



Licence

Environmental Protection Act 1986, Part V

Licensee: Shire of Donnybrook-Balingup

Licence: L7084/1997/16

Registered office: 1 Bentley Street
DONNYBROOK WA 6239

Premises address: Donnybrook Waste Management Facility
Goodwood Road
PAYNEDALE WA 6239
Being State Forest 27 (Interim Tenancy Agreement No. 911/97) as depicted in Schedule 1.

Issue date: Thursday, 4 June 2015

Commencement date: Wednesday, 17 June 2015

Expiry date: Tuesday, 16 June 2020

Prescribed premises category
Schedule 1 of the *Environmental Protection Regulations 1987*

Category number	Category description	Category production or design capacity	Approved Premises production or design capacity
62	Solid waste depot: premises on which waste is stored, or sorted, pending final disposal or re-use.	500 tonnes or more per year	500 tonnes per annual period.
64	Class II putrescible landfill site: premises on which waste (as determined by reference to the waste type set out in the document "Landfill Waste Classification and Waste Definitions 1996" published by the Chief Executive Officer, as amended from time to time) is accepted for burial.	20 tonnes or more per year	6,700 tonnes per annual period.



Conditions

This Licence is subject to the conditions set out in the attached pages.

Date signed: 4 February 2016

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Caron Goodbourn
Officer delegated under section 20
of the *Environmental Protection Act 1986*

Contents

Licence	1
Contents	2
Introduction	2
Licence conditions	5
1 General	5
2 Monitoring	10
3 Information	11
Schedule 1: Maps	13
Schedule 2: Reporting & notification forms	14

Introduction

This Introduction is not part of the Licence conditions.

DER’s industry licensing role

The Department of Environment Regulation (DER) is a government department for the state of Western Australia in the portfolio of the Minister for Environment. DER’s purpose is to advise on and implement strategies for a healthy environment for the benefit of all current and future Western Australians.

DER has responsibilities under Part V of the *Environmental Protection Act 1986* (the Act) for the licensing of prescribed premises. Through this process DER regulates to prevent, control and abate pollution and environmental harm to conserve and protect the environment. DER also monitors and audits compliance with works approvals and licence conditions, takes enforcement action as appropriate and develops and implements licensing and industry regulation policy.

Licence requirements

This Licence is issued under Part V of the Act. Conditions contained within the Licence relate to the prevention, reduction or control of emissions and discharges to the environment and to the monitoring and reporting of them.

Where other statutory instruments impose obligations on the Premises/Licensee the intention is not to replicate them in the licence conditions. You should therefore ensure that you are aware of all your statutory obligations under the Act and any other statutory instrument. Legislation can be accessed



through the State Law Publisher website using the following link:

<http://www.slp.wa.gov.au/legislation/statutes.nsf/default.html>

For your Premises relevant statutory instruments include but are not limited to obligations under the:

- *Environmental Protection (Unauthorised Discharges) Regulations 2004* – these Regulations make it an offence to discharge certain materials such as contaminated stormwater into the environment other than in the circumstances set out in the Regulations.
- *Environmental Protection (Controlled Waste) Regulations 2004* - these Regulations place obligations on you if you produce, accept, transport or dispose of controlled waste.
- *Environmental Protection (Noise) Regulations 1997* – these Regulations require noise emissions from the Premises to comply with the assigned noise levels set out in the Regulations.

You must comply with your licence. Non-compliance with your licence is an offence and strict penalties exist for those who do not comply.

Licence holders are also reminded of the requirements of section 53 of the Act which places restrictions on making certain changes to prescribed premises unless the changes are in accordance with a works approval, licence, closure notice or environmental protection notice.

Licence fees

If you have a licence that is issued for more than one year, you are required to pay an annual licence fee prior to the anniversary date of issue of your licence. Non payment of annual licence fees will result in your licence ceasing to have effect meaning that it will no longer be valid and you will need to apply for a new licence for your Premises.

Ministerial conditions

If your Premises has been assessed under Part IV of the Act you may have had conditions imposed by the Minister for Environment. You are required to comply with any conditions imposed by the Minister.

