

**WESTERN AUSTRALIA**

**DEPARTMENT OF ENVIRONMENT REGULATION**

*Environmental Protection Act 1986*

**LICENCE**

**LICENCE NUMBER: L7329/1997/8**

**FILE NUMBER: 2010/002636**

**NAME OF OCCUPIER:**

Atlas Group Pty Ltd  
ACN: 009 061 063

**ADDRESS OF OCCUPIER:**

501 Alexander Drive  
MALAGA WA 6061

**NAME AND LOCATION OF PREMISES:**

Atlas Composting Facility  
Part Lot M2043 on Plan 6168 Calingiri Road  
OLD PLAINS WA 6569  
(as depicted in Attachment 1)

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***Environmental Protection Regulations 1987***

**CLASSIFICATION(S) OF PREMISES:**

Category Number 67A: Compost manufacturing and soil blending

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**COMMENCEMENT DATE OF LICENCE:** Wednesday, 10 November 2010

**EXPIRY DATE OF LICENCE:** Wednesday, 9 November 2016

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**CONDITIONS OF LICENCE:**

As described and attached:

DEFINITIONS: 16

CONDITIONS: 19

ATTACHMENTS: 3

Date signed: 22 October 2015

.....  
Alan Kietzmann  
A/ Manager Licensing (Waste Industries)  
Officer delegated under Section 20  
of the *Environmental Protection Act 1986*

Date of Issue: Friday, 5 November 2010

Date of Amendment: 22 October 2015

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Licence issue date: Thursday, 4 November 2010

Licence amendment date: Thursday, 22 October 2015

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**DEPARTMENT OF ENVIRONMENT REGULATION**  
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**CONDITIONS OF LICENCE**

**DEFINITIONS**

In these conditions of licence, unless inconsistent with the text or subject matter:

**'Act'** means the *Environmental Protection Act 1986*;

**'BHC'** means Benzene Hexachloride;

**'CEO'** means Chief Executive Officer of the Department of Environment Regulation;

**'CEO'** for the purpose of correspondence means;

Chief Executive Officer  
Department Administering the Environmental Protection Act 1986  
Locked Bad 33  
CLOISTERS SQUARE WA 6850  
Email: info@der.wa.gov.au

**'compost'** means an organic product that has undergone controlled aerobic and thermophilic biological transformation through the composting process;

**'composting'** the process whereby organic materials are microbiologically transformed under controlled aerobic conditions.

**'DDT'** means Dichloro Diphenyl Trichloroethane;

**'DDE'** means Dichloro Diphenylethane;

**'DDD'** means Dichloro Diphenyl Dichloroethane;

**'HCB'** means Hexachlorobenzene;

**'leachate'** means liquid released by or water that has percolated through waste and which contains some of its constituents;

**'Licence'** means this Licence numbered L7329/1997/8 and issued under the Act;

**'Licensee'** means the person or organisation named as Licensee on page 1 of the Licence;

**'Premises'** means the area defined in the Premises Map in Schedule 1 and listed as the Premises address on page 1 of the Licence;

**'PCB'** means Polychlorinated Biphenyl; and

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**'solid waste'** means waste that:

- (i) has an angle of repose of greater than 5 degrees; and
- (ii) does not contain, or is not comprised of, any free liquids; and
- (iii) does not contain, or is not comprised of, any liquids that are capable of being released when the waste is transported;
- (iv) does not become free flowing at or below 60 degrees Celsius or when it is transported; and
- (v) is generally capable of being moved by a spade at normal temperatures (i.e. is spadeable).

### **GENERAL CONDITIONS**

#### **BUFFER DISTANCES**

- G1 The Licensee shall not conduct composting operations or locate stockpiles of waste within 10 metres of the Premises boundary.

#### **MONITORING REQUIREMENTS**

- G2(a) The Licensee shall submit to the CEO by 1 February each year an Annual Monitoring Report detailing the measures and actions taken to prevent off-site impacts or pollution from the site over the previous calendar year. The monitoring report shall provide information on the following matters and in each case shall provide an assessment of the effectiveness of the measure and also what actions are proposed to increase effectiveness:

- (i) measures taken to control pests and vermin;
- (ii) fire breaks and the details of any fires on site;
- (iii) dust suppression measures;
- (iv) measures to control windblown waste; and
- (v) measures taken to control stormwater runoff and water that has come into contact with waste or compost.

