

WESTERN AUSTRALIA

DEPARTMENT OF ENVIRONMENT AND CONSERVATION

Environmental Protection Act 1986

LICENCE NUMBER: 7799/5

FILE NUMBER: L30/01

PREAMBLE

The following statements in this Preamble either reflect important sections of the Environmental Protection Act 1986 or provide relevant background information for the licensee. They should not be regarded as conditions of licence.

Applicability

This licence is issued to Southern Metropolitan Regional Council for the Regional Resource Recovery Centre (RRRC) Waste Composting Facility, located at Lot 78 on Plan 2903 and Lot 85 on Plan 2903, 350 Bannister Road, Canning Vale, which is a prescribed premises within Schedule 1 of the *Environmental Protection Regulations 1987*, and includes, but is not necessarily limited to, the following operations:

- The composting of putrescible waste and biosolids.

This facility is prescribed within Schedule 1 of the *Environmental Protection Regulations 1987* as outlined in Table 1;

Table 1: Category under which the Regional Resource Recovery Centre (RRRC) Waste Composting Facility premises is prescribed.

<i>Category number</i>	<i>Category name</i>	<i>Description</i>
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.

Nominal Rated Throughput

The nominal rated throughput of the premises covered by this licence is in accordance with the following:

- Production or design capacity: 50,000 to 100 000 tonnes per year

Any increase greater than 10% per cent above the nominal rated throughput listed shall not occur unless the licensee has been granted prior approval in writing from the Director under the provisions of the *Environmental Protection Act 1986*.

Ministerial Conditions

It should be noted that this premises is also subject to conditions set by the Minister for the Environment under Part IV of the *Environmental Protection Act 1986*. The licensee is required to comply with the requirements of the Minister's Statement (Statement 517), (Bulletin 938) as well as those in this licence.

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Emergency, Accident or Malfunction

The licensee should inform the Director as soon as is practicable after the identification of any discharge of waste which has occurred as a result of an emergency, accident or malfunction, or extreme weather conditions, otherwise than in accordance with any condition of this works approval and has caused or is likely to cause pollution.

Alteration to Premises

Prior to making any significant alterations to the premises which may affect the air, water or noise emissions from the premises the Licensee must submit a proposal to the Director accompanied by supporting information and plans that allow the environmental impact of the change to be assessed.

General Requirements

The following statements reflect important sections of the *Environmental Protection Act 1986* and are included for the information of the licensee:

- The licensee should take all reasonable and practicable measures to prevent pollution of the environment.
- Noise emissions from operations on site are required to comply with the *Environmental Protection (Noise) Regulations 1997*.
- The licensee should take all reasonable and practicable measures to prevent or minimise the discharge of waste and the emission of noise, odours or electromagnetic radiation from the premises.
- The licensee should inform the Director at least 24 hours prior to the commencement of any planned non-standard operations, which may have the potential to cause pollution

Storage and Disposal of Used Tyres

The storage and disposal of used tyres is controlled under the *Environmental Protection Regulations 1987*. Where more than 100 used tyres are to be stored at a landfill site or transfer station, a licence is required. The licensee is encouraged to make used tyres available for reuse and/or recycling.

Compliance with other Acts, Regulations and Policy

The licensee should be aware that these conditions do not exempt them from other statutory obligations under the *Bush Fires Act*, *Environmental Protection Act 1986*, *Health Act 1911* or *Environmental Protection (Controlled Waste) Regulations 2004*. Where there is a conflict between the conditions set in this licence and any Act or Regulation, the latter takes precedence.

CONDITIONS OF LICENCE

DEFINITIONS

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

'approved' and 'approval' means approved and approval in writing from time to time, respectively;

'Landfill Waste Classification and Waste Definitions 1996 (as amended)', means the document issued by the Chief Executive Officer of the Department of Environmental Protection;

"premises" for the purposes of this licence means Lot 78 on Plan 2903 and **Lot 77** on Plan 2903, 350 Bannister Road, Canning Vale **as shown in Attachment 2.**

'putrescible waste' means a waste stream likely to become putrid as defined in the document titled 'Landfill Waste Classification and Waste Definitions 1996 (as amended)'; and including grease trap waste.

'Director' means the Director of the Environmental Regulation Division of the Department of Environment and Conservation for and on behalf of the Chief Executive Officer as delegated under Section 20 of the *Environmental Protection Act 1986*;

'Director' or 'Department of Environment and Conservation' for the purposes of correspondence means-

Program Manager, Environmental Regulation Unit
Swan Region
Department of Environment and Conservation
Locked Bag 104
Bentley Delivery Centre WA 6983

Booragoon Office:
181-205 Davy Street
Booragoon WA 6154

Telephone: 9333 7510
Facsimile: 9333 7550

GENERAL CONDITIONS

MONITORING AND REPORTING

G1(a) The licensee shall provide to the Director a copy of the annual monitoring report containing the monitoring data required by any condition of this licence. The report shall contain data collected **27 October to 26 October the following year** and shall be provided by **8 November each year** in a format approved by the Director.

