complete synthetic cover, within 60 days of pond becoming anaerobic, except when the pond is taken offline for desludging or other maintenance activities. <u>Sludge drying bed:</u> (d) Must only be used for the storage of sludge excavated from the wastewater treatment ponds; and (e) Operated such that all sludge leachate is directed into anaerobic pond 1.	As labelled in Map 2, Schedule 1: Wastewater treatment system and sludge drying area
Wastewater irrigation			
10	Wastewater irrigation area L1 (15.15 ha) including wastewater delivery pipelines (Class 9 PVC and Class 10 HD poly pipes) and irrigators.	(a) A travelling irrigator (or similar), maintained in good working order capable of delivering water at a spreading width of at least 25 m; (b) The travelling irrigator (or similar) must be used to apply irrigation water evenly across the irrigation area; and (c) All pipes must be maintained without leaks to channel wastewater from the oxidation pond to the travelling irrigator	As labelled in Map 3, Schedule 1: Irrigation area L1
11	Flow meter (M1)	(a) Must enable accurate measurements of the cumulative volume of all wastewater discharged from the oxidation pond to the irrigation area (L1).	As labelled in Map 2, Schedule 1: Discharge point M1
Solid waste disposal			

12	Solid waste (paunch) disposal area T1 (10.92 ha)	(a) A mechanical spreader (or similar) must be used to evenly apply paunch across the solid waste disposal area (T1).	As labelled in Map 4, Schedule 1: Solid waste disposal area

Works

Installation of equipment and infrastructure

2. The licence holder must:

(a) construct or install the equipment and infrastructure;
(b) in accordance with the corresponding design, construction and installation requirements;
(c) at the corresponding infrastructure location; and
(d) within the corresponding timeframe,
as set out in Table 2.

Table 2 Construction and installation requirements

	Infrastructure and equipment	Design, construction and installation requirements	Infrastructure location	Timeframe
Fellmongering				
1	Hide / skin curing tumbler with 16 m^3 capacity and 11 kW motor	(a) Designed with a sound power level equal to or less than 80dB when operating.	As labelled in Map 2, Schedule 1: Fellmongering shed	Before 31 March 2022
2	Fellmongering wastewater drainage system comprising two concrete drains that discharge to a concrete sump	(a) Repair and reseal cracks in the concrete drain; (b) Install a cover on the drain to prevent stormwater ingress; and (c) Replace concrete sump outlet pipework with 2 m of 110 mm PVC pipe.	As labelled in Map 2, Schedule 1: Fellmongering shed	Before 31 January 2022
3	Fellmongering wastewater evaporation pond	(a) Designed with a minimum capacity of 4.3 m^3; and (b) Lined with a minimum 1 mm thick HDPE liner that has a coefficient of permeability of less than 2 x 10^{-10} m/s; and (c) Constructed with a raised pond embankment to prevent ingress of overland stormwater into the pond.	As labelled in Map 2, Schedule 1: Fellmongering evaporation pond	Before 31 January 2022
Abattoir				
4	Kerbing and bunding around on high bay area hardstand	(a) Installed to prevent clean stormwater runoff entering the high bay area; (b) Repair all pot-holes and cracks in the hardstand area.	As labelled in Map 2, Schedule 1: High Bay area	Before 31 March 2023
5	Fully enclosed foetal blood &	Wastewater drainage channels installed to	As labelled in Map 2, Schedule 1:	Before 31

	tripe room- sealed and bunded flooring	transfer all wash down water to the wastewater treatment system.	Proposed foetal blood & tripe room Proposed boning room	March 2023
6	Fully enclosed boning room – sealed and bunded flooring			
Wastewater treatment				
7	Sediment Trap	(a) Designed to screen solids from wastewater generated in the slaughterhouse, lairage and high bay area prior to wastewater entering anaerobic pond 1; and (b) Designed to enable maintenance and cleaning without taking the trap offline.	Between concrete sump 4 and the anaerobic ponds	Before 31 March 2023
Groundwater monitoring wells				
8	Groundwater monitoring wells MW1 and MW2	<u>Well design and construction:</u> Designed and constructed in accordance with *ASTM D5092/D5092M-16: Standard practice for design and installation of groundwater monitoring bores*. Wells must be constructed with a screened interval from the water table to a depth of 2 m below the water table and 1 m above the water table.	As depicted in Map 3, Schedule 1	Must be constructed, developed (purged), and determined to be operational by 30 April 2022.
		<u>Well construction log:</u> Well construction details must be documented within a well construction log to demonstrate compliance with *ASTM D5092/D5092M-16*. The construction logs shall include elevations of the top of casing position to be used as the reference point for water-level measurements, and the elevations of the ground surface protective installations.		
		<u>Well development:</u> All installed monitoring wells must be developed after drilling to remove fine sand, silt, clay and any drilling mud residues from around the well screen to ensure the hydraulic functioning of the well. A detailed record should be kept of well development activities and included in the well construction		