Premises description and Licence summary

The Shire of Donnybrook-Balingup (the Shire) operates a Class II putrescible landfill site, licensed by DER to accept 3500 tonnes per year of municipal waste. The site is located approximately 2.5 km southwest of the town of Donnybrook. An "Interim Tenancy Agreement" exists between the Shire and the Department of Parks and Wildlife to allow the use of the land (classed as State Forest) as a landfill (a request to excise the land from State Forest is pending). The site and surrounding area are currently zoned as "Boyanup State Forest".

Potential emissions from the operation of this site are odour and fugitive emissions from leachate.

This Licence is the result of an amendment sought by the proponent to increase their Category 64 production and design capacity from 3500 tonnes per year to 6700 tonnes per year. There is a solid waste depot at the premises so Category 62 solid waste depot has been added to the licence to allow recycling operations at the premises. The licence has also been converted to the new licence format.



The licences and works approvals issued for the Premises since 2000 are:

Instrument log		
Instrument	Issued	Description
L7084/1997/4	30/6/2000	Licence re-issue
L7084/1997/5	30/6/2001	Licence re-issue
L7084/1997/6	30/6/2002	Licence re-issue
L7084/1997/7	10/7/2003	Licence re-issue
L7084/1997/8	8/7/2004	Licence re-issue
L7084/1997/9	17/06/2005	Licence re-issue
L7084/1997/10	17/6/2005	Licence re-issue
L7084/1997/11	17/6/2007	Licence re-issue
L7084/1997/12	17/6/2008	Licence re-issue
L7084/1997/13	17/6/2009	Licence re-issue
L7084/1997/14	17/6/2010	Licence re-issue
L7084/1997/15	17/6/2011	Licence re-issue
L7084/1997/16	4/6/2015	Licence re-issue
L7084/1997/16	4/2/2016	Licence amendment to increase Category 64 production and design capacity and add Category 62 to the licence

Severance

It is the intent of these Licence conditions that they shall operate so that, if a condition or a part of a condition is beyond the power of this Licence to impose, or is otherwise *ultra vires* or invalid, that condition or part of a condition shall be severed and the remainder of these conditions shall nevertheless be valid to the extent that they are within the power of this Licence to impose and are not otherwise *ultra vires* or invalid.

END OF INTRODUCTION



Licence conditions

1 General

1.1 Interpretation

1.1.1 In the Licence, definitions from the *Environmental Protection Act 1986* apply unless the contrary intention appears.

1.1.2 For the purposes of this Licence, unless the contrary intention appears:

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

'AHD' means the Australian height datum;

'annual period' means the inclusive period from 1 January until 31 December in the same year;

'AS/NZS 5667.1' means the Australian Standard AS/NZS 5667.1 *Water Quality – Sampling – Guidance of the Design of sampling programs, sampling techniques and the preservation and handling of samples*;

'AS/NZS 5667.11' means the Australian Standard AS/NZS 5667.11 *Water Quality – Sampling – Guidance on sampling of groundwaters*;

'averaging period' means the time over which a limit or target is measured or a monitoring result is obtained;

'Clean Fill' has the meaning defined in the Landfill Definitions

'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 Bag 33
CLOISTERS SQUARE WA 6850
Telephone: (08) 9333 7510
Facsimile: (08) 9333 7550
Email: info@der.wa.gov.au;

'Contaminated Solid Waste' has the meaning defined in the Landfill Definitions;

'controlled waste' has the definition in *Environmental Protection (Controlled Waste) Regulations 2004*;

'greenwaste' means biodegradable waste comprising plants and their component parts such as flower cuttings, hedge trimmings, branches, grass, leaves, plants, seeds, shrub and tree loppings; tree trunks, tree stumps and similar materials and includes any mixture of those materials;

'Inert Waste Type 1' has the meaning defined in the Landfill Definitions;



'Inert Waste Type 2' has the meaning defined in the Landfill Definitions;

'Landfill Definitions' means the document titled "Landfill Waste Classification and Waste Definitions 1996" published by the Chief Executive Officer of the Department of Environment as amended from time to time;

'Licence' means this Licence numbered L7084/1997/16 and issued under the Act;