- G2(b) The Licensee shall keep a written record of all complaints received concerning the environmental impact of the Premises. The record must be in a form of a bound volume with numbered pages and must record the following:

- (i) date and time of complaint;
- (ii) location from which the complaint arose (if known);
- (iii) general description of nature of complaint;
- (iv) wind direction and temperature at the time of the complaint;
- (v) likely cause of the complaint; and
- (vi) action taken by the Licensee in response to the complaint.

- G2(c) The Licensee shall by 1 February in each year, provide to the CEO an Annual Audit Compliance Report in the form in Attachment 3 to this licence, signed and certified in the manner required by Section C of the form, indicating the extent to which the Licensee has complied with the conditions of this licence, and any previous licence issued under Part V of the Act for the Premises, during the previous calendar year period.

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#### STORAGE OF COMPOST

- G3 The Licensee shall not store more than a total of 50,000 cubic metres of compost, material to be composted, or being composted, on the Premises at any time.

#### COMPOST TESTING

- G4(a) The Licensee shall collect samples of the final compost product produced at the Premises, and have them analysed for the parameters listed in column one and column two of Table 2, at the frequencies stated in column three of Table 2.

**Table 2: Compost Testing.**

Column 1	Column 2	Column 3
Parameters to measured (Chemical Analysis)	Parameters to be measured (Inert Material Analysis)	Sampling frequency
Arsenic, Cadmium , Chromium (total), Copper, Lead, Mercury, Nickel, Selenium, Zinc, DDT, DDE, DDD, Aldrin, Dieldrin, Chlordane, Heptachlor, HCB, Lindane, BHC, PCB.  <b>Note:</b> <b>All measurements are to be reported in mg/kg.</b>	Glass, metal, rigid plastics.  <b>Note:</b> <b>Glass, rigid plastics and metal pieces are to be reported as percentage of dry matter (w/w).</b>	Sampling shall be conducted prior to any compost being taken off the Premises.

- G4(b) The Licensee shall ensure that all compost samples are collected in accordance with Australian Standard 4419 - 2003.

- G4(c) The Licensee shall ensure that compost samples are submitted to a laboratory with current NATA accreditation for the analyses of the parameters specified in column one of Table 2 in condition G4(a).

- G4(d) The Licensee shall ensure that the recorded results of the sampling referred to in conditions G4 (a), (b) and (c) are included in the Annual Monitoring Report.

- G4(e) The Licensee shall ensure that the recorded results of the sampling and analysis referred to in conditions G4 (a), (b) and (c) are provided to the CEO, before any compost is taken off the Premises.

#### WIND BLOWN WASTE

- G5 The Licensee shall ensure that wind blown waste does not cross the Premises boundary.

#### FIRES

- G6 The Licensee shall ensure that no waste is burnt on the Premises.

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**SOLID WASTE DISPOSAL**

- G6(a) The Licensee shall ensure that no solid wastes are disposed of at the Premises.
- G6(b) The Licensee shall ensure that solid wastes are disposed of at a licenced or registered Premises. This condition does not apply to the compost as defined in the "Western Australian Guidelines for Direct Land Application of Biosolids and Biosolids Products (2002)."

**WATER POLLUTION CONTROL CONDITIONS**

**LEACHATE CONTROL**

- W1(a) The Licensee shall ensure that compost material is stored and processed on the compost processing area as depicted on Attachment 2.
- W1(b) The Licensee shall ensure that the compost processing area referred to in part (a) of this condition is bunded to contain any leachate and rainfall runoff.
- W1(c) The Licensee shall ensure that any leachate or rainfall runoff contained in the compost processing area, referred to in part (a) of this condition, is directed to the retention basin as depicted on Attachment 2.

