



Licence number	L5724/1993/11
Licence holder	Westpork Pty Ltd
ACN	009 148 789
Registered business address	Unit 1, 7 Foundry Road MAYLANDS WA 6051
DWER file number	DER2015/000045-1
Duration	31/05/2012 to 12/06/2027
Date of amendment	16/08/2022
Premises details	Mindarra Farm Piggery 1340 Wannamal Road BOONANARRING Legal description - Lot 10 on Diagram 80101 As defined by the coordinates in Schedule 1

Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations 1987</i>)	Assessed production capacity
Category 2: Intensive piggery: premises on which pigs are fed, watered and housed in pens	No more than 65,000 pigs

This licence is granted to the licence holder, subject to the attached conditions, on 16 August 2022, by:

Caron Goodbourn
Manager Process Industries
Regulatory Services

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

Licence history

Date	Reference number	Summary of changes
16/06/1993	W958/1993/1	Initial construction of the piggery.
27/10/1997	W2097/1993/1	Construction of piggery.
15/05/2000	L5724/1993/1	New licence issued.
18/10/2000	W3208/2000/1	Works approval issued.
19/01/2004	W3861/2004/1	Works approval issued.
16/05/2006	W4209/2006/1	Works approval issued for the construction of Mindarra 4 piggery and associated wastewater treatment system.
13/02/2012	W5087/2011/1	Construction of two anaerobic ponds with sludge extraction systems at Mindarra 4 complex. Closed out.
26/07/2016	L5724/1993/11	Licence amendment to install an anaerobic digester and biogas capture for combustion. Application withdrawn 5 July 2017.
21/11/2016	W5632/2014/1	Amendment Notice 1: Reference to the construction for 3 additional ponds removed from works approval W5632/2014/1.
17/05/2018	W6114/2017/1	Works Approval application to construct an evaporation pond at Mindarra 4 Complex. Works completed. Closed out.
13/11/2018	L5724/1993/11	Amendment Notice 1: Amend the licence to include the operation of the third evaporation pond.
16/08/2022	L5724/1993/11	<p>Amendment application seeking to amend the current boundaries for licence L5724/1993/11 to exclude the operational areas of the composting facility, in particular the lined pond that forms part of the composting operation but is not used by the piggery. This portion is operated under W5632/2014/1 and currently the subject of a licence application (L9317/2022/1).</p> <p>Administrative changes to revise the licence into the Department's current format.</p>

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

- 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 Table 1.

Table 1: Infrastructure and equipment requirements

	Site infrastructure and equipment	Operational requirements	Infrastructure location
1.	<p>Mindarra 1 (sow breeder unit) with a maximum holding capacity of 3,800 pigs including suckers, consisting of the following:</p> <p>4x conventional sheds: 2x dry sow sheds 2x wet sow sheds</p> <p>4x deep litter sheds</p> <p>2-stage wastewater treatment system consisting of: Clay-lined anaerobic pond Clay-lined evaporative pond</p>	<p><u>Wastewater treatment system</u></p> <ol style="list-style-type: none"> all wastewaters from piggery operations must be directed to the wastewater treatment system; all stormwater must be diverted away from the ponds; pond embankments must be maintained to prevent erosion; A minimum top of embankment freeboard of at least 0.5m must be maintained on all ponds to prevent overtopping; for all ponds other than anaerobic ponds, vegetation (emergent or otherwise) must be prevented from growing in the pond wastewaters or on the inner pond embankments; <p><u>Solid waste management</u></p> <ol style="list-style-type: none"> manure, spent bedding and wastewater treatment pond sludge must be stored on a bunded pad area able to contain all leachate prior to composting or removal offsite to a facility authorised to accept this waste type. 	<p>Labelled as: Mindarra 1 in Schedule 1, Figure 1</p>
2.	<p>Mindarra 2 (grow out facility) with a maximum holding capacity of 10,800 pigs including weaners and finishers, consisting of the following:</p> <p>120x deep litter weaner/finisher sheds of size 22m x 9m</p> <p>Compacted clay-lined bunded pad area of size 35m x 140m</p>	<p><u>Solid waste management</u></p> <ol style="list-style-type: none"> manure, spent bedding and wastewater treatment pond sludge must be stored on a bunded pad area able to contain all leachate prior to composting or removal offsite to a facility authorised to accept this waste type. 	<p>Labelled as: Mindarra 2 in Schedule 1, Figure 1</p> <p>Clay-lined pad labelled as Area 2 and outlined in blue in Schedule 1, Figure 2</p>

