



Licence number	L7329/1997/9
Licence holder	Atlas Group Pty Ltd
ACN	009 061 063
Registered business address	501 Alexander Drive MALAGA WA 6061
DWER file number	2010/002636-1
Duration	10/11/2019 to 09/11/2030
Date of issue	10/11/2019
Date of amendment	21/10/2024
Premises details	Atlas Composting Facility Old Plains Road, Calingiri Legal description - Part Lot M2043 on Plan 6168 Certificate of Title Volume 1310 Folio 113 As defined by the coordinates in Schedule 1

Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations 1987</i>)	Assessed production or design 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 of blended soils.	50,000 tonnes per annum

This Licence is granted to the Licence Holder, subject to the attached conditions, on 21 October 2024, by:

Melissa Chamberlain

MANAGER, WASTE INDUSTRIES

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

[L7329/1997/9 \(21 October 2024\)](#)

Licence history

Date	Reference number	Summary of changes
10/11/2000	L7329/1997/2	Revision granted.
10/11/2001	L7329/1997/3	Revision granted.
08/11/2002	L7329/1997/4	Revision granted.
10/11/2003	L7329/1997/5	Revision granted.
10/11/2004	L7329/1997/6	Revision granted.
10/11/2005	L7329/1997/7	Renewed for five years.
10/11/2010	L7329/1997/8	Revision granted
26/10/2015	L7329/1997/8	Amendment by notice to extend licence duration by one year to 09/11/2016
29/04/2016	L7329/1997/8	Amendment by notice to extend licence duration to 10/11/2019
10/11/2019	L7329/1997/9	Licence renewed
21/10/2024	L7329/1997/9	This amendment to extend licence duration to 09/11/2030

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:

Waste acceptance and throughput restrictions

1. The Licence Holder must only accept Municipal Organic Waste and other organic waste restricted to sawdust, straw and hay onto the Premises.
2. The Licence Holder must not produce more than 50,000 tonnes of Compost Product per Annual Period.
3. The Licence Holder must monitor and record the volumes of incoming and outgoing Waste and outgoing Product at the Premises for the parameters stipulated in Column 1 of Table 1, using the units specified in Column 2 of Table 1 and at the frequency specified in Column 3 of Table 1.

Table 1: Monitoring of inputs and outputs

Parameter	Units	Frequency
Waste inputs – Municipal Organic Waste	Tonnes - as measured by certified load scales (e.g. weighbridge) OR m ³ and calculated tonnes – a Conversion Factor must be used to calculate tonnage.	Each load arriving at the Premises
Waste outputs – Residual Solid Waste		Each load leaving the Premises
Compost Product outputs		Each load leaving the Premises

4. The Licence Holder must not:
 - (a) dispose of Residual Solid Waste at the Premises; and
 - (b) store more than 15 m³ of screened Residual Solid Waste at the Premises.

Waste processing

5. The Licence Holder must store and process all Municipal Organic Waste on the Compost Processing Area depicted in the Premises layout map in Schedule 1.
6. The Licence Holder must store all screened Residual Solid Waste and untested Compost Product on the Compost Storage Area depicted in the Premises layout map in Schedule 1.
7. The Licence Holder must direct and contain all Leachate to the Retention Basin depicted in the Premises layout map in Schedule 1.
8. The Licence Holder must maintain a freeboard of at least 300mm within the Retention Basin at all times.
9. The Licence Holder must manage composting windrows such that:
 - (a) Leachate and contaminated storm water is only applied during the Pasteurisation Stage;
 - (b) the core temperature of the composting windrows are maintained between 55°C and 65°C for a period of at least three consecutive days;

- (c) moisture levels in the composting windrows are maintained between 40 to 65%; and
- (d) windrows are turned regularly to ensure aerobic conditions are maintained.

Infrastructure and equipment

- 10.** The Licence Holder must ensure that the infrastructure and equipment specified in Column 1 of Table 2 is maintained in good working order and operated in accordance with the requirements specified in Column 2 of Table 2.