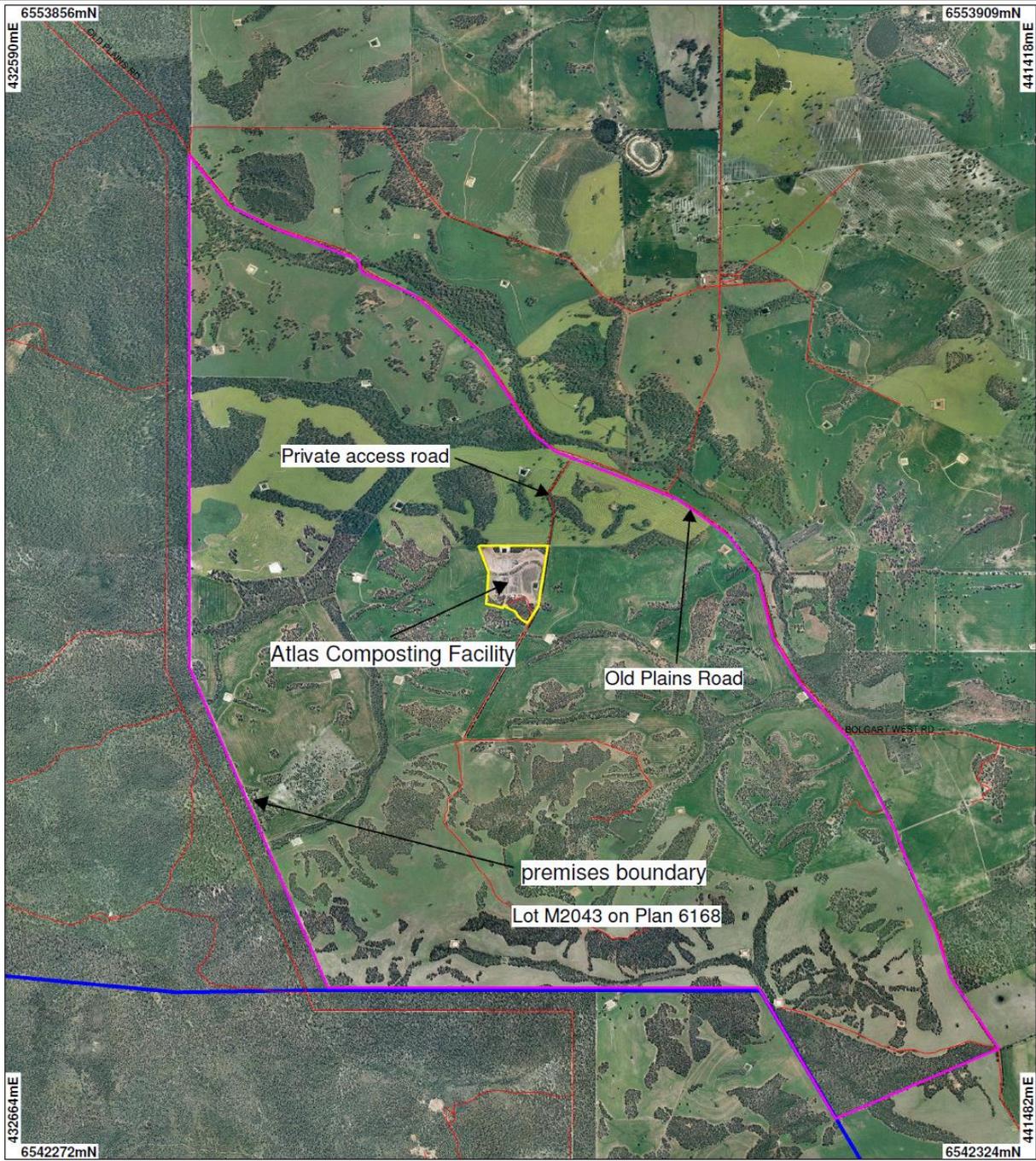
**STORMWATER**

- W2(a) The Licensee shall ensure that uncontaminated stormwater is diverted away from composting areas and waste storage areas of the Premises.
- W2(b) The Licensee shall ensure that stormwater drains are kept clear of wind blown waste to allow effective draining.

ATTACHMENT 1 – PLAN OF PREMISES

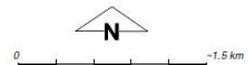
LICENCE NUMBER: L7329/1997/8

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LEGEND

-  Local Government Authorities
-  Road Centrelines  
Chittering 50cm Orthomosaic  
- Landgate 2008



Scale 1:51415  
(Approximate when reproduced at A4)

Geocentric Datum Australia 1994

Note: the data in this map have not been projected. This may result in geometric distortion or measurement inaccuracies.

Prepared by: elizabethw  
Prepared for:  
Date: 2/11/2010 1:33:36 PM

Information derived from this map should be confirmed with the data custodian acknowledged by the agency acronym in the legend.