	Site infrastructure and equipment	Operational requirements	Infrastructure location
3.	<p>Mindarra 3 (sow multiplier unit) with a maximum holding capacity of 6,500 pigs including finishers and suckers, consisting of the following:</p> <p>4x conventional sheds 3x deep litter sheds Compacted clay-lined bunded pad area of size 35m x 45m Wastewater treatment system consisting of:</p> <p>Clay-lined anaerobic pond 2x Clay-lined evaporative ponds</p>	<p><u>Wastewater treatment system</u></p> <ol style="list-style-type: none"> all wastewaters from piggery operations must be directed to the wastewater treatment system; all stormwater must be diverted away from the ponds; pond embankments must be maintained to prevent erosion; A minimum top of embankment freeboard of at least 0.5m must be maintained on all ponds to prevent overtopping; for all ponds other than anaerobic ponds, vegetation (emergent or otherwise) must be prevented from growing in the pond wastewaters or on the inner pond embankments; <p><u>Solid waste management</u></p> <ol style="list-style-type: none"> Manure, spent bedding and wastewater treatment pond sludge must be stored on a bunded pad area able to contain all leachate prior to composting or removal offsite to a facility authorised to accept this waste type. 	<p>Labelled as: Mindarra 3 in Schedule 1, Figure 1</p> <p>Clay-lined pad labelled as Area 3 and outlined in blue in Schedule 1, Figure 2</p>
4.	<p>Mindarra 4 (grow out facility) with a maximum holding capacity of 55,000 pigs, consisting of the following:</p> <p>17x tunnel ventilated grower sheds 1x controlled environment weaner shed 1x sorting shed Each shed of size 76m x 25m Concrete pad of size 15m x 20m Wastewater treatment system consisting of:</p> <p>Concrete mixing tank with diameter 11m and capacity 136kL 2x solid separation screw presses 1.5mm HDPE lined anerobic pond 1 – 102m x 47m x 7.4m (depth) with minimum holding capacity of 26,985m³ (excluding 500mm freeboard)</p>	<p><u>Wastewater treatment system</u></p> <ol style="list-style-type: none"> all wastewater from sheds must be directed through the concrete mixing tank and pumped through the screw press separators to remove solids prior to discharge into the ponds; all stormwater must be diverted away from the ponds; pond embankments must be maintained to prevent erosion; A minimum top of embankment freeboard of at least 0.5m must be maintained on all ponds to prevent overtopping; for all ponds other than anaerobic ponds, vegetation (emergent or otherwise) must be prevented from growing in the pond wastewaters or on the inner pond embankments; 	<p>Labelled as: Mindarra 4 in Schedule 1, Figure 1</p> <p>Concrete pad labelled as Area 1 and outlined in blue in Schedule 1, Figure 2</p> <p>Evaporation pond 2 labelled as pond 2 with dimensions specified in Schedule 1, Figure 2</p>

