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|------------------------------------|--|------------|
| Licence number | L7930/2004/4 | |
| Licence holder | Minerva Foods Australia Pty Ltd | |
| ACN | 652 859 811 | |
| Registered business address | Unit 1, 58 Metroplex Avenue MURARRIE QLD 4172 | |
| DWER file number | DEC2278/1 | |
| Duration | 21/08/2011 | 20/08/2033 |
| Date of amendment | 15 November 2023 | |
| Premises details | Great Eastern Abattoir 15489 Great Eastern Highway NORTH TAMMIN WA 6409 Legal description - Lot 1 on Plan 225411 and Lot 8290 on Plan 121410 As defined by the premises map in Schedule 1 | |

| Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations 1987</i>) | Assessed production capacity |
|---|---|
| Category 15: Abattoir (sheep and goats) | Not more than 9,000 tonnes per annual period (liveweight) |

This licence is granted to the licence holder, subject to the attached conditions, on 15 November 2023, by:

Manager, Process Industries

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

Licence history

| Date | Reference number | Summary of changes |
|------------|------------------|---|
| 28/06/2004 | L7930/2004/1 | Licence granted. |
| 22/08/2005 | L7930/2004/2 | Licence renewed (administrative) |
| 21/08/2008 | L7930/2004/3 | Amended premises name from Tammin Abattoirs to Great Eastern Abattoirs. |
| 21/08/2011 | L7930/2004/4 | Transferred from De Quintal Property Holdings Pty Ltd to Westone Pty Ltd. |
| 13/06/2022 | L7930/2004/4 | Transferred from Westone Pty Ltd to Minerva Foods Australia Pty Ltd. |
| 15/11/2023 | L7930/2004/4 | Department initiated licence amendment to correct administrative errors, update licence format and resume requirement for annual reporting. |

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

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 requirement | Infrastructure location in Schedule 1, Figure 2 as |
|-----------------------------|--|---|--|
| Lairage yards | | | |
| 1 | 6 x uncovered lairage yards and 1x drafting pen constructed of in-situ soils. | (a) When in operation manure generated in this area must be collected daily and stored under cover. (b) All wastewater or contaminated runoff must be directed to the wastewater treatment system. (c) All wastewater or contaminated runoff must pass through a solids or similar device designed to reduce solids before the wastewater enters the wastewater treatment system. (d) There must be no direct or indirect discharge of contaminated stormwater to the Mortlock River or its tributaries. | DP LY1, LY2, LY3, LY4, LY5, LY6 Manure |
| Truck wash | | | |
| 2 | Truck wash down | (a) All truck wash down wastewater must be directed to the wastewater treatment system. | Trush wash |
| Slaughter operations | | | |
| 3 | Abattoir facility within an enclosed building(s) with concrete flooring and drainage | (a) All contaminated or potentially contaminated water resulting from the operation of the abattoir must be directed to the wastewater treatment system. (b) All wastewater must pass through a solids trap "save-all, screen, scraper or similar device designed to reduce solids loading into the wastewater treatment system. (c) All solids from screens, traps and other similar devices must be collected daily and stored in the waste storage area (WSA). (d) All collected blood from the slaughter process must be stored in the WSA. (e) All solid waste from the slaughter process (including heads, and hocks) must be collected and stored in the WSA. (f) All paunch materials from the slaughter process must be stored in a bunded impervious hardstand WSA. (g) All sheepskin salting and curing must be undertaken in an enclosed bunded concrete hardstand building. (h) All salt waste must be removed to the concrete bunded WSA prior to removal offsite to a waste facility that is licensed to accept this type of waste. | Processing WSA Salt waste |

| | Site infrastructure and equipment | Operational requirement | Infrastructure location in Schedule 1, Figure 2 as |
|---|--|--|---|
| Solid waste storage | | | |
| 4 | Waste storage area (WSA) - bunded concrete hardstand | (a) All solid animal waste must be stored within the WSA before being transported off-site to a waste disposal or rendering facility that is licensed to accept that waste or material. (b) No solid waste may be buried or spread onto land on the premises. | WSA |
| Wastewater treatment and disposal (irrigation) | | | |
| 5 | Wastewater treatment system consisting of: Sumps Clay lined anaerobic pond Clay lined aerobic pond(s) Clay lined pond Sampling point W1 | (a) The above-ground pipelines taking wastewater away from treatment ponds must be visually inspected twice weekly. (b) All wastewater must be treated by directing all wastewater from the sumps to the anaerobic ponds and into the aerobic ponds. (c) Clean stormwater must be diverted away from the ponds. (d) A minimum freeboard of 600 mm must be maintained on all wastewater treatment ponds. (e) A crust is maintained on the anaerobic ponds(s) to minimise the emission of odours and to enhance the breakdown of organic material. (f) A solids trap(s) must be installed and maintained on the overflow discharge point from the anaerobic ponds to prevent floating matter from entering the aerobic ponds. (g) Any floating material including floating matter and algal mats must be removed from the aerobic ponds. | Anaerobic pond P5 Aerobic ponds, P2, P3, P4 Pond P1 W1 |
| 6 | 57 ha wastewater irrigation area L1 | (a) Irrigation of wastewater must not result in soil erosion or ponding of treated effluent. (b) Irrigation must occur evenly over the designated irrigation area to promote healthy vegetation growth. (c) Irrigation must not be conducted so that spray and runoff does not cross into adjacent lots and reserves. | Infrastructure located in schedule 1 Figure 1 as L1 |