Department of Environment and Conservation

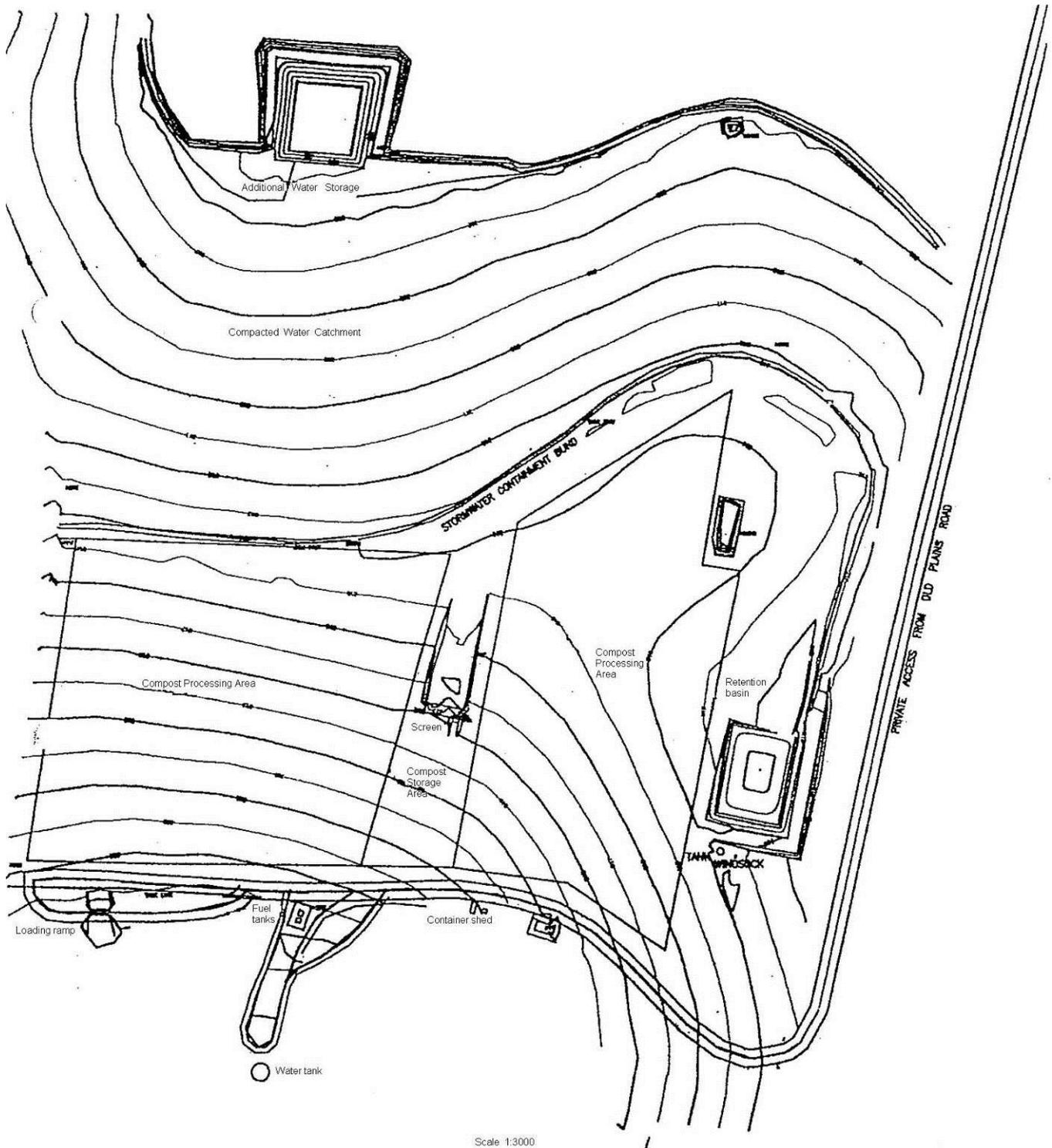
Our environment, our future  
WA Crown Copyright 2002

\* Project Data. This data has not been quality assured. Please contact map author for details.

