



Licence number	L7391/1999/9
Licence Holder	A. Richards Pty Ltd
ACN	008 734 852
Registered business address	203 Acourt Road JANDAKOT WA 6164
DWER file number	DEC3864/1~1
Duration	06/01/2014 to 05/10/2033
Date of amendment	08/11/2021
Premises details	Richgro, Nowergup Site 206 Wesco Road NOWERGUP WA 6032 Part Lot 12738 on Plan 193226 As defined by the coordinates in Schedule 1

Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations 1987</i>)	Assessed production capacity
Category 67A – 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.	100,000 tonnes per annual period
Category 61A – Solid waste facility: premises (other than premises within category 67A) on which solid waste produced on other premises is stored, reprocessed, treated, or discharged onto land.	50,000 tonnes per annual period

This Licence is granted to the Licence Holder, subject to the attached conditions, on 8 November 2021, by:

Steve Checker
MANAGER WASTE INDUSTRIES
REGULATORY SERVICES

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

Licence history

Reference no.	Date	Summary of changes
L7391/1999/9	19/12/2013	Licence renewal
L7391/1999/9	24/07/2014	Amendment to extend timeframes for improvement condition completion
L7391/1999/9	22/10/2015	Amendment to change authorised feedstocks
L7391/1999/9	29/04/2016	Amendment to extend Licence duration
L7391/1999/9	17/11/2016	Amendment Notice 1: Changes to authorised feedstocks and prescribed premises boundary
L7391/1999/9	9/02/2018	Amendment Notice 2: Changes to authorised feedstocks and monitoring requirements
L7391/1999/9	04/06/2019	Amendment Notice 3: Withdrawn
L7391/1999/9	25/08/2020	Amendment to: Remove category 61 and all associated conditions Add category 61A Allow the Harvest Quest method of composting
L7391/1999/9	08/11/2021	Amendment to increase the duration of which feedstocks have to be removed from the premises

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 means the version of the standard, guideline, or code of practice in force at the time of granting of this Licence and includes any amendments to the standard, guideline or code of practice which may occur from time to time during the course of the licence;
- (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

1. The Licence Holder must ensure that the infrastructure and equipment specified in Column 1 of Table 1, is maintained and operated in good working order, in accordance with the requirements specified in Column 2 of Table 1 and situated in the location specified in Column 3 of Table 1.

Table 1: Infrastructure and equipment controls table

	Column 1	Column 2	Column 3
Item no.	Infrastructure/equipment	Specifications	Site plan reference
1	Green waste grinders	One slow speed diesel grinder (up to 120m ³ /hour) Track mounted grinder (up to 120m ³ /hour) green waste stockpiles (water sprays added)	Areas labelled 'green waste shredding' on Figure 1 in Schedule 1.
2	Screeners	One screener (up to 120m ³ /hour) for dry to damp compost stockpiles and products (water sprays added) One screener (up to 120m ³ /hour) for sands and dry stockpiles (water sprays added) One screener (up to 120m ³ /hour) for dry to damp compost stockpiles (water sprays added) One screener (up to 50m ³ /hour) for dry to damp compost stockpiles and products (water sprays added)	Areas labelled 'green waste shredding' on Figure 1 in Schedule 1.
3	V-drain between processing areas and leachate pond	Maintained free of accumulated sludge. Inspected weekly and cleaned out as required (minimum of once a month).	n/a

Feedstock controls

2. The Licence Holder must only accept waste at the Premises if:
 - (a) it is of a type specified in Column 1 of Table 2; and
 - (b) it meets any specification or quantity limit specified in Column 2 or Column 3 of Table 2.

Table 2. Feedstock acceptance

	Column 1	Column 2	Column 3
	Feedstock	Specification	Quantity Limit (tonnes/year)
1	Clean Fill	N/A	20,000
2	ASS/PASS	N/A	10,000
3	Biosolids	Biologically treated wastewater sludge or biosolids.	15,000
4	Coarse and shredded green waste	Includes jarrah bark and pine bark.	Combined total of 50,000
5	Sawdust	N/A	
6	Food waste	N/A	500
7	Manure	N/A	3,000

3. The Licence Holder shall ensure that where waste does not meet the waste acceptance criteria set out in condition 2 it is removed from the Premises by the delivery vehicle or, where that is not possible, stored in a segregated storage area or container and removed to an appropriately authorised facility as soon as practicable.
4. The Licence Holder must undertake the monitoring and recording:
 - (a) for inputs and outputs specified in Column 1 of Table 3;
 - (b) for the parameters listed in Column 2 of Table 3;
 - (c) in the units specified in Column 3 of Table 3; and
 - (d) at the frequency specified in Column 4 of Table 3.