		log.		
		Installation survey: the vertical (top of casing) and horizontal position of each monitoring well must be surveyed and subsequently mapped by a suitably qualified surveyor.		
		Well network map: a well location map (using aerial image overlay) must be prepared and include the location of all monitoring wells in the monitoring network and their respective identification numbers.		

3. The licence holder must within 30 calendar days of an item of infrastructure or equipment required by Condition 2 being installed:

(a) undertake an audit of their compliance with the requirements of Condition 2; and
(b) prepare and submit to the CEO an Environmental Compliance Report on that compliance.

4. The Environmental Compliance Report required by Condition 3 must include as a minimum the following:

(a) certification that each item of infrastructure or component(s) thereof, as specified in Condition 2, have been constructed in accordance with the relevant requirements specified in Condition 2;
(b) as constructed plans and a detailed site plan for each item of infrastructure or component of infrastructure specified in Condition 2; and
(c) be signed by a person authorised to represent the licence holder.

Stormwater Management

5. The licence holder must submit to the CEO by 31 October 2022, a Stormwater Management Strategy that shall include, but not be limited to:

(a) detail on proposed measures, including infrastructure and operational controls, to prevent clean stormwater from entering the lairage yards/holding pens, the high bay area and the wastewater treatment ponds;
(b) detail on how diverted clean stormwater will be managed or disposed;
(c) detail on how runoff in the uncovered holding pens and livestock overflow yards will be managed or disposed; and
(d) timeframes for the installation / construction and completion of any proposed stormwater control infrastructure.

Waste Management

6. The licence holder must ensure wastes produced on the premises are subject to the on-site process requirements described in Table 3.

Table 3 On-site management and disposal of waste material

Waste type	Disposal method	Process requirements
Treated wastewater from	Irrigation to irrigation area	(a) No irrigation during the month of July

Waste type	Disposal method	Process requirements
final aerobic pond	(L1)	(b) No irrigation generated run-off, spray drift or discharge occurs beyond the irrigation area boundary; (c) No soil erosion or ponding of wastewater occurs; (d) Wastewater is evenly distributed over the irrigation area with a locations and daily run-times of the irrigator recorded in a logbook; (e) No stock held in the irrigation area; (f) Record on a weekly basis the irrigation flow meter reading; (g) Record any other nutrient sources (such as compost or fertilizer) applied to the irrigation area; and (h) Record annual crop mass (hay) harvested from irrigation area in tonnes.
Paunch material	Application of solid waste to land (T1) or transported off-site for disposal	(a) Paunch material to have all free-flowing liquid removed prior to being transported to and applied to the solid waste disposal area (T1); (b) All drained liquid is to be directed to the wastewater treatment system; (c) Paunch may be applied to twelve sub-areas within the solid waste disposal area, at a rate of not more than 30 tonnes per sub-area per annual period; (d) Record on a weekly basis the paunch mass (kg) applied to the solid waste disposal area (T1); and (e) Paunch that is to be removed off-site must be stored in fully enclosed bins on sealed hardstand prior to off-site disposal.
Manure collected from lairage	Transported off-site	(a) Must be stored in bins situated on sealed concrete hardstand prior to off-site disposal; and (b) Removed from the premises monthly.
Animal by-products including fat, offal and bone		Must be stored in containers on sealed hardstand pending daily dispatch from the premises.
Sludge excavated from the wastewater treatment ponds		Stored only on the sludge drying bed prior to off-site disposal

Emissions and discharges

7. The licence holder must ensure that where paunch and wastewater is applied to land from the emission point reference listed in Table 4 the corresponding parameters do not exceed the corresponding limits during the corresponding timeframe when monitored in accordance with condition 9.