Waste and by-product storage and disposal

Blood – short term disposal

2. The licence holder may, with the approval from the CEO, dispose of blood using the following methods when the offsite disposal is not possible at all:
 - (a) blood may be discharged into the anaerobic pond at a rate of no greater than 50 litres per hour for a period of 30 days from the date of the first discharge into the anaerobic pond; and
 - (b) blood may be combined with sand or organic material (for example sawdust or grain waste) to form a solid waste which is then to be disposed of at a licensed landfill with the agreement of the landfill manager.
3. The licence holder shall:
 - (a) record the volume of blood discharged into the anaerobic pond each day;

- (b) undertake daily observations of the condition of the wastewater pond system, particularly with respect to odour; and
- (c) regulate the flow of blood into the anaerobic pond using a discharge control value.

Emissions and discharges

Irrigation discharge criteria

4. The licence holder must ensure that treated wastewater is only discharged via irrigation in accordance with the limits specified in Table 2.

Table 2: Nutrient loading limits

| Discharge point | Parameter | Loading limit |
|-----------------|------------------|-------------------------|
| as L1 (57 Ha) | Total N | 300 kg/ha/annual period |
| | Total P | 50 kg/ha/annual period |
| | BOD ₅ | 30 kg/ha/day |

Monitoring

5. The licence holder shall install and maintain suitable metering devices for measuring monthly cumulative volumes of:
 - (a) wastewater pumped to the anaerobic ponds (M1);
 - (b) stabilised wastewater discharged for irrigation (M2),
as shown in Schedule 1, Figure 2, as M1 and M2.
6. The licence holder must undertake wastewater monitoring in accordance with the requirements specified in Table 3 and record the results of all such monitoring.

Table 3: Treated wastewater discharge monitoring table

| Discharge point | Parameter | Frequency | Averaging period | Unit | Method |
|-------------------------|------------------|--|------------------|------|-------------|
| Final aerobic pond (W1) | pH | Every 3 months (December, March, June and September) | Spot sample | - | AS/NZS 5667 |
| | TSS | | | mg/L | |
| | TDS | | | | |
| | BOD ₅ | | | | |
| | Total nitrogen | | | | |
| | Total phosphorus | | | | |

7. The licence holder shall ensure that all water and wastewater samples are analysed in a NATA registered laboratory for the analysis of water and wastewaters in accordance with the current "Standard Methods for Examination of Water and wastewater- APHA-AWWA-WEF".

Records and reporting

8. 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.

9. 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 31 January each year an Annual Audit Compliance Report in the approved form.

10. The licence holder must submit to the CEO by no later than 31 January each year an Annual Environmental Report for that annual period for the conditions listed in Table 4, and which provides information in accordance with the corresponding requirement set out in Table 4.

Table 4: Annual Environmental Report

| Condition | Requirement |
|-----------|---|
| 3 | Tabulated blood waste data showing the volume of blood discharged to the anaerobic pond each day. |
| 4 | Summary of tabulated treated wastewater monitoring data showing the annual loads of total nitrogen, total phosphorus, and biological oxygen demand and explanation of load limits have been met. |
| 5 | Tabulated monitoring data showing the monthly flow volume of wastewater pumped to the anaerobic ponds. Tabulated monitoring data showing the monthly flow volume of stabilised wastewater discharged for irrigation. |
| 6 | Tabulated wastewater monitoring data results for the final aerobic pond showing concentrations of all parameters. |
| 8 | Summary of complaints |

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 | means a 12-month period commencing from 1 January until 31 December. |

| Term | Definition |
|---------------------|---|
| APHA-AWWA-WEF | means American Public Health Association (APHA), the American Water Works Association (AWWA) and the Water Environment Federation (WEF) |
| AS/NZS 5667 | means Australian Standard AS5667 Water quality-Sampling |
| BOD5 | means the amount of dissolved oxygen consumed in five days by biological processes breaking down organic matter. |
| 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) |
| lairage yard | means a pen for holding animals whilst awaiting slaughter. |
| 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. |
| mg/L | means milligrams per litre |
| monthly period | A one-month period commencing from the first day of a month until first day of the immediately following month. |
| 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 (Figure 1) in Schedule 1 to this licence. |
| prescribed premises | has the same meaning given to that term under the EP Act. |

| Term | Definition |
|---------|---|
| TDS | means total dissolved solids |
| TSS | means total suspended solids |
| Total N | means total nitrogen |
| Total P | means total phosphorus |
| waste | has the same meaning given to that term under the EP Act. |