	Site infrastructure and equipment	Operational requirements	Infrastructure location
	<p>1mm HDPE lined anaerobic pond 2 – 120m x 45m x 7m (depth) with minimum holding capacity of 29,122m³ (excluding 500mm freeboard)</p> <p>1mm HDPE lined anaerobic pond 3 – 120m x 45m x 7m (depth) with minimum holding capacity of 29,122m³ (excluding 500mm freeboard)</p> <p>1mm HDPE lined reactor lagoon – 41m x 47m x 6.5m (depth) with minimum holding capacity of 5,774m³ (excluding 500mm freeboard)</p> <p>1mm HDPE lined facultative pond – 150m x 66m x 4.5m (depth) with minimum holding capacity of 34,524m³</p> <p>1mm HDPE lined evaporation pond 1 of size 150m x 125m with depth grades of 1m to 4.5m and minimum holding capacity 32,736m³</p> <p>1x 1.5mm HDPE lined evaporation pond 2 with depth grades of 1m to 4.5m and a minimum holding capacity of 88,220m³ (excluding 500mm freeboard)</p>	<p><u>Solid waste management</u></p> <p>f. manure, spent bedding and wastewater treatment pond sludge must be stored on a bunded pad area able to contain all leachate prior to composting or removal offsite to a facility authorised to accept this waste type.</p>	
5.	<p>Wastewater irrigation area (5.5ha) consisting of:</p> <p>M1 - 2.75ha</p> <p>M3 – 2.75ha</p> <p>100 series Big Gun portable pivot end sprinkler mounted on a travelling mount</p>	<p>a. irrigated wastewater is only to be sourced from evaporation pond 2;</p> <p>b. irrigated wastewater must be evenly distributed over the irrigation areas;</p> <p>c. irrigation of wastewater must not cause ponding or erosion over the irrigation area;</p> <p>d. irrigated wastewater must only be applied to a healthy seasonal crop in the irrigation area;</p> <p>e. no irrigation generated run-off, spray drift or discharge must occur beyond the boundaries of the premises;</p> <p>f. irrigation must not occur in areas where the water table rises to within 1m of the surface during the period of irrigation;</p>	<p>Labelled as: M1 and M3 and defined by the coordinates in Schedule 1, Figure 2</p> <p>Evaporation pond 2 labelled as Pond 2 in Schedule 1, Figure 2</p>

	Site infrastructure and equipment	Operational requirements	Infrastructure location
		g. bunding/cut-off drains must be maintained adjacent to wastewater irrigation areas such that run-off only discharges to a designated location; h. a maximum nitrogen loading of 140kg per irrigated hectare per annual period must not be exceeded; i. a maximum phosphorus loading of 10kg per irrigated hectare per annual period must not be exceeded.	
6.	Carcass burial pits Area 1 located in Mindarra 2 of size 50m x 20m Area 2 located in Mindarra 3 of size 50m x 10m	a. animal carcasses must either be disposed of on-site within burial pits, or off-site to a licensed rendering facility; b. carcasses must be covered with at least 500mm of soil immediately after being disposed of in any burial pit.	Outlined in red and labelled as Area 1 and Area 2 in Schedule 1, Figure 2
7.	Bunded pond sludge storage areas Area 1 located in Mindarra 4 of size 15m x 20m (bunded concrete pad) Area 2 located in Mindarra 2 of size 35m x 140m (bunded compacted clay-lined pad)	a. bunding must be maintained to ensure all leachate and potentially contaminated stormwater is contained within the storage area; b. leachate collected in the sludge storage area must be returned to a wastewater treatment system to prevent overtopping; c. sludges removed from wastewater ponds must be stored in this area prior to composting or removal offsite to a facility authorised to accept this waste type.	Outlined in blue and labelled as Area 1 and Area 2 in Schedule 1m, Figure 2

Monitoring

2. The licence holder must undertake the monitoring of inputs and outputs as specified in Table 2.

Table 2: Monitoring of inputs and outputs

Input/output	Units	Monitoring frequency
The maximum number of pigs held on-site at each piggery unit	SPU	Monthly
The cumulative volume of wastewaters discharged to each irrigation area at M1 and M3	Litres	Quarterly
The volume of treated wastewater recycled for shed flushing (an estimate is acceptable)		

3. The licence holder must undertake sampling and analysis of waters and wastewaters as specified in Table 3.

Table 3: Wastewater and water supply monitoring requirements

Monitoring location	Parameter	Units	Monitoring frequency	Method
Evaporation pond 2 (labelled as pond 2 in Schedule 1, Figure 2)	pH ¹	No units	Monthly (when irrigation is occurring)	Spot sample, in accordance with AS/NZS 5667.11
	total dissolved solids	mg/L		
	biochemical oxygen demand (5 day)			
	total inorganic nitrogen			
	total phosphorus			
Piggery water supply bores (as labelled in Schedule 1, Figure 2)			Annually at water supply bores (during the month of June)	

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

4. The licence holder must ensure all laboratory samples are submitted to and tested by a laboratory with current NATA accreditation for the parameters being measured unless indicated in the relevant table.

