



**Works approval number** W6483/2020/1

**Works approval holder** JD Organics Pty Ltd t/a Garden Organics

**ACN** 154 081 651

**Registered business address** Suite 5, 56 Creaney Drive, KINGSLEY WA 6026

**DWER file number** DER2015/000261-1~3

**Duration** 25/03/2021 to 24/03/2024

**Date of issue** 25/03/2021

**Premises details**  
Boonanarring Composting Facility  
276 Aurisch Road  
BOONANARRING WA 6026  
Legal description  
Lot 12 on Diagram 92147  
As defined by the coordinates in Schedule 2

Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations 1987</i> )	Assessed production / design capacity
<b>Category 61:</b> Liquid waste facility: premises on which liquid waste produced on other premises (other than sewerage waste) is stored, reprocessed, treated or irrigated.	5,000 tonnes per annum
<b>Category 61A:</b> Solid waste facility: premises (other than premises within category 67A) on which solid waste produced on other premises is stored, reprocessed, treated, or discharges onto land.	44,500 tonnes per annum
<b>Category 67A:</b> Compost manufacturing and soil blending: premises on which organic material (excluding silage) or waste is stored pending processing, mixing, drying or composting to produce commercial quantities of compost or blended soils.	49,500 tonnes per annum

This works approval is granted to the works approval holder, subject to the attached conditions, on 25 March 2021, by:

**Stephen Checker**  
**Manager, Waste Industries**

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

## Works approval history

Date	Reference number	Summary of changes
25/03/2021	W6783/2020/1	Issue of new works approval

## Interpretation

In this works approval:

- (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 works approval:
  - (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 works approval requires specific conditions to be met but does not provide any implied authorisation for other emissions, discharges, or activities not specified in this works approval.

# Works approval conditions

The works approval holder must ensure that the following conditions are complied with:

## Construction phase

### Infrastructure and equipment

1. The works approval holder must:
  - (a) construct the infrastructure;
  - (b) in accordance with the corresponding design and construction requirements; and
  - (c) at the corresponding infrastructure location.as set out in Table 1.

**Table 1: Design and construction requirements**

	Infrastructure	Size	Design and construction requirements	Infrastructure location
1.	Hardstand 3	2 ha	<p>The hardstand is to consist of the following elements to achieve a permeability of less than <math>1 \times 10^{-9}</math> m/s:</p> <ul style="list-style-type: none"><li>• Recycled asphalt of 100mm thickness;</li><li>• A 300 mm thick compacted gravel layer;</li><li>• A 400 mm thick layer of clayey fill;</li><li>• A prepared and compacted subgrade.</li></ul> <p>The hardstand is to be graded at a slope of 4% towards leachate pond 3</p>	As depicted in Schedule 1, Figure 1
2.	Earthen bund	0.5 m x 3 m	Designed to ensure all surface water flow is directed into leachate sump	Along southern side of hardstand number 3. As depicted in Schedule 1, Figure 1
3.	Limestone block wall	0.5 m x 0.4 m	To tie in with the earthen bund to ensure all surface water flow is directed into leachate sump	Along western side of hardstand number 3. As depicted in Schedule 1, Figure 1
4.	Leachate sump	10 0m x 5 m	Constructed of reinforced concrete	Between the hardstand and leachate sump. As depicted in Schedule 1, Figure 1
5.	Leachate	100 m x 30	The leachate pond is to consist of the	As depicted in

	Infrastructure	Size	Design and construction requirements	Infrastructure location
	pond 3	m with a capacity of 8,043 m <sup>3</sup>	following elements: <ul style="list-style-type: none"> <li>• 2.0 mm high density polyethylene (HDPE) geomembrane (smooth/black);</li> <li>• A prepared and compacted subgrade; and</li> <li>• Fitted with an aeration unit.</li> </ul>	Schedule 1, Figure 1
6.	Groundwater monitoring bore (MB8)	n/a	Designed and constructed in accordance with <i>ASTM D5092/D5092M-16: Standard practice for design and installation of groundwater monitoring bores.</i>	As depicted in Schedule 1, Figure 2

## Compliance reporting

2. The works approval holder must within 60 calendar days of an item of infrastructure required by condition 1 being constructed:
  - (a) undertake an audit of their compliance with the requirements of condition 1; and
  - (b) prepare and submit to the CEO an Environmental Compliance Report on that compliance.
3. The Environmental Compliance Report required by condition 2, must include as a minimum the following:
  - (a) certification by a Suitably Qualified Engineer that the items of infrastructure or component(s) thereof, as specified in condition 1, have been constructed in accordance with the relevant requirements specified in condition 1;
  - (b) as constructed plans and a detailed site plan for each item of infrastructure or component of infrastructure specified in condition 1; and
  - (c) be signed by a person authorised to represent the works approval holder and contains the printed name and position of that person.