END OF CONDITIONS

Schedule 1: Maps

Premises map

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



Figure 1: Map of the boundary of the prescribed premises outlined in pink, and irrigation area in red

Site layout map

The site layout of the infrastructure of the prescribed premises is shown in the map below (Figure 2).

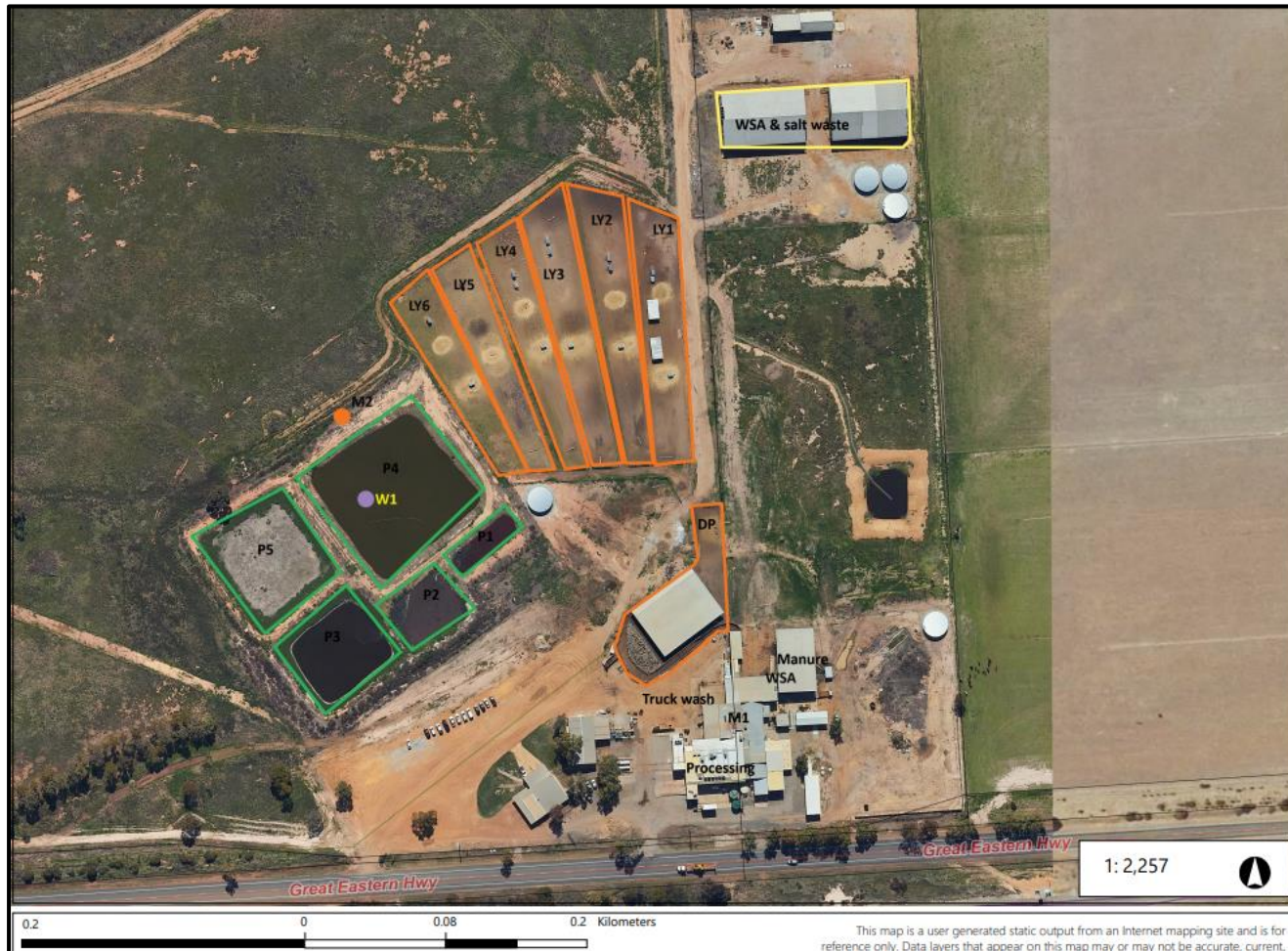


Figure 2: Site layout of the infrastructure.

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