ATTACHMENT 2 – LAYOUT OF PREMISES

LICENCE NUMBER: L7329/1997/8

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ATTACHMENT 3 – ANNUAL AUDIT COMPLIANCE REPORT

LICENCE NUMBER: L7329/1997/8

FILE NUMBER: 2010/002636

**SECTION A**

**LICENCE DETAILS**

Licence Number:	Licence File Number:
Company Name:	ABN:
Trading as:	
Reporting period: _____ to _____	

**STATEMENT OF COMPLIANCE WITH LICENCE CONDITIONS**

1. Were all conditions of licence complied with within the reporting period? (please tick the appropriate box)

- Yes  Please proceed to Section C  
No  Please proceed to Section B

Each page must be initialed by the person(s) who signs Section C of this annual audit compliance report

INITIAL: \_\_\_\_\_

**ATTACHMENT 3 – ANNUAL AUDIT COMPLIANCE REPORT**

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**SECTION B - DETAILS OF NON-COMPLIANCE WITH LICENCE CONDITION.**

Please use a separate page for each licence condition that was not complied with.

a) Licence condition not complied with?	
b) Date(s) when the non compliance occurred, if applicable?	
c) Was this non-compliance reported to DER?	
<input type="checkbox"/> Yes <input type="checkbox"/> Reported to DER verbally    Date _____ <input type="checkbox"/> Reported to DER in writing    Date _____	<input type="checkbox"/> No
d) Has DER taken, or finalised any action in relation to the non compliance?	
e) Summary of particulars of non compliance, and what was the environmental impact?	
f) If relevant, the precise location where the non compliance occurred (attach map or diagram)	
g) Cause of non compliance	
h) Action taken or that will be taken to mitigate any adverse effects of the non compliance	
i) Action taken or that will be taken to prevent recurrence of the non compliance	

Each page must be initialed by the person(s) who signs Section C of this annual audit compliance report

INITIAL: \_\_\_\_\_

**ATTACHMENT 3 – ANNUAL AUDIT COMPLIANCE REPORT**

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**SECTION C - SIGNATURE AND CERTIFICATION**

This Annual Audit Compliance Report may only be signed by a person(s) with legal authority to sign it. The ways in which the Annual Audit Compliance Report must be signed and certified, and the people who may sign the statement, are set out below.

Please tick the box next to the category that describes how this Annual Audit Compliance Report is being signed. If you are uncertain about who is entitled to sign or which category to tick, please contact the licensing officer for your Premises.

If the licence holder is	The Annual Audit Compliance Report must be signed and certified:
an individual	<input type="checkbox"/> by the individual licence holder, or <input type="checkbox"/> by a person approved in writing by the Chief Executive Officer of the Department of Environment Regulation to sign on the Licensee's behalf.
A firm or other unincorporated company	<input type="checkbox"/> by the principal executive officer of the Licensee; or <input type="checkbox"/> by a person with authority to sign on the Licensee's behalf who is approved in writing by the Chief Executive Officer of the Department of Environment Regulation.
A corporation	<input type="checkbox"/> by affixing the common seal of the Licensee in accordance with the Corporations Act 2001; or <input type="checkbox"/> by two directors of the Licensee; or <input type="checkbox"/> by a director and a company secretary of the Licensee, or <input type="checkbox"/> if the Licensee is a proprietary company that has a sole director who is also the sole company secretary – by that director, or <input type="checkbox"/> by the principal executive officer of the Licensee; or <input type="checkbox"/> by a person with authority to sign on the Licensee's behalf who is approved in writing by the Chief Executive Officer of the Department of Environment Regulation.
A public authority (other than a local government)	<input type="checkbox"/> by the principal executive officer of the Licensee; or <input type="checkbox"/> by a person with authority to sign on the Licensee's behalf who is approved in writing by the Chief Executive Officer of the Department of Environment Regulation.
a local government	<input type="checkbox"/> by the chief executive officer of the Licensee; or <input type="checkbox"/> by affixing the seal of the local government.

*It is an offence under section 112 of the Environmental Protection Act 1986 for a person to give information on this form that to their knowledge is false or misleading in a material particular. There is a maximum penalty of \$50,000 for an individual or body corporate.*

I/We declare that the information in this annual audit compliance report is correct and not false or misleading in a material particular.