## Time limited operations phase

4. The works approval holder may only commence time limited operations for an item of infrastructure identified in condition 1 where the Environmental Compliance Report as required by condition 2 has been submitted by the works approval holder for that item of infrastructure, unless condition 1 states that no Environmental Compliance Report is applicable for that item.
5. The works approval holder may conduct time limited operations for an item of infrastructure specified in condition 6
  - (a) for a period not exceeding 180 calendar days from the day the works approval holder meets the requirements of condition 4 for that item of infrastructure; or
  - (b) for a period not exceeding 180 calendar days from the issue of this works approval, where condition 1 states that no Environmental Compliance Report is applicable.

- (c) until such time, not exceeding the time period outlined in 5 (a), as approval under a licence for that item of infrastructure is granted in accordance with Part V of the *Environmental Protection Act 1986*.

### Time limited operations requirements

6. During time limited operations, the works approval holder must ensure that the premises infrastructure listed in Table 2 and located at the corresponding infrastructure location is maintained and operated in accordance with the corresponding operational requirement set out in Table 2.

**Table 2: Infrastructure and equipment requirements during time limited operations**

	Site infrastructure	Operational requirement	Infrastructure location
1.	Hardstand 3	Leachate must not pool on hardstand areas and leachate is to be wasted off the hardstand at the end of each working day.	As depicted in Schedule 1, Figure 1
2.	Earthen bund	Maintained to ensure it is capable of directing surface water into the leachate sump.	Along southern side of hardstand number 3.
3.	Limestone block wall	Maintained to ensure it is capable of directing surface water into the leachate sump.	Along western side of hardstand number 3.
4.	Leachate pond 3	A freeboard of at least 1m shall be maintained at all times; and An aerator must be operational 24 hours a day.	As depicted in Schedule 1, Figure 1
5.	Leachate sump	Must be capable of preventing solid particles, > 2 mm in size, from entering the leachate pond. Must be maintained free of accumulated sludge.	As depicted in Schedule 1, Figure 1
6.	Groundwater monitoring bore (MB8)	To be maintained in good working order	As depicted in Schedule 1, Figure 2

### Records and reporting (general)

7. The works approval holder must record the following information in relation to complaints received by the works approval 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 works approval holder to investigate or respond to any complaint.
8. The works approval holder must maintain accurate and auditable books including the following records, information, reports, and data required by this works approval:

- (a) the works conducted in accordance with condition 1;
- (b) any maintenance of infrastructure that is performed in the course of complying with condition 1;
- (c) complaints received under condition 7.

**9.** The books specified under condition 8 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 works approval holder for the duration of the works approval; and
- (d) be available to be produced to an inspector or the CEO as required.

## Definitions

In this works approval, the terms in Table 3 have the meanings defined.

**Table 3: Definitions**

Term	Definition
books	has the same meaning given to that term under the EP Act.
CEO	means Chief Executive Officer. CEO for the purposes of notification means: Director General Department administering the <i>Environmental Protection Act 1986</i> Locked Bag 10 Joondalup DC WA 6919 <a href="mailto:info@dwer.wa.gov.au">info@dwer.wa.gov.au</a>
Department	means the department established under section 35 of the <i>Public Sector Management Act 1994</i> and designated as responsible for the administration of Part V Division 3 of the EP Act.
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.
Environmental Compliance Report	means a report to satisfy the CEO that the conditioned infrastructure has been constructed in accordance with the works approval.
EP Act	<i>Environmental Protection Act 1986</i> (WA).
EP Regulations	<i>Environmental Protection Regulations 1987</i> (WA).
premises	the premises to which this works approval applies, as specified at the front of this works approval and as shown on the premises map (Figure 1) in Schedule 1 to this works approval.
prescribed premises	has the same meaning given to that term under the EP Act.
Suitably qualified engineer	means a person who: (a) demonstrates competency in the area of civil or structural engineering; and (b) has a minimum of at least three years working in the area of civil or structural engineering; and (c) is employed by an independent third party external to the Works Approval Holder's business; or is otherwise approved in writing by the CEO to act in this capacity.
time limited	refers to the operation of the infrastructure and equipment identified under this works approval that is authorised for that purpose, subject

<b>Term</b>	<b>Definition</b>
operations	to the relevant conditions.
waste	has the same meaning given to that term under the EP Act.
works approval	refers to this document, which evidences the grant of the works approval by the CEO under section 54 of the EP Act, subject to the conditions.
works approval holder	refers to the occupier of the premises being the person to whom this works approval has been granted, as specified at the front of this works approval.