Table 2: Infrastructure and equipment controls table

	Site infrastructure and equipment	Operational requirements	Premises Layout Plan reference (Schedule 1)
1	Hardstand for composting windrows and stockpiling	Compacted and graded with a fall that prevents pooling and directs leachate runoff to the retention basin. Capable of accommodating the weight and movement of vehicles and equipment used on the hardstand, without compromising the integrity of the hardstand or altering drainage characteristics.	Compost processing area/ Compost storage area
2	Earthen bunding	Capable of directing all leachate and contaminated stormwater to the retention basins specified in Row 3. Constructed to a height of 3m.	Stormwater containment bund
3	Clay lined leachate and storm water retention basin	Maintained with a minimum freeboard of 300mm. Capable of retaining the inflow received from a 100 year ARI, 72 hours duration rainfall event.	Retention basin
4	Composting aeration system	Mobile mechanical windrow turning machinery capable of aerating composting windrows to prevent anaerobic conditions.	N/A
5	Screening units	Capable of removing unsuitable Residual Solid Waste materials from the final Compost Product.	Screen
6	Groundwater monitoring bores	Installed to provide representative groundwater samples from up and downgradient of the Compost Processing Area and Compost Storage Area depicted in the Premises layout map in Schedule 1.	N/A

Specified Actions

11. The Licence Holder must submit to the CEO by at least 3 months prior to recommencing operations, a report by a suitably qualified Geotechnical Engineer, or equivalent, containing permeability testing results for each:
 - (a) hardstand used for compost processing;
 - (b) hardstand used for untested Compost Product and Residual Solid Waste storage; and
 - (c) retention basin used for Leachate containment.
12. The Licence Holder must complete by at least three months prior to the recommencement of operations:
 - (a) installation of three groundwater monitoring bores constructed in accordance with the requirements set out in Table 3; and
 - (b) submission of a monitoring report to the CEO that:
 - (i) confirms the groundwater monitoring bores are installed in accordance with Condition 12(a);
 - (ii) contains bore logs for the installed groundwater monitoring bores;
 - (iii) contains permeability testing results for each intercepted soil layer; and

contains the results of one groundwater monitoring event conducted in accordance with the specifications set out in

(iv) Table 4.

Table 3: Groundwater monitoring bore installation requirements

Monitoring bore designation	Location	Construction specification
MB01	Hydraulically upgradient of the Compost Processing Area and Compost Storage Area	(i) Installed in accordance with ASTM D5092/5092M-16; (ii) Allowing for the representative sampling of groundwater from the superficial aquifer; (iii) Surveyed to allow the ground level and groundwater level (mAHD and mbgl) to be accurately determined; and (iv) Logged in accordance with AS1726:2017 for the unified classification system for soils.
MB02	Hydraulically downgradient of the Compost Processing Area and Compost Storage Area	
MB03		

Table 4: Groundwater monitoring event requirements

Sampling location	Parameter	Units	Sampling method	Analysis method
MB01 MB02 MB03	Standing water level	mAHD and mbgl	AS/NZS 5667.1:1998 (R2016) AS/NZS 5667.11:1998 (R2016)	In-field non-NATA accredited analysis
	pH	-		
	Electrical conductivity	ms/cm		
	Redox potential	Eh		
	Biological oxygen demand (BOD ₅)	mg/L		Submission to a laboratory with current NATA accreditation for the parameter being measured.
	Total dissolved solids (TDS)			
	Ammonia (as nitrogen)			
	Nitrite (as nitrogen)			
	Nitrate (as nitrogen)			
	Total kjeldhal nitrogen (TKN)			
	Total nitrogen			
	Total phosphorus			
	Dissolved metals (arsenic, cadmium, chromium, copper, lead, mercury nickel potassium, selenium, zinc)			
	Total metals (aluminium, iron)			

Product testing

- 13.** The Licence Holder must undertake final Compost Product sampling:
- for the parameters specified in Column 1 of Table 5;
 - in the units specified in Column 2 of Table 5;
 - at the frequencies stated in Column 3 of Table 5;
 - in accordance with the requirements of AS 4454:2012; and
 - by submission to a laboratory with current NATA accreditation for the parameter being measured.

Table 5: Compost Product sampling requirements

Parameters	Units (dry weight basis)	Frequency
Arsenic	mg/kg	Prior to any Compost Product being taken off the Premises
Cadmium		
Chromium		
Copper		
Lead		
Mercury		
Nickel		
Selenium		
Zinc		
DDT / DDD / DDE		
Aldrin		
Dieldrin		
Chlordane		
Heptachlor		
HCB		
Lindane		
BHC		
PCB		
Glass, metal and rigid plastic	% w/w	

Record-keeping

- 14.** The Licence Holder must record the number and details of any complaints received by the Licence Holder relating to its obligations under this Licence and its compliance with Part V of the EP Act at the Premises, and any action taken by the Licence Holder in response to the complaint. Details of complaints must include:
- (a) an accurate record of the concerns or issues raised, for example a copy of any written complaint or a written note of any verbal complaints made;
 - (b) the name and contact details of the complainant, if provided by the complainant;
 - (c) the date of the complaint; and