Table 4 Emission limits to land

Emission point reference	Parameter	Limit	Commencement Date
L1	Total Nitrogen	240 kilograms/hectare/annual period	From date of this amendment until 30 September 2023
		90 kilograms/hectare/annual period	From 1 October 2023
	Total Phosphorus	20 kilograms/hectare/annual period	From 9 February 2022
	Biochemical Oxygen Demand	30 kilograms/hectare/day	
T1	Paunch material	30,000 kg/sub-area/annual period	

Monitoring

General monitoring

8. 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 soil sampling is conducted in accordance with AS/NZS 4482.1; and
(e) all laboratory samples are submitted to and tested by a laboratory with current NATA accreditation for the parameters being measured.

Monitoring of emissions to land

9. The licence holder must monitor emissions in accordance with the requirements specified in Table 5 and record the results of all such monitoring.

Table 5 Emissions monitoring

Discharge point	Monitoring location	Parameter	Frequency	Averaging period	Unit
M1 – flow meter on outgoing irrigation pipe as shown in Map 2, Schedule 1	Flow meter	Volumetric flow rate (wastewater)	Continuous when discharging	Daily	kl/day
L1 – Irrigation area	Oxidation pond (wastewater)	pH[1]	Monthly (minimum 15 days apart)	Spot sample	No unit
		Total nitrogen			mg/L
		Total phosphorus			
		Biochemical oxygen demand			
		Total dissolved solids			
		Total alkalinity			
		Volatile fatty acids			

Discharge point	Monitoring location	Parameter	Frequency	Averaging period	Unit
		Sodium ions			mmole/L
		Calcium ions			
		Magnesium ions			

Note 1: In field non-NATA accredited analysis permitted for pH

Soil monitoring

10. The licence holder must undertake the soil sampling in Table 6 and record all the results of such monitoring specified in that table.

Table 6 Soil monitoring requirements

Monitoring location as referenced in Map 3 and Map 4, Schedule 1	Parameter	Frequency	Unit	Averaging period
Irrigation area (L1)				
Surface samples: SS1 – SS3[1] Soil profile samples: SP1 – SP3[2]	pH[3]	Every two years, commencing in 2022	-	Spot sample
	Electrical conductivity[3]		µS/cm	
	Total Nitrogen (TN)		mg/kg	
	Nitrate-N			
	Total Phosphorus (TP)			
	Available Phosphorus			
	Exchangeable sodium %		%	
	Phosphorus sorption capacity		Kg/ha	
Solid waste disposal area (T1)				
Surface samples: SS4[1] Soil profile samples: SP4 – SP5[2]	pH[3]	Every two years, commencing in 2022	-	Spot sample
	Total Nitrogen (TN)		mg/kg	
	Nitrate-N			
	Total Phosphorus (TP)			
	Available Phosphorus			
	Phosphorus sorption capacity		Kg/ha	

Note 1: SS1 to SS4 are to be composite samples, each made up of a minimum 5 soil samples collected from a depth of 0-10 cm along the transects displayed on Maps 3 and 4: Schedule 1.

Note 2: SP1 to SP5 are to be composite samples, each made up of 5 bores within a 5 m diameter, with soil samples collected from a depth of 0-20 cm, 20-40 cm, 40-70 cm, and 70-100 cm in each bore. One composite sample is to be taken per irrigation area.

Note 3: In field non-NATA accredited analysis permitted for pH and electrical conductivity.

Groundwater monitoring

11. The licence holder must undertake the groundwater sampling in Table 7 and record all the results of such monitoring specified in that table.

Table 7 Groundwater monitoring requirements

Monitoring well location as referenced in Map 3, Schedule 1	Parameter	Frequency	Unit	Averaging period
MW1 and MW2 (once installed)	Standing water level	Post-dry season: • 1 sample collected between 1 February – 30 March Post-wet season: • 1 sample collected between 1 September – 30 October	m(AHD) mBGL	Spot sample
	pH		-	
	Electrical conductivity		µS/cm	
	Total dissolved solids (TDS)		mg/L	
	Major ions (sodium, potassium, calcium, magnesium, bicarbonate, sulfate, chloride);			
	Total nitrogen			
	Ammonia nitrogen			
	Nitrite plus nitrate nitrogen			
	Total phosphorus			

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

Records and reporting

12. The licence holder must record the following information in relation to complaints received by the licence holder (whether received directly from a complainant or forwarded to them by the Department or another party) about any alleged emissions from the premises:

(a) the name and contact details of the complainant, (if provided);
(b) the time and date of the complaint;
(c) the complete details of the complaint and any other concerns or other issues raised; and
(d) the complete details and dates of any action taken by the licence holder to investigate or respond to any complaint.