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**END OF CONDITIONS**



## Schedule 1: Maps

The boundary of the prescribed premises and key infrastructure are shown in the map below (Figure 1).

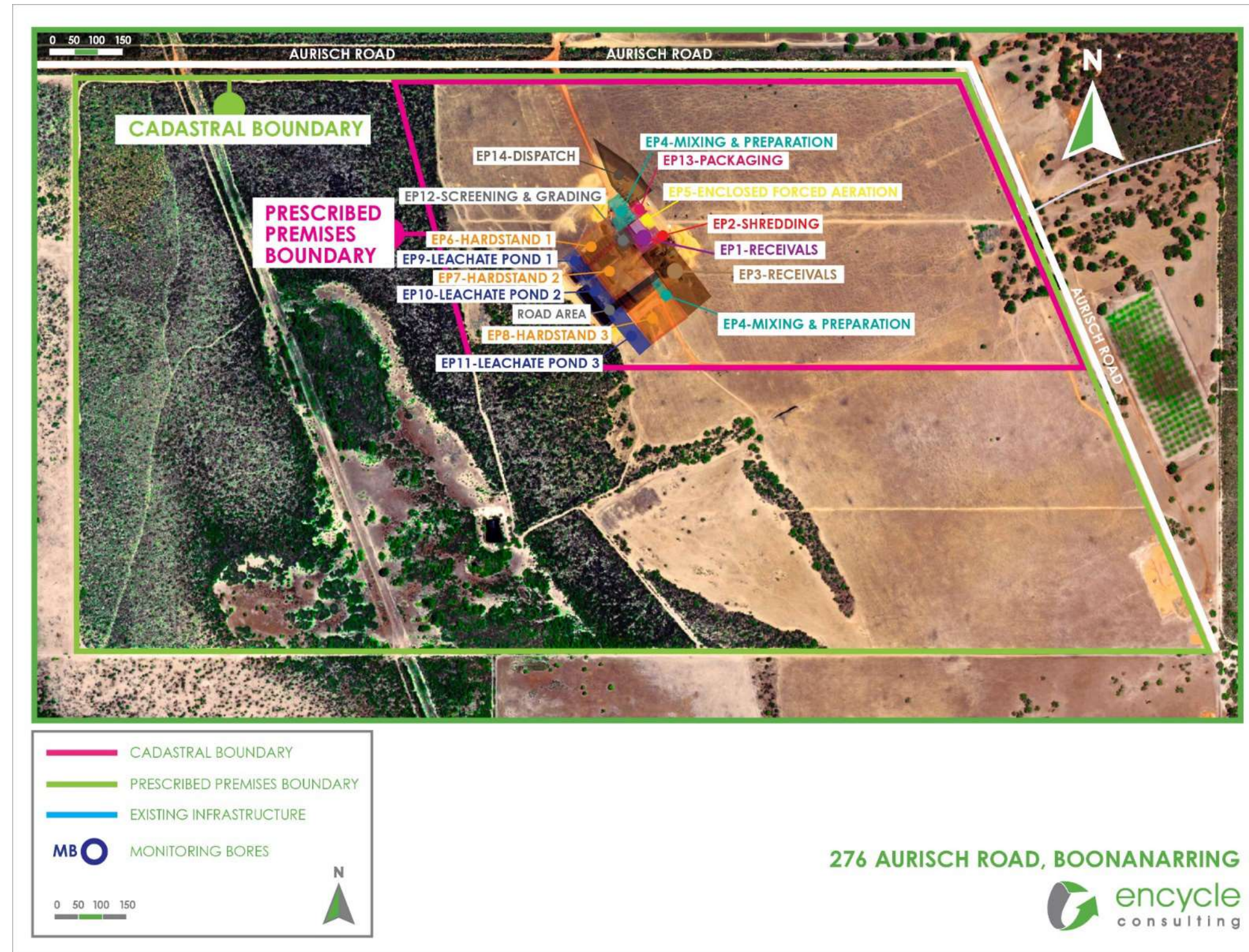


Figure 1: Map of the boundary of the prescribed premises and key infrastructure



The location of groundwater monitoring bores are shown in the map below (Figure 1 2).



Figure 2: Map of groundwater monitoring bores

## Schedule 2: Premises boundary

The premises boundary is defined by the coordinates in Table 4.

**Table 4: Premises boundary coordinates**

Latitude	Longitude
31° 12' 45.59" S	115° 49' 4.96" E
31° 12' 45.53" S	115° 49' 50.67" E
31° 13' 5.41" S	115° 50' 0.86" E
31° 13' 5.61" S	115° 49' 11.71" E