- (d) the details and dates of the actions taken by the Licence Holder in response to the complaints.
- 15. 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 specified actions conducted in accordance with Condition 11 and 12 of this Licence;
 - (c) the maintenance of infrastructure required to ensure that it is kept in good working order in accordance with Condition 10 of this Licence;
 - (d) monitoring undertaken in accordance with Condition 3 of this Licence;
 - (e) complaints received under Condition 14 of this Licence; and
- 16. In addition, the Books must:
 - (a) be legible;
 - (b) if amended, be amended in such a way that the original and subsequent amendments remain legible and are capable of retrieval;
 - (c) be retained for at least 3 years from the date the Books were made; and
 - (d) be available to be produced to an Inspector or the CEO.

Reporting

- 17. The Licence Holder must provide written notification to the CEO of their intent to recommence operations three months prior to the recommencement of the same.
- 18. 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 an Annual Audit Compliance Report in the approved form by 1 February 2024 each year.
- 19. The licence holder must:
 - (a) prepare an Environmental Report that provides information in accordance with Table 6 for the preceding two annual periods, and
 - (b) submit that Environmental Report to the CEO by 1 February 2024 and biennially thereafter.

Table 6: Environmental reporting requirements

Condition	Requirement
3	The waste and product inputs and outputs monitoring results
10	Any maintenance works carried out on the infrastructure listed in Table 2
13	Compost product testing
14	The records of any complaints received

Definitions

In this licence, the terms in Table 7 have the meanings defined.

Table 7: 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 are available on the Department's website).
Annual Period	a 12 month period commencing from 1 January until 31 December of the same year.
ARI	Annual recurrence interval
AS1726:2017	means the document titled <i>Geotechnical site investigations</i> published by Standards Australia, as amended from time to time.
AS/NZS 5667.1:1998 (R2016)	means the document titled <i>Water quality – sampling guidance on the design of sampling programs, sampling techniques and the preservation and handling of samples</i> published by Standards Australia, as amended from time to time.
AS/NZS 5667.11:1998 (R2016)	means the document titled <i>Water quality – sampling guidance on sampling of groundwaters</i> published by Standards Australia, as amended from time to time.
ASTM D5092-04(2010)e1	means the document titled <i>Standard practice for design and installation of groundwater monitoring wells</i> published by ASTM International.
BHC	Benzene hexachloride
biennially	means every two years.
books	has the same meaning given to that term under the EP Act.
CEO	<p>means Chief Executive Officer of the department.</p> <p>“submit to / notify the CEO” (or similar), means either:</p> <p style="padding-left: 40px;">Director General Department administering the <i>Environmental Protection Act 1986</i> Locked Bag 10 Joondalup DC WA 6919</p> <p>or:</p> <p style="padding-left: 40px;">info@dwer.wa.gov.au</p>

Term	Definition
Condition	means a condition to which this Licence is subject under s.62 of the EP Act.
Compost Product	means the final composted material ready for dispatch from the Premises.
Conversion Factor	means the default bulk densities shown in Appendix B Table 2 of the <i>Western Australian Government Gazette No.97, 28 June 2019</i> .
DDD	Dichloro Diphenyl Dichloroethane
DDE	Dichloro Diphenyl Dichloroethylene
DDT	Dichloro Diphenyl Trichloroethane
department; DWER	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	means the <i>Environmental Protection Act 1986</i> (WA).
EP Regulations	means the <i>Environmental Protection Regulations 1987</i> (WA).
HCB	Hexachlorobenzene
Inspector	means an inspector appointed by the CEO in accordance with s.88 of the EP Act.
Leachate	means liquid released by or water that has percolated through waste and 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.
Municipal Organic Waste	means municipal food organic waste and garden organic waste derived from domestic households.
NATA	National Association of Testing Authorities, Australia
Pasteurisation Stage	means the stage of composting whereby organic materials are treated to significantly reduce the numbers of plant and animal pathogens and plant propagules.

Term	Definition
PCB	Polychlorinated biphenyls
Premises	refers to the premises to which this Licence applies, as specified at the front of this Licence and as shown on the map in Schedule 1 to this Licence.
Prescribed Premises	has the same meaning given to that term under the EP Act.
Residual Solid Waste	means solid wastes comingled with food organic and garden organic waste material that is unsuitable for the final Compost Product.
Waste	has the same meaning given to that term under the EP Act.