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- G1(b) The report shall include, but not be limited to, an assessment of the data against any limits set in this licence or other environmental guidelines or policies and data from previous years' monitoring. It shall identify any data exceeding those limits, guidelines or policies and provide information on why the exceedance occurred (if known) and action taken by the licensee to prevent recurrence of such exceedances.
- G1(c) The licensee shall provide details of:
- (i) measures taken to control pests and vermin;
 - (ii) number and severity of any fires on the premises;
 - (iii) measures taken to suppress dust;
 - (iv) measures taken to control windblown waste;
 - (v) the number and type of complaints received including complainants name, address, nature of complaint (where appropriate cross referenced with prevailing wind directions) and action taken.
 - (vi) The annual monitoring report should also include, as appropriate, any changes to the premises boundaries, internal buffer zones, and location of groundwater monitoring bores.
 - (vii) Any issues raised by the Department of Environment and Conservation (eg arising from inspections) during the reporting period should also be summarised together with details on how these have been addressed/rectified or, if the required work has yet to be completed, how and when they will be rectified/completed.
- G1(d) The licensee shall list any monitoring methods used to collect and analyse data required by any condition of this licence to demonstrate they comply with the methods specified in this licence.

ANNUAL AUDIT COMPLIANCE REPORT (AACR)

- G2 The licensee shall by 8 November in each year, provide to the CEO an annual audit compliance report in the form in Attachment 1 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 period beginning 27 October in the previous year and ending on 26 October in that year.

WASTE LIMIT

- G3 The licensee shall not store more than 3000 cubic metres of waste material at any one time in the tipping building unless prior approval from the Director has been given.

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WASTE REMOVAL

- G4 The licensee shall ensure that all waste material accepted at the premises is fed into the digesters within 72 hours of receipt.

WASTE ACCEPTANCE

- G5(a) The licensee shall ensure that only putrescible waste is accepted for composting.
- G5(b) The licensee shall ensure the following procedures are in place for managing wastes other than those listed for acceptance in licence condition G5(a):
- (i) where the licensee is notified or is aware of the disposal of contaminated wastes, the waste should be inspected and identified for the potential level of hazard;
 - (ii) where such loads are identified, record the nature of the load, the delivery vehicle's registration number, driver's name and volume delivered; and
 - (iii) the information recorded or maintained in accordance with parts (i) and (ii) of this condition shall be made available for viewing or copying by the Director during any inspection of the premises.

WASTE STORAGE

- G6 (a) The licensee shall store all putrescible waste in the tipping building.
- G6 (b) All non-solid putrescible wastes shall be stored in the designated biosolids storage tank SB001.

FENCING

- G7(a) The licensee shall maintain a fence at least 1.8 m high around the whole of the perimeter of the premises as per Attachment 1. The licensee shall ensure that any entrance to the premises is securely locked when the premises are unattended.
- G7(b) The licensee shall ensure that daily inspections of the fence and gates referred to in condition G7(a) are undertaken and that any damage to the fence is repaired within one working day of its discovery.

WIND BLOWN WASTE

- G8(a) The licensee shall ensure that any wind blown waste is removed from the premises fences and roads, and any wind blown waste emanating from the premises is collected and removed on a weekly basis.
- G8(b) The licensee shall cover or enclose all waste material prior to it leaving the premises.

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AIR POLLUTION CONTROL CONDITIONS

DUST - GENERAL REQUIREMENT

A1 The licensee shall use water sprays and covers to prevent or minimise the potential for dust generation from transport activities and operations on the premises so that no visible dust crosses the boundary of the Premises.

FIRE MANAGEMENT

A2(a) The licensee shall ensure that no waste is burnt on the premises.

A2(b) The licensee shall ensure the approved fire management strategy for the premises is implemented and updated as required.

ODOUR CONTROL

A3 The licensee shall ensure all odorous gases collected from the operations pass through the biofilter and associated pollution control equipment prior to being discharged into the environment.

A4 The licensee shall ensure the biofilter and associated pollution control equipment is maintained and operated in good working order.

A5 The licensee shall ensure that odour emitted from the premises does not unreasonably interfere with the health, welfare, convenience, comfort or amenity of any person who is not on the premises.

A6 In the event normal operations cease due to failure or malfunction of plant equipment, the licensee shall inform the Director within 24 hours of the cause, duration of closure, time of startup and remedies taken to rectify the problem.

WATER POLLUTION CONTROL CONDITIONS

DRAINAGE

W1(a) The licensee shall direct stormwater away from the premises into dedicated stormwater drains as per Attachment 1

W1(b) The licensee shall ensure stormwater drains on the premises are kept clear of waste to allow for their effective use.

W1(c) The licensee shall direct stormwater into a sedimentation pond prior to its release off the premises or into an infiltration basin on the premises.

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W1(d) The licensee shall ensure that liquid emanating from the waste receipt and sorting/transfer areas and vehicle washdown areas on the premises is captured in impermeable sumps and pipes then stored in storage tanks. Leachate shall be reused in the composting process where possible. Any excess leachate shall be disposed of either through the reticulated sewage system of the Water Corporation of WA or by removal from the premises.