Table 3: Monitoring and recording of inputs and outputs

	Column 1	Column 2	Column 3	Column 4
Input/output	Parameter	Units	Averaging period	Frequency
Waste Inputs	Waste type as detailed in Table 3	Tonnes	One year	Each load arriving at the Premises
Waste Outputs	Waste type as depicted in the Landfill Waste Classification and Waste Definitions 1996 (as amended December 2019)	Tonnes	One year	Each non-conforming waste load rejected from the Premises
Other outputs	Composts and blended soils	Tonnes	One year	Each load produced at the Premises
Other outputs	Composts and blended soils	Tonnes	One year	Product leaving the Premises

Operational controls

- The Licence Holder must only store and process the materials specified in Column 1 of Table 4 in accordance with the requirements specified in Column 2 of Table 4.

Table 4: Storage and processing requirements

	Column 1	Column 2
	Feedstock	Storage and Processing Requirements
1	Green waste	<p>Stored and pre-treated on a hardstand in the 'Green waste shredding and soil/mulch blending' area specified in the Premises Map in Schedule 1.</p> <p>Must not be stored for longer than one month before being incorporated into the composting process.</p> <p>Composted, matured and/or pasteurised in the 'Composting Area' as specified in the Premises Map in Schedule 1.</p>
2	Biosolids	<p>Must not be stored for longer than 72 hours before being incorporated into the composting process.</p> <p>Stored, blended, pasteurised, composted and matured in the 'Composting Area' as specified in the Premises Map in Schedule 1.</p>

	Column 1	Column 2
	Feedstock	Storage and Processing Requirements
3	Sawdust	<p>Stored and blended on a hardstand in the 'Green waste shredding and soil/mulch blending' area and 'Product Storage' area specified in the Premises Map in Schedule 1.</p> <p>Must not be stored for longer than one month before being incorporated into the composting process.</p>
4	Food waste	<p>Must not be stored for longer than 72 hours before being incorporated into the composting process.</p> <p>Stored, blended, pasteurised, composted and matured in the 'Composting Area' as specified in the Premises Map in Schedule 1.</p>
5	Manure	<p>Must not be stored for longer than 72 hours before being incorporated into the composting process.</p> <p>Stored, blended, pasteurised, composted and matured on hardstand in the 'Composting Area' as specified in the Premises Map in Schedule 1.</p>
6	ASS/PASS	<p>Must not be stored for longer than 14 days before being incorporated into the composting process.</p> <p>Stored and blended in the 'Product Storage' area as specified in the Premises Map in Schedule 1.</p>
7	Clean fill	No specifications

6. The Licence Holder shall implement control measures to prevent infestations of pests, flies and vermin at the Premises.
7. The Licence Holder must manage the compost windrows such that:
 - (a) Windrows are turned as required to ensure composting process is sustained;
 - (b) Moisture levels in the composting piles shall be maintained between 40 to 60 per cent.
 - (c) An input nutrient balance (carbon: nitrogen ratio) of 25:1 to 35:1 is to be achieved when forming windrows;
 - (d) The core temperature of the composting windrows is maintained between 55 °C and 65 °C for a period of at least two consecutive weeks, with at least two measurements being taken per week, at least three days apart;
 - (e) Windrows shall not exceed 3.5 metres high, eight metres wide and 120 metres long; and
 - (f) Windrows shall be separated by at least 0.5 metres of clear ground.

8. The Licence Holder shall ensure that the Leachate Pond as depicted on the Premises Map in Schedule 1:
 - (a) is maintained with a liner that achieves a permeability of less than 1×10^{-9} m/s or equivalent;
 - (b) is maintained with a freeboard of at least 300 millimetres at all times; and
 - (c) is aerated during day light hours by a solar powered pond aeration system, where there is sufficient daylight to power the system.
9. The Licence Holder must ensure that all leachate is contained within the boundary of the Premises or removed offsite to an appropriately licensed facility.

Monitoring

10. The Licence Holder must undertake groundwater monitoring:
 - (a) for the parameters specified in Column 1 of Table 5;
 - (b) at the locations specified in Column 2 of Table 5;
 - (c) at the frequency specified in Column 4 of Table 5; and
 - (d) using the methods specified in Column 5 and Column 6 of Table 5.