SIGNATURE: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

NAME: (printed) \_\_\_\_\_

NAME: (printed) \_\_\_\_\_

POSITION: \_\_\_\_\_

POSITION: \_\_\_\_\_

DATE: \_\_\_\_/\_\_\_\_/\_\_\_\_

DATE: \_\_\_\_/\_\_\_\_/\_\_\_\_

SEAL (if signing under seal)



# Decision Document

## *Environmental Protection Act 1986, Part V*

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**Proponent:** Atlas Group Pty Ltd

**Licence:** L7329/1997/8

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**Registered office:** 501 Alexander Drive  
MALAGA WA 6061

**ACN:** 009 061 063

**Premises address:** Atlas Composting Facility  
1686 Calingiri Road  
OLD PLAINS WA 6569  
Being part Lot M2043 on Plan 6168

**Issue date:** Friday, 5 November 2010

**Commencement date:** Wednesday, 10 November 2010

**Expiry date:** Wednesday, 9 November 2016

### **Decision**

Based on the assessment detailed in this document the Department of Environment Regulation (DER) has decided to issue an amended licence. DER considers that in reaching this decision, it has taken into account all relevant considerations.

Decision Document prepared by: Lauren Fox  
Licensing Officer

Decision Document authorised by: Alan Kietzmann  
Delegated Officer



## Contents

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### 1 Purpose of this Document

This decision document explains how DER has assessed and determined the application and provides a record of DER's decision-making process and how relevant factors have been taken into account. Stakeholders should note that this document is limited to DER's assessment and decision making under Part V of the *Environmental Protection Act 1986*. Other approvals may be required for the proposal, and it is the proponent's responsibility to ensure they have all relevant approvals for their Premises.



## 2 Administrative summary

Administrative details		
Application type	Works Approval <input type="checkbox"/>	<input type="checkbox"/>
	New Licence <input type="checkbox"/>	<input type="checkbox"/>
	Licence amendment <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Works Approval amendment <input type="checkbox"/>	<input type="checkbox"/>
Activities that cause the premises to become prescribed premises	<b>Category number(s)</b>	<b>Assessed design capacity</b>
	67A	More than 5,000 but no more than 50,000 tonnes per year
Application verified	Date: 21/09/2015	
Application fee paid	Date: 25/09/2015	
Works Approval has been complied with	Yes <input type="checkbox"/>	No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
Compliance Certificate received	Yes <input type="checkbox"/>	No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
Commercial-in-confidence claim	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Commercial-in-confidence claim outcome	N/A	
Is the proposal a Major Resource Project?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Was the proposal referred to the Environmental Protection Authority (EPA) under Part IV of the <i>Environmental Protection Act 1986</i> ?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Is the proposal subject to Ministerial Conditions?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Does the proposal involve a discharge of waste into a designated area (as defined in section 57 of the <i>Environmental Protection Act 1986</i> )?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Is the Premises within an Environmental Protection Policy (EPP) Area	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Environmental Protection South West Agriculture Zone Wetlands Policy 1998		
Is the Premises subject to any EPP requirements?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
The nearest wetland that applies to this Policy is located at least 50 km from this Premises.		



### 3 Executive summary of proposal and assessment

The premises is located within the Shire of Victoria Plains in an area zoned as Rural with the majority of the land in the area having been cleared for farming. A large area of bushland is located west of the premises which is used for commonwealth/army purposes. This bushland and the premises are within an area confirmed as breeding areas for Carnaby's Cockatoos.

The premises is located with the Environmental Protection South West Agriculture Zone Wetlands Policy 1998 area, however the premises is not within or surrounding a protected wetland area. The closest wetland that this Policy applies to is the Koojiedda Swamp, located at least 50 km south of the premises; therefore the requirements of this Policy are not applicable to the site.

Limited information is known on the depth to groundwater, aquifer specification and geological setting however the Department of Water's 'Hydrogeological Atlas' identifies groundwater quality to be saline. The premises is not within or surrounding a Public Drinking Water Source Area.

The occupier accepts the organic fraction of municipal solid waste processed at a solid waste premises. The organic material is screened on site with undesired residual wastes (glass, plastics) removed from the process. The organic waste is placed in open windrows which are turned on a regular basis for aeration. Windrows are monitored for moisture, temperature and carbon dioxide content throughout the composting process. Manures and controlled wastes are not accepted at the premises. The occupier does not exceed 50,000 tonnes of compost each year with the premises operating at full capacity.

This licence is the result of an amendment to the expiry date of the licence by one year. The existing emissions and controls for the premises have not been reassessed as part of this amendment with the exception of dust and odour emissions. Dust and odour conditions have been removed from the licence as these can be sufficiently regulated under the general provisions of the *Environmental Protection Act 1986*.