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

'NATA' means the National Association of Testing Authorities, Australia;

'NATA accredited' means in relation to the analysis of a sample that the laboratory is NATA accredited for the specified analysis at the time of the analysis;

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

'Putrescible Waste' has the meaning defined in the Landfill Definitions;

'Schedule 1' means Schedule 1 of this Licence unless otherwise stated;

'Schedule 2' means Schedule 2 of this Licence unless otherwise stated;

'six monthly' means the 2 inclusive periods from 1 January to 30 June and 1 July to 31 December in the same year;

'Special Waste Type 1' has the meaning defined in the Landfill Definitions;

'Special Waste Type 2' has the meaning defined in the Landfill Definitions;

'spot sample' means a discrete sample representative at the time and place at which the sample is taken;

'µS/cm' means microsiemens per centimetre; and

'windrows' means parallel rows of mulched or unmulched green waste where each row is no more than 3 metres high and no more than 4 metres wide and separated by at least 5 metres of clear ground from any other row, the boundary of the site or from other combustible waste.

1.1.3 Any reference to an Australian or other standard in the Licence means the relevant parts of the standard in force from time to time during the term of this Licence.

1.1.4 Any reference to a guideline or code of practice in the Licence means the version of that guideline or code of practice in force from time to time, and shall include any amendments or replacements to that guideline or code of practice made during the term of this Licence.



1.2 General conditions

- 1.2.1 The Licensee shall manage stormwater on the site to ensure that:
- (a) it does not pond on the surface of the landfill;
 - (b) it is diverted away from those portions of the premises which are or have been used for waste deposition; and
 - (c) stormwater that is or has been in contact with waste is diverted into a sump on the site or otherwise retained on the site.

1.3 Premises operation

- 1.3.1 The Licensee shall only accept waste on to the Premises if:
- (a) it is of a type listed in Table 1.3.1; and
 - (b) the quantity accepted is below any quantity limit listed in Table 1.3.1;
 - (c) it meets any specification listed in Table 1.3.1; and
 - (d) in the case of contaminated solid waste is supported by documentation that demonstrates compliance with the acceptance criteria for Class II landfills.

Table 1.3.1: Waste acceptance		
Waste type	Quantity limit tonnes/annual period	Specification ¹
Inert Waste Type 1	Combined total of up to 6,700 tonnes per annual period	None specified
Inert Waste Type 2		Tyres and plastic only.
Special Waste Type 1		Must be wrapped in heavy duty plastic prior to acceptance.
Special Waste Type 2		None specified
Clean Fill		
Putrescible waste		
Contaminated solid waste		Must be supported by documentation that demonstrates compliance with the acceptance criteria for Class II landfills as defined in the document titled ' <i>Landfill Waste Classifications and Waste Definitions 1996 (As amended)</i> '.

- 1.3.2 The Licensee shall ensure that where waste does not meet the waste acceptance criteria set out in condition 1.3.1 it is removed from the Premises by the delivery vehicle or, where that is not possible, stored in a quarantined storage area or container and removed to an appropriately authorised facility as soon as practicable.



1.3.3 The Licensee shall ensure that wastes accepted onto the Premises are only subjected to the process(es) set out in Table 1.3.2 and in accordance with any process limits described in that Table.

Table 1.3.2: Waste processing		
Waste type	Process(es)	Process limits^{1,2}
All	Disposal of waste by landfilling	<ul style="list-style-type: none"> Disposal of waste by landfilling shall only take place within the landfill area shown in the Map in Schedule 1; No waste shall be landfilled within 35 metres from the boundary of the premises; The separation distance between the base of the landfill and the highest groundwater level shall not be less than 2m; Waste shall be placed within a defined trench or within an area enclosed by earthen or other bunds; The tipping area shall be restricted to a maximum linear length of 30 metres; Waste shall be spread in layers of not more than 500 mm thickness, prior to compaction; and Landfilling shall be managed so that the tipping area does not result in an exposed face exceeding 2m in vertical height. Not more than 6700 tonnes of waste may be buried per annual period
Green waste	Receipt, handling, associated storage and recycling prior to disposal of waste.	<ul style="list-style-type: none"> No more than 2000 cubic metres of greenwaste shall be stored at any one time; Greenwaste and mulched greenwaste must be stored in windrows and not in a dried state; No more than 1000 cubic metres of mulched greenwaste shall be stored at any one; and A five metre firebreak shall be maintained around the areas used to store greenwaste.
Inert Waste Type 1	Receipt, handling, storage prior to disposal by landfill	None specified
Clean Fill		
Inert Waste Type 2	Receipt, handling, storage and recycling prior to disposal by landfilling	Less than 100 tyres to be stored at the premises.
Special Waste Type 1	Receipt, handling, storage prior to disposal by landfilling	<ul style="list-style-type: none"> Only to be disposed of into a designated asbestos disposal area within the landfill; Not to be deposited within 2m of the final tipping surface of the landfill; and No works shall be carried out on the landfill that could lead to a release of asbestos fibres.