Table 5: Monitoring of ambient groundwater

Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	
Parameter	Location as shown on Site Plan	Groundwater Action Criteria	Frequency	Sample	Method	
Standing water level	MB1, MB2 MB3, MB4 and MB5	N/A	Bores MB1, MB2, MB3, MB4 and MB5: monthly for the first 12 months and then quarterly thereafter.	In-field measurement	AS 5667.1 AS 5667.11	
Temperature						
Electrical conductivity						
pH						
Redox potential				5.0 mg/L		Spot Sample
Biological oxygen demand (BOD)						
Total dissolved solids (TDS)						
Total nitrogen	MB1, MB2 MB3, MB4 and MB5	N/A		Spot Sample		AS 5667.1 AS 5667.11
Ammonia Nitrogen						
Nitrate + Nitrite						

Column 1	Column 2	Column 3	Column 4	Column 5	Column 6
Parameter	Location as shown on Site Plan	Groundwater Action Criteria	Frequency	Sample	Method
(as Nitrogen)					
Total phosphorus		1.0 mg/L			
Total organic carbon		N/A			
Bicarbonate + Carbonate		N/A	Bores MB1, MB2, MB3, MB4 and MB5: monthly for the first 12 months and then quarterly thereafter.		
Calcium					
Chloride					
Magnesium					
Potassium					
Sodium					
Sulfate					

11. In the event that the Groundwater Action Criteria as specified in Column 3 of Table 5 is exceeded, the Licence Holder must upon receipt of the exceedance, investigate the likely cause of the exceedance and within 28 days of receipt of the exceedance, provide the CEO in writing with the following information:

- (a) Date of the exceedance;
- (b) Bore location where the exceedance(s) was identified;
- (c) Laboratory analysis data; and
- (d) Results of investigations undertaken to determine the reason for the exceedance and any action taken to resolve the exceedance.

Specified Actions

12. The Licence Holder shall submit to the CEO the Information in Table 6 in accordance with the Requirements and Timescale outlined in Table 6.

Table 6: Specified actions

Item no.	Information	Requirement(s)	Timescale
1	Leachate management actions	<p>The Licence Holder must ensure that the storage and processing of feedstocks* as detailed in Condition 5, Table 4 occurs on;</p> <ol style="list-style-type: none"> 1. a hardstand that meets a permeability of 1×10^{-9} m/s; or 2. an area which has infrastructure that acts to attenuate leachate and minimises infiltration of leachate to the insitu soil directly below the processing area. <p>If one of the two options above cannot be complied with then the Licence Holder is to:</p> <ol style="list-style-type: none"> 3. remove the feedstock* from the Premises. 	Within 16 months of the date of this Amendment.
2	Product Assessment Report	<p>The Licence Holder shall prepare a report that assesses compost (that is not produced using the harvest quest method), soil conditioners and mulches produced at the Premises against the processes and product parameters specified in AS 4454.</p> <p>Where the processes and product parameters deviate from AS 4454 for a compost (that is not produced using the harvest quest method), soil conditioner and mulch, the Licence Holder must provide evidence, with reference to testing regimes and controls, to demonstrate how the product is suitable for its end use.</p>	Report to be provided to the CEO within six months from 9 February 2018.

*Note 1: Green waste derived from controlled collections and landscaping sources, and untreated timber (including sawdust) are exempt from the requirements under Items 1 and 2 above.

Records and reporting

13. The Licence Holder shall ensure that:

- (a) any person left in charge of the Premises is aware of the conditions of the Licence and has access at all times to the Licence or copies thereof; and
- (b) any person who performs tasks on the Premises is informed of all of the conditions of the Licence that relate to the tasks which that person is performing.

14. The Licence Holder shall complete an Annual Audit Compliance Report indicating the extent to which the Licence Holder has complied with the conditions of the Licence under Part V of the Act for the Premises for the previous annual period.

15. The Licence Holder shall:

- (a) implement a complaints management system that shall record the following information (if known or provided) about complaints received at the Premises concerning any environmental impact of the activities undertaken at the Premises:
 - (i) name and address of the complainants (if consented);
 - (ii) date and time of complaint;
 - (iii) date and time of alleged incident;
 - (iv) alleged source of the incident;
 - (v) general description of the alleged incident, including any environmental or health impacts reported by the complainant;
 - (vi) wind direction, wind speed and temperature at time of alleged incident;
 - (vii) likely source of the alleged incident; and
 - (viii) actions taken by Licence Holder to address complaint, including the outcome of any investigation(s) and action(s) to verify any impacts.
 - (b) complete an annual analysis and review of complaints recorded under 15(a) to identify any common factors and root cause of complaints and proposals to address these.
16. The Licence Holder shall submit to the CEO an Annual Environmental Report within 90 calendar days after the end of the annual period. The report shall contain the information listed in Table 7 in the format or form specified in that table.

Table 7. Annual Environmental Report Requirements

Condition or table (if relevant)	Parameter	Format or form
n/a	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	None specified
Condition 10, Table 5	Groundwater monitoring data including: (a) An interpretive summary and assessment of ambient groundwater quality monitoring results against relevant assessment levels for water as published in the Contaminated Sites Guidelines; (b) An interpretive summary and assessment of ambient groundwater quality monitoring results against previous; and (c) A report to the CEO for exceedances of Groundwater Action Criteria (as specified in Column 3 of Table 7)	
14	Compliance	Annual Audit Compliance Report (AACR)
15	Complaints summary	None specified

17. The Licence Holder shall ensure that the Annual Environmental Report also contains:
- (a) any relevant process, production or operational data recorded under Condition 4;
 - (b) an assessment of the information contained within the report against previous monitoring results and Licence limits and/or targets; and
 - (c) a list of any original monitoring reports submitted to the Licence Holder from third parties for the annual period and make these reports available on request.
18. The Licence Holder shall ensure that the parameters listed in Column 2 of Table 8 are notified to the CEO in accordance with the notification requirements of the table.