Minor changes such as the inclusion of and the changing of references in some of the general conditions have been undertaken in accordance with DER's licensing policy. The address of occupier has been changed to the registered office address as the previous licence listed this as a PO Box address. The Premises location has also been updated to reflect the road and suburb details as described on DER's GIS mapping software system. It is recommended that all emissions and discharges from this premises are reassessed either as part of an amendment or as part of the licence renewal next year.



## 4 Decision table

All applications are assessed in line with the *Environmental Protection Act 1986*, the *Environmental Protection Regulations 1987* and DER's Operational Procedure on Assessing Emissions and Discharges from Prescribed Premises. Where other references have been used in making the decision they are detailed in the decision document.

<b>DECISION TABLE</b>			
<b>Works Approval / Licence section</b>	<b>Condition number</b>	<b>Justification (including risk description &amp; decision methodology where relevant)</b>	<b>Reference documents</b>
<b>Definitions</b>	N/A	<p>The definitions of 'Act', 'compost', 'composting', 'leachate' and 'licence' have been included onto the licence as these words are described in the licence and have been included in accordance with DER's licensing process.</p> <p>The definition of 'Director' has been replaced with 'CEO' and the correspondence address has been amended to the current contact details. 'Licensee' and 'Premises' have also been updated in line with DER's current definitions.</p>	
<b>General conditions</b>	G2(a), G2(c) and G6	<p>Conditions G2(a) and G2(b) refer to annual monitoring requirements for the submission of an Annual Monitoring Report and Annual Audit Compliance Report. The previous conditions required these reports to be submitted to the Director. Under this licence, these conditions have been amended to replace the word 'Director' with 'CEO' in accordance with DER's licensing process. Condition G2(c) has also been amended to refer only to 'Act' instead of the '<i>Environmental Protection Act 1986</i>'. The definition of Act has been included in the licence.</p> <p>Condition A2 of the previous licence specified that no waste was to be burnt at the premises. This condition has been moved from the previous section "Air Pollution Control Conditions" into the "General Conditions" section. As described below, conditions A1 and A3 have been removed from the licence therefore the "Air Pollution Control Conditions" section has been removed from the licence as there are no conditions within this section.</p>	N/A
<b>Fugitive</b>	A1	The previous licence included condition A1 which required the licensee to maintain	<i>Environmental</i>



<b>DECISION TABLE</b>			
<b>Works Approval / Licence section</b>	<b>Condition number</b>	<b>Justification (including risk description &amp; decision methodology where relevant)</b>	<b>Reference documents</b>
<b>emissions</b>		stockpiles, processing areas, open areas and vehicular access areas in a damp condition to prevent dust emissions. Dust emissions can be sufficiently regulated under section 49 of the <i>Environmental Protection Act 1986</i> , therefore this condition has been removed from the licence.	<i>Protection Act 1986</i>
<b>Odour</b>	A3	The previous licence included condition A3 which required the licensee to aerate compost windrows to minimise odour. Odour emissions can be sufficiently regulated under section 49 of the <i>Environmental Protection Act 1986</i> , therefore this condition has been removed from the licence.	<i>Environmental Protection Act 1986</i>
<b>Licence Duration</b>	N/A	The expiry date of this licence has been extended for twelve months. Within the remaining term of the licence, a complete reassessment of the licence will be completed to ensure it is in line with current legislation and is appropriate to the risk of emissions at the premises.	



## 5 Advertisement and consultation table

Date	Event	Comments received/Notes	How comments were taken into consideration
8/10/2015	Proponent sent a copy of draft instrument	Proponent provided a signed waiver for the 21 day comment period on 20/10/2015. The proponent indicated that they wish the amendment to be issued as soon as possible.	N/A



## 6 Risk Assessment

*Note: This matrix is taken from the DER Corporate Policy Statement No. 07 - Operational Risk Management*

**Table 1: Emissions Risk Matrix**

Likelihood	Consequence				
	Insignificant	Minor	Moderate	Major	Severe
Almost Certain	Moderate	High	High	Extreme	Extreme
Likely	Moderate	Moderate	High	High	Extreme
Possible	Low	Moderate	Moderate	High	Extreme
Unlikely	Low	Moderate	Moderate	Moderate	High
Rare	Low	Low	Moderate	Moderate	High