Records and reporting

5. The licence holder must inform the CEO no less than 14 days prior to the desludging of any wastewater ponds at the premises.
6. 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.
7. The licence holder must:
 - (a) prepare an Environmental Report that provides information in accordance with the requirements set out in Table 4 for the preceding two annual periods, and
 - (b) submit that Environmental Report to the CEO by no later than 1 August 2023 and by 1 August in every second year thereafter.

Table 4: Environmental Report

Condition	Parameter	Format or form
-	Summary of any failure or malfunction of any pollution control equipment and any environmental incidents that have occurred during the biennial period and any action taken	None specified
Condition 3	(a) Laboratory data sheets for monthly and annual monitoring in accordance with Table 3. (b) A tabulated summary of monitoring results (c) An interpretation of monitoring data results including comparison to historical trends	Time series graph format where applicable
Condition 2	Inputs and outputs data	None specified
Condition 8	Compliance	Annual Audit Compliance Report (AACR)
Condition 6	Complaints summary	None specified

8. 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 September, an Annual Audit Compliance Report in the approved form.
9. 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) any maintenance of infrastructure that is performed in the course of complying with condition 1 of this licence;
 - (c) monitoring programmes undertaken in accordance with conditions 2 and 3 of this licence; and
 - (d) complaints received under condition 6 of this licence.
10. The books specified under condition 9 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.

Definitions

In this licence, the terms in Table 5 have the meanings defined.

Table 5: Definitions

Term	Definition
ACN	Australian Company Number
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	a 12-month period commencing from 1 July until 30 June of the immediately following year.
AS/NZS 5667.1	means Australian/New Zealand Standard Water Quality – Sampling Part 1: Guidance on the design of sampling programs, sampling techniques and the preservation and handling of samples.
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 <i>Environmental Protection Act 1986</i> Locked Bag 10 Joondalup DC WA 6919 or: info@dwer.wa.gov.au
Department	means the department established under section 35 of the <i>Public Sector Management Act 1994</i> (WA) 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	<i>Environmental Protection Act 1986</i> (WA).
EP Regulations	<i>Environmental Protection Regulations 1987</i> (WA).
healthy seasonal crop	Means a living crop planted in irrigation areas M1 and M3 for the purposes of maximising nutrient uptake.
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.

Term	Definition
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.
Mindarra 1	means the operational area indicated in the premises map (Figure 1)
Mindarra 2	means the operational area indicated in the premises map (Figure 1)
Mindarra 3	means the operational area indicated in the premises map (Figure 1)
Mindarra 4	means the operational area indicated in the premises map (Figure 1)
monthly period	means the 12 one-month periods commencing from 1 st July until 31 st July followed by 1 st August until 31 st August and the one-month periods following.
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	refers to the premises to which this licence applies, as specified at the front of this licence and as shown on the premises map (Figure 1) in Schedule 1 to this licence.
prescribed premises	has the same meaning given to that term under the EP Act.
quarterly period	means the 4 inclusive periods from, 1 July to 30 September, 1 October to 31 December and in the following year, 1 January to 31 March and 1 April to 30 June.
SPU	means Standard Pig Units. One SPU is the equivalent of an average sized 'grower' pig which produces 90kg of volatile solids per year
waste	has the same meaning given to that term under the EP Act.

END OF CONDITIONS

Schedule 1: Maps

Premises map and boundary coordinates

The boundary of the prescribed premises is shown in the map below (Figure 1).