Table 8. Notification Requirements

Column 1	Column 2	Column 3	Column 4
Condition or table (if relevant)	Parameter	Notification Requirement	Format or form
n/a	Fire at the premises	As soon as practicable	None specified
all	Breach of a limit specified in the Licence	Part A: As soon as practicable, but no later than 5pm on the next usual working day	N1 (attached as Schedule 2)
	Any failure or malfunction of any pollution control equipment or any incident, which has caused, is causing or may cause pollution	Part B: As soon as practicable	

Note 1: Notification requirements in the Licence shall not negate the requirement to comply with s72 of the EP Act

19. 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 4 and 10 of this licence; and
 - (d) complaints received under condition 15 of this licence.
20. The books specified under condition 19 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.
21. 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 90 days after the end of that annual period an Annual Audit Compliance Report in the approved form.

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 (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 January until 31 December of the immediately following year.
AS 4454-2012	Australian Standard AS 4454-2012: Composts, soil conditioners and mulches
AS 5667.1	Australian Standard AS 5667.1 Water Quality – Sampling – Guidance of the Design of sampling programs, sampling techniques and the preservation and handling of samples.
AS 5667.11	Australian Standard AS 5667.11 Water Quality – Sampling – Guidance on sampling of groundwater
ASS	Acid sulphate soils
books	has the same meaning given to that term under the EP Act.
biosolids	Means solid, semi-solid or slurry material produced by the treatment of sewage (sewage sludge).
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
Clean fill	has the meaning defined in the Landfill Definitions
Department	means the department established under section 35 of the <i>Public Sector Management Act 1994 (WA)</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.
emission	has the same meaning given to that term under the EP Act.
EP Act	<i>Environmental Protection Act 1986 (WA)</i>
EP Regulations	<i>Environmental Protection Regulations 1987 (WA)</i>

Term	Definition
feedstock	means the organic material used in the composting process and as listed in Table 3.
greenwaste	means waste that originates from untreated trees or plants
Landfill definitions	Means the document titled Landfill Waste Classification and Waste Definitions 1996 (as amended 2019) as published by the CEO of the Department of Water and Environmental Regulation.
leachate	means liquid released by water that has percolated through waste which contains some of its constituents.
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.
PASS	means potential acid sulphate soils
Potential acid sulphate soils	Are soils or sediments which contain iron sulfides and/or other sulfidic minerals that have not been oxidized. The field pH of these soils in their undisturbed state is more than pH 4 and is commonly neutral to alkaline (pH7 to pH9). These soils or sediments are invariably saturated with water in the natural state. The waterlogged layer may be peat, clay, loam, silt or sand and is usually dark grey and soft but may also be dark brown, or medium to pale grey to white.
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.
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 pink in the map below (Figure 1).



Figure 1: Map of the boundary of the prescribed premises

Premises boundary

The premises boundary is defined by the coordinates in Table 1.

Table 1: Premises boundary coordinates

Position No.	Latitude	Longitude
A	31° 38' 16.60" S	115° 45' 44.68" E
B	31° 38' 17.75" S	115° 45' 47.94" E
C	31° 38' 19.36" S	115° 45' 51.30" E
D	31° 38' 20.87" S	115° 45' 53.11" E
E	31° 38' 27.70" S	115° 45' 58.75" E
F	31° 38' 33.70" S	115° 45' 55.02" E
G	31° 38' 34.34" S	115° 45' 47.19" E
H	31° 38' 30.45" S	115° 45' 49.46" E
I	31° 38' 24.78" S	115° 45' 44.74" E

Schedule 2: N1 Form

Licence:

Licence holder:

Form: N1

Date of breach:

Notification of detection of the breach of a limit.

These pages outline the information that the operator must provide.

Units of measurement used in information supplied under Part A and B requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

Part A

Licence number	
Name of operator	
Location of premises	
Time and date of the detection	

Notification requirements for the breach of a limit	
Emission point reference/source	
Parameter(s)	
Limit	
Measured value	
Date and time of monitoring	
Measures taken, or intended to be taken, to stop the emission	

Part B

Any more accurate information on the matters for notification under Part A.	
Measures taken, or intended to be taken, to prevent a recurrence of the incident.	
Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission.	
The dates of any previous N1 notifications for the Premises in the preceding 24 months.	

Name	
Post	
Signature on behalf of licence holder	
Date	