Special Waste Type 2	Receipt, handling, storage prior to disposal by landfilling	<ul style="list-style-type: none"> • Only to be disposed of into a designated biomedical waste disposal area within the landfill; • Not to be deposited within 2m of the final tipping surface of the landfill; and • No works shall be carried out on the landfill that could lead to biomedical wastes being excavated or uncovered.
Contaminated Solid Waste	Receipt, handling, storage prior to disposal by landfilling	None specified

Note 1: Requirements for landfilling tyres are set out in Part 6 of the *Environmental Protection Regulations 1987*.

Note 2: Additional requirements for the acceptance and landfilling of controlled waste (including asbestos and tyres) are set out in the *Environmental Protection (Controlled Waste) Regulations 2004*.

- 1.3.4 The Licensee shall manage the landfilling activities to ensure:
- waste is levelled and compacted as soon as practicable after it is discharged; and
 - waste is placed and compacted to ensure all faces are stable and capable of retaining rehabilitation material; and
 - rehabilitation of a cell or phase takes place within 6 months after disposal in that cell or phase has been completed.

- 1.3.5 The Licensee shall ensure that cover is applied and maintained on landfilled wastes in accordance with Table 1.3.3 and that sufficient stockpiles of cover are maintained on site at all times.

Table 1.3.3: Cover requirements			
Waste Type	Material	Depth	Timescales
Special Waste Type 1 (Asbestos)	Clean fill	1,000mm	As soon as practicable after deposit and prior to any compaction of the waste
Special Waste Type 2 (Biomedical and Clinical Waste)		1,000mm	Immediately
Inert Waste Type 2 – Tyres		100mm	Each batch of 100 tyres covered as soon as practicable after deposit
All other wastes		150mm	As soon as practicable and no later than the end of the working day

Note 1: Additional requirements for final cover of tyres are set out in Part 6 of the *Environmental Protection Regulations 1987*.

- 1.3.6 The Licensee shall implement the following security measures at the site:
- maintain suitable fencing to prevent unauthorised access to the site; and
 - ensure that any entrance gates to the premises are securely locked when the premises are unattended; and
 - undertake regular inspections of all security measures and repair damage as soon as practicable.



- 1.3.7 The Licensee shall take all reasonable and practical measures to ensure that no wind-blown waste escapes from the Premises and that wind-blown waste is collected on at least a weekly basis and returned to the tipping area.
- 1.3.8 The Licensee shall maintain a sign at the entrance to the premises which clearly displays
 - (a) A contact telephone number for information and complaints or notification of fires;
 - (b) A list of materials that are accepted;
 - (c) The types of waste that must not be deposited on the premises and a contact phone number for alternative disposal sites; and
 - (d) A warning, indicating penalties for people lighting fires.
- 1.3.9 The Licensee shall not burn or allow the burning of waste, including greenwaste, on the premises.
- 1.3.10 The Licensee shall ensure that there are appropriate procedures in place at the premises so that any unauthorised fire is promptly extinguished.

2 Monitoring

2.1 Monitoring of inputs and outputs

- 2.1.1 The Licensee shall undertake the monitoring in Table 2.1.1 according to the specifications in that table.