Schedule 1: Maps

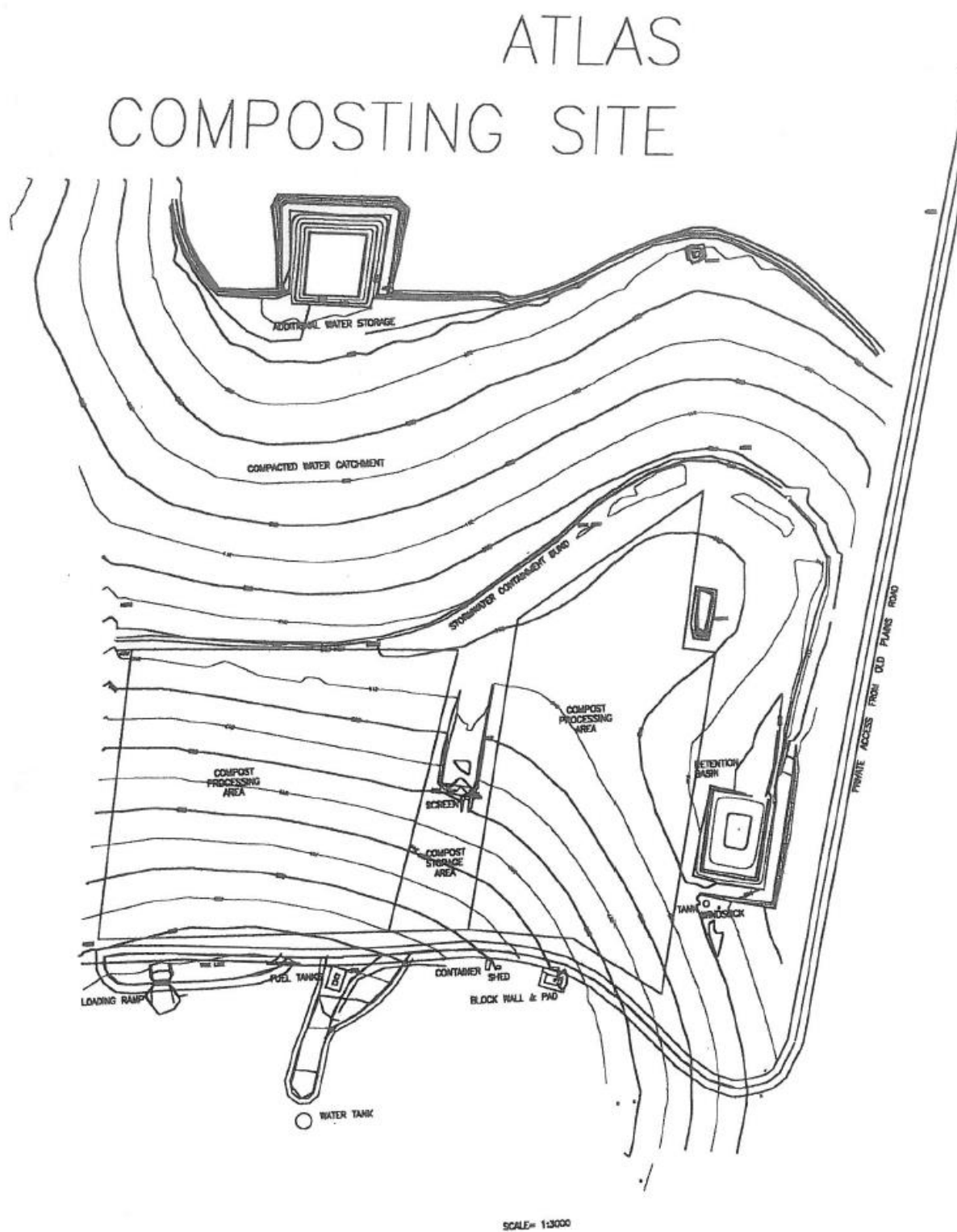
Premises map

The Premises is shown in the map below.



Premises layout map

The layouts of key infrastructure and equipment are shown in the map below.



Premises boundary

The Premises boundary is defined by the coordinates in Table 8.

Table 8: Premises boundary coordinates in MGA 94 Zone 50

Easting	Northing
436675.53028	6548451.27261
436760.11618	6548171.68595
436735.60666	6547878.36497
436908.19773	6547852.68128
436994.32252	6547808.44304
437016.08162	6547759.24264
437093.00615	6547678.84506
437178.79979	6547847.76610
437261.62977	6548470.48002