13. 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 30 days after the end of that annual period an Annual Audit Compliance Report in the approved form.

14. 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 works conducted in accordance with condition 2 of this licence;
(c) any maintenance of infrastructure that is performed in the course of complying with condition 2 of this licence;
(d) monitoring programmes undertaken in accordance with conditions 9, 10 and 11 of this licence; and
(e) complaints received under condition 12 of this licence.

15. The books specified under condition 14 must:

(a) be legible;
(b) if amended, be amended in such a way that the original version(s) and any subsequent amendments remain legible and are capable of retrieval;
(c) be retained by the licence holder for the duration of the licence; and
(d) be available to be produced to an inspector or the CEO as required.

16. The licence holder must submit to the CEO by no later than 30 calendar days after the end of each annual period, an Annual Environmental Report for that annual period for the conditions listed in Table 8, and which provides information in accordance with the corresponding requirement(s) set out in Table 8.

Table 8 Annual Environmental Report

Condition	Requirement
-	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.
6	Annual weight of crop mass (hay) harvested from irrigation area (in tonnes)
7	Annual weight (in kg) of dried paunch applied to each sub-area within the solid waste disposal area (T1)
9	Wastewater monitoring: (a) Volume (in m^3 or kL) of treated wastewater applied daily to each irrigation area, and monthly cumulative volumes presented in table format; (b) Treated wastewater monitoring data in tabulated and graphical form including the sampling date; (c) Tabulated monthly and annual loadings of nitrogen, phosphorus and BOD applied to the irrigation area, including an explanation of the basis for determining loading rates; and (d) Review, assessment, and interpretation of the data including comparison to historical trends.
10 and 11	Soil and groundwater monitoring: (a) Data; and (b) Review, assessment, and interpretation of the data including comparison to historical trends.
-	(a) Number and live weight tonnages of cattle and sheep received for slaughter (monthly totals) (b) Number of skins treated and untreated skins leaving the premises; (c) Kilograms of abattoir processing bi-product waste and deceased animals removed from the premises for disposal or processing; and (d) Kilograms of dried pond sludge removed from the premises for disposal.
12	Complaint's summary
13	Annual Audit Compliance Report

Definitions

In this licence, the terms in Table 9 have the meanings defined.

Table 9: Definitions

Term	Definition
ACN	Australian Company Number
Annual Audit Compliance Report	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	a 12 month period commencing from 1 October until 30 September of the immediately following year.
AS/NZS 4482.1	means the Australian Standard *AS/NZS 4482.1 Guide to the investigation and sampling of sites with potentially contaminated soil Non-volatile and semi-volatile compounds*
AS/NZS 5667.1	means the Australian Standard *AS/NZS 5667.11 Water quality - sampling - guidance on the design of sampling programs, sampling techniques and the preservation and handling of samples.*
AS/NZS 5667.10	means the Australian Standard *AS/NZS 5667.11 Water quality - sampling - guidance on sampling of waste waters*
AS/NZS 5667.11	means the Australian Standard *AS/NZS 5667.1 Water quality - sampling - guidance on sampling groundwater.*
ASTM D5092/D5092M-16	means the ASTM international standard for *Standard practice for design and installation of groundwater monitoring wells (Designation: ASTM D5092/D5092M-16)*, as amended from time to time.
books	has the same meaning given to that term under the EP Act.
CEO	means Chief Executive Officer of the Department. "submit to / notify the CEO" (or similar), means either: Director General Department administering the *Environmental Protection Act 1986* Locked Bag 10 Joondalup DC WA 6919 or: info@dwer.wa.gov.au
condition	a condition to which this licence is subject under section 62 of the EP Act.
Department	means the department established under section 35 of the *Public Sector Management Act 1994* (WA) and designated as responsible for the administration of the EP Act, which includes Part V Division 3.
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.