Table 2.1.1: Monitoring of inputs and outputs				
Input/Output	Parameter	Units	Averaging period	Frequency
Waste Inputs	Clean fill, Inert Waste Type 1, Inert Waste Type 2, Putrescible waste, Green waste, Special Waste Type 1, Special Waste Type 2, Hazardous waste, scrap metal, Contaminated Solid Waste.	Estimated m ³ and tonnages	N/A	Each batch arriving at premises
Waste landfilled	Waste type as defined in Landfill Definitions			Per annual period
Waste Outputs	Waste type as defined in Landfill Definitions			Each load rejected from the Premises



3 Information

3.1 Records

- 3.1.1 All information and records required by the Licence shall:
- (a) be legible;
 - (b) if amended, be amended in such a way that the original and subsequent amendments remain legible or are capable of retrieval;
 - (c) except for records listed in 3.1.1(d) be retained for at least 6 years from the date the records were made or until the expiry of the Licence or any subsequent licence; and
 - (d) for those following records, be retained until the expiry of the Licence and any subsequent licence:
 - (i) off-site environmental effects; or
 - (ii) matters which affect the condition of the land or waters.
- 3.1.2 The Licensee shall complete an Annual Audit Compliance Report indicating the extent to which the Licensee has complied with the conditions of the Licence, and any previous licence issued under Part V of the Act for the Premises for the previous annual period.
- 3.1.3 The Licensee shall implement a complaints management system that as a minimum records the number and details of complaints received concerning the environmental impact of the activities undertaken at the Premises and any action taken in response to the complaint.

3.2 Reporting

- 3.2.1 The Licensee 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 3.2.1 in the format or form specified in that table.

Table 3.2.1: Annual Environmental Report		
Condition or table (if relevant)	Parameter	Format or form¹
-	Summary of any incidents that have occurred during the annual period and any action taken	None specified
1.3.1	Documentation that demonstrates compliance with Class II waste acceptance	None specified
1.3.10	Number of fires at the premises	None specified
Table 2.1.1	Monitoring of inputs and outputs Estimated tonnages buried	None specified
3.1.2	Compliance	Annual Audit Compliance Report (AACR)
3.1.3	Complaints summary	None specified

Note 1: Forms are in Schedule 2



3.3 Notification

3.3.1 The Licensee shall ensure that the parameters listed in Table 3.3.1 are notified to the CEO in accordance with the notification requirements of the table.

Table 3.3.1: Notification requirements			
Condition or table (if relevant)	Parameter	Notification requirement¹	Format or form²
1.3.10	Unauthorised fire not extinguished within 2 hours	Immediately	Written or telephone call
	The date, time, cause and location of any unauthorised fire on the premises	Within 14 calendar days of a fire	None specified

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

Note 2: Forms are in Schedule 2



Schedule 1: Maps

Premises map

The Premises is shown in the map below. The red line depicts the Premises boundary.





Schedule 2: Reporting & notification forms

These forms are provided for the proponent to report monitoring and other data required by the Licence. They can be requested in an electronic format.

ANNUAL AUDIT COMPLIANCE REPORT PROFORMA

SECTION A LICENCE DETAILS

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

STATEMENT OF COMPLIANCE WITH LICENCE CONDITIONS

1. Were all conditions of the 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 initialled by the person(s) who signs Section C of this Annual Audit Compliance Report (AACR).

Initial:



SECTION C

SIGNATURE AND CERTIFICATION

This Annual Audit Compliance Report (AACR) may only be signed by a person(s) with legal authority to sign it. The ways in which the AACR 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 AACR 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 Regulation 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 Regulation.
A corporation	<input type="checkbox"/> <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 <i>Corporations Act 2001</i> ; 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 Regulation.
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 Regulation.
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: _____

SIGNATURE: _____

NAME:
(printed) _____

NAME:
(printed) _____

POSITION: _____

POSITION: _____

DATE: ____/____/____

DATE: ____/____/____

SEAL (if signing under seal)



Contents

Decision Document	1
Contents	2
1 Purpose of this Document	2
2 Administrative summary	3
3 Executive summary of proposal and assessment	4
4 Decision table	5
5 Advertisement and consultation table	9
6 Risk Assessment	10

1