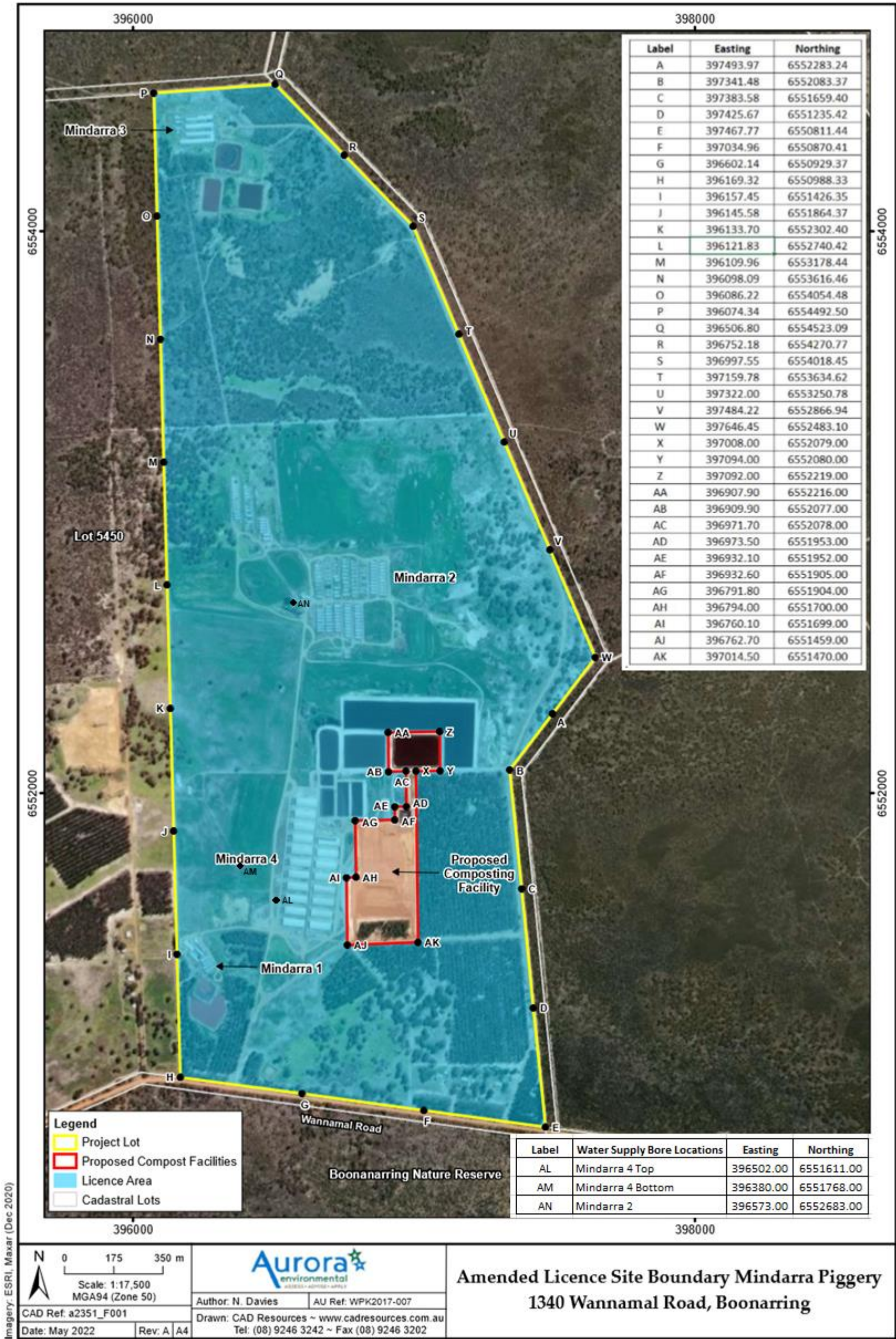


Figure 1: Map of the boundary of the prescribed premises

Premises infrastructure

The premises infrastructure is shown in the map below (Figure 2).



Figure 2: Map showing premises infrastructure