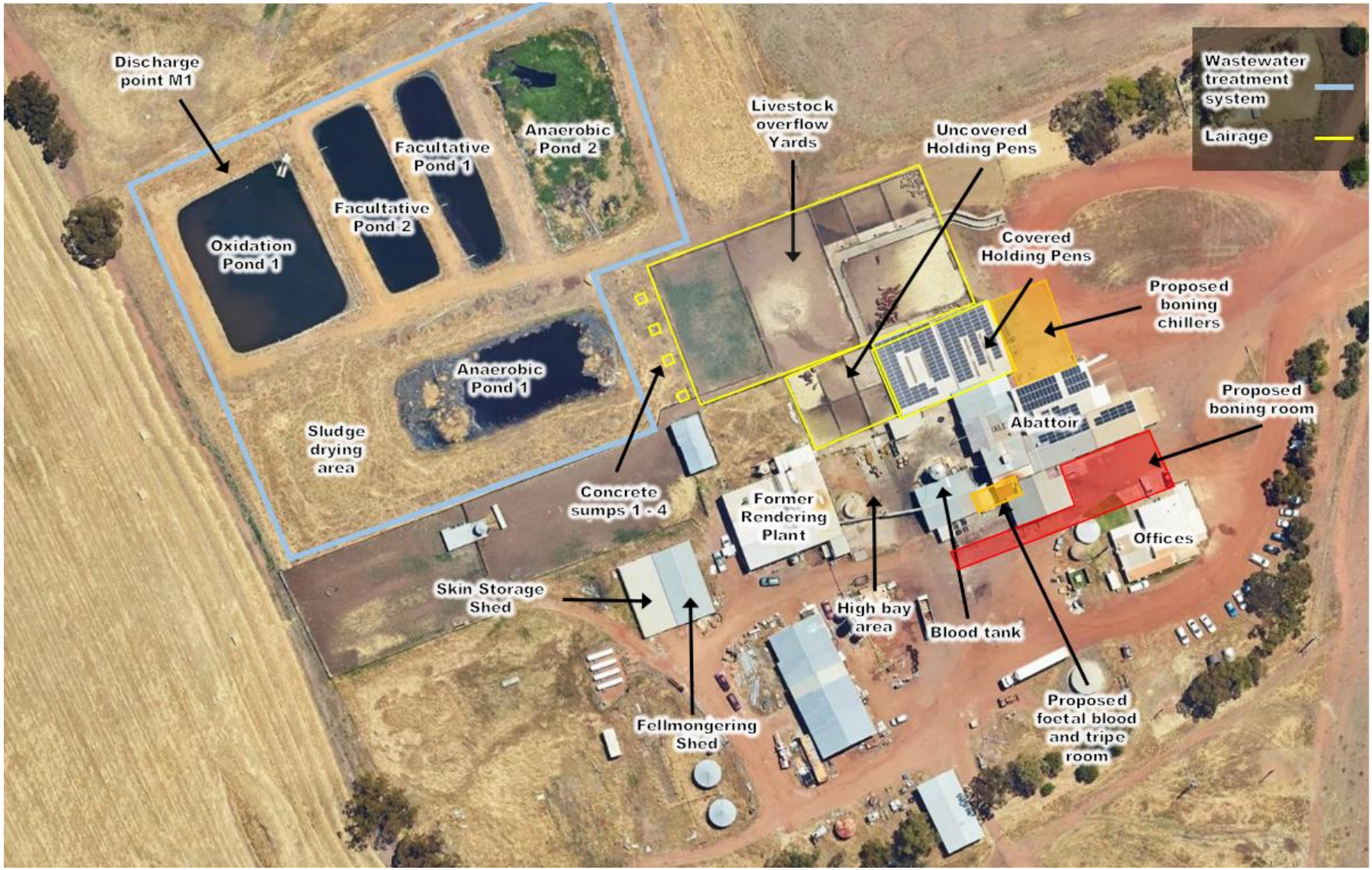
Term	Definition
licence	refers to this document, which evidences the grant of a licence by the CEO under section 57 of the EP Act, subject to the specified conditions contained within.
licence holder	refers to the occupier of the premises, being the person specified on the front of the licence as the person to whom this licence has been granted.
NATA	means the (Australian) National Association of Testing Authorities.
premises	refers to the premises to which this licence applies, as specified at the front of this licence and as shown on the premises map 1 in Schedule 1 to this licence.
waste	has the same meaning given to that term under the EP Act.