LIQUID CHEMICAL STORAGE

W2(a) The licensee shall store environmentally hazardous chemicals including, but not limited to, fuel, oil or other hydrocarbons (where the total volume of each substance stored on the premises exceeds 250 litres) within low permeability (10^{-9} metres per second or less) compound(s) designed to contain not less than 110% of the volume of the largest storage vessel or inter-connected system, and at least 25% of the total volume of substances stored in the compound.

W2(b) The compound(s) described in part (a) to this condition shall:

- i) be graded or include a sump to allow recovery of liquid;
- ii) be chemically resistant to the substances stored;
- iii) include valves, pumps and meters associated with transfer operations wherever practical. Otherwise the equipment shall be adequately protected (eg. bollards) and contained in an area designed to permit recovery of chemicals released following accidents or vandalism;
- iv) be designed such that jetting from any storage vessel or fitting will be captured within the bunded area [see for example Australian Standard 1940-1993 Section 5.9.3 (g)];
- v) be designed such that chemicals which may react dangerously if they come into contact, are in separate bunds in the same compound or in different compounds; and
- vi) be controlled such that the capacity of the bund is maintained at all times (eg. regular inspection and pumping of trapped uncontaminated rain water).

W2(c) The licensee shall immediately remove and dispose of any liquid resulting from spills or leaks of chemicals including fuel, oil or other hydrocarbons, whether inside or outside the low permeability compound(s), in a manner approved by the Director.

W2 (d) The licensee shall keep a record of any incident that included the loss of chemicals including fuel, oil or other hydrocarbons and provide a summary of each incident in the annual report required in condition G1.

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GROUNDWATER MONITORING

W3 (a) The licensee shall, at the frequencies stated, take and have analysed representative groundwater samples from the following monitoring sites (Attachment 2 and 3) in collaboration with the South Metropolitan Regional Council:

Monitoring bores	Sampling frequency	Parameters to be measured
GWMB 1, GWMB 2 GWMB 3 GWMB 4	Biannually (April to May and September to October)	PH, Conductivity, Nitrate-nitrogen, Ammonia-nitrogen, Total Nitrogen, Total Potassium, Chloride, Total Soluble Solids, Lead, Manganese, Copper, Chromium, Nickel, Zinc, Cadmium and Standing Water Level (SWL)*

*SWL shall be determined prior to collection of other water samples

With the exception of pH, SWL and conductivity all measurements are to be reported in mg/L.

W3 (b) All water samples shall be collected in accordance with Australian Standard 5667.1,1998, or other method(s) approved by the Director.

W3 (c) All water samples shall be submitted to a laboratory with current NATA registration for the analyses specified, and analysed in accordance with the current "Standard Methods for Examination of Water and Wastewater-APHA-AWWA-WEF", unless another laboratory or alternative method is approved by the Director.

W3 (d) The licensee shall ensure that the recorded results of the sampling and analysis referred to in conditions W3(a), (b) and (c) are provided to the Director in accordance with condition G1(a).

.....
Officer delegated under Section 20
of the *Environmental Protection Act 1986*

Date of Issue: Thursday 16 October, 2008

Licence issue date: Thursday, 16 October 2008

Licence amendment date: Draft

Attachment 1

Annual Audit Compliance Report (AACR)

**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 1

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 DEC?	
<input type="checkbox"/> Yes <input type="checkbox"/> Reported to DEC verbally Date _____ <input type="checkbox"/> Reported to DEC in writing Date _____	<input type="checkbox"/> No
d) Has DEC 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 1

**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"/> <input type="checkbox"/>	by the individual licence holder, or by a person approved in writing by the Chief Executive Officer of the Department of Environment and Conservation to sign on the licensee's behalf.
A firm or other unincorporated company	<input type="checkbox"/> <input type="checkbox"/>	by the principal executive officer of the licensee; or 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 and Conservation.
A corporation	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	by affixing the common seal of the licensee in accordance with the Corporations Act 2001; or by two directors of the licensee; or by a director and a company secretary of the licensee, or if the licensee is a proprietary company that has a sole director who is also the sole company secretary – by that director, or by the principal executive officer of the licensee; or 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 and Conservation.
A public authority (other than a local government)	<input type="checkbox"/> <input type="checkbox"/>	by the principal executive officer of the licensee; or 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 and Conservation.
a local government	<input type="checkbox"/> <input type="checkbox"/>	by the chief executive officer of the licensee; or 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: _____
 NAME: _____
 (printed) _____
 POSITION: _____
 DATE: ____/____/____
 SEAL (if signing under seal)

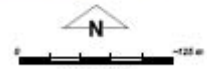
SIGNATURE: _____
 NAME: _____
 (printed) _____
 POSITION: _____
 DATE: ____/____/____

Attachment 2



LEGEND

- Cadastro
- Local Government Authority
- Swan River Trust Act, Swan River Trust Management Area
- Road Centrelines
- Perth Metropolitan Area Central 250m Orthomosaic - Landsat 2007



Scale 1:4502
 (Approximate when reproduced at Label)
 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: ptelego
 Prepared for:
 Date: 15/02/2010 9:44:55 AM

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