END OF CONDITIONS

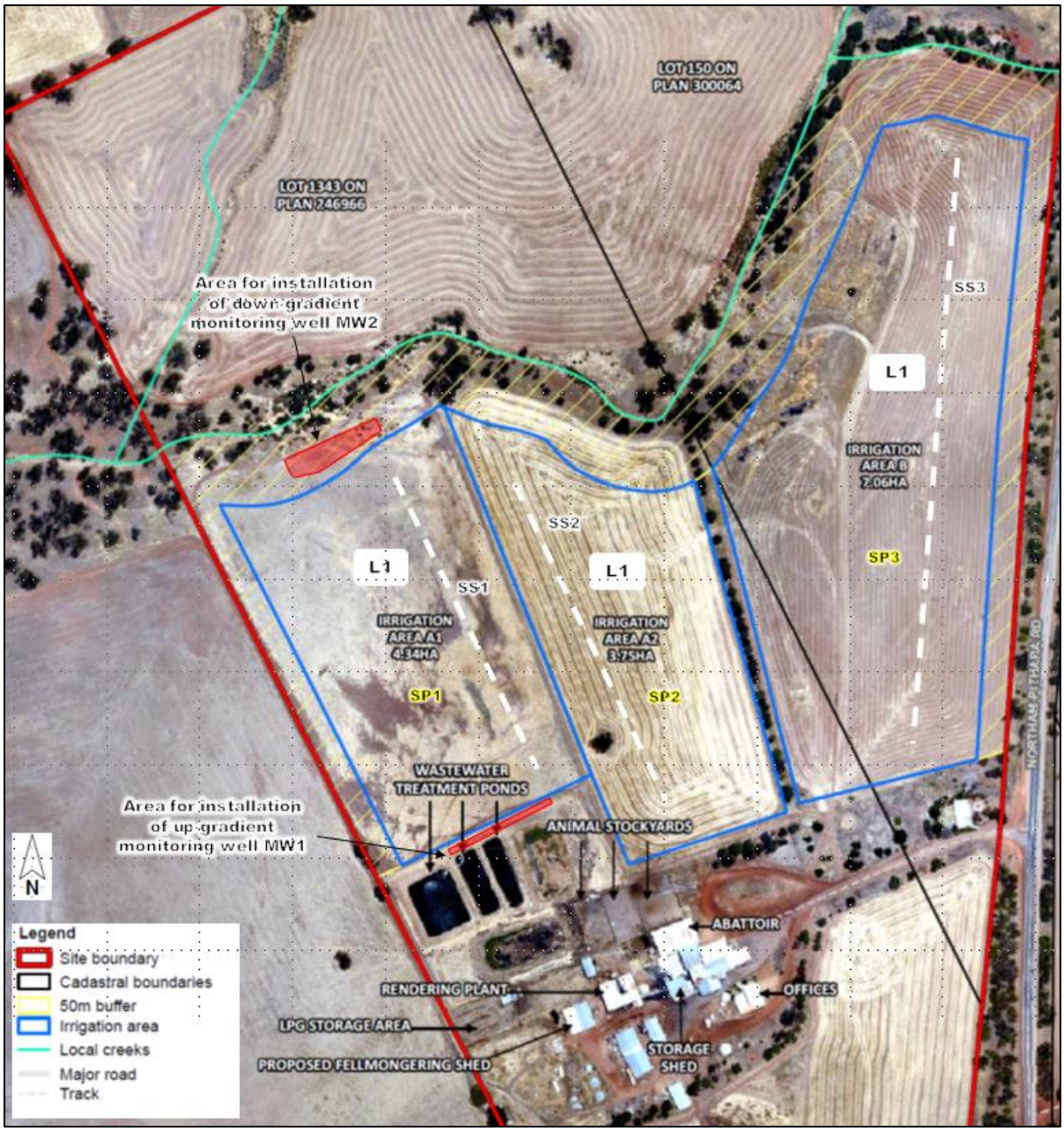
Schedule 1: Maps

Map 1: Premises boundary

Map 2: Key premises infrastructure



Map 3: Authorised irrigation area, soil sampling sites and proposed groundwater monitoring bore locations



Map 4: Solid waste disposal area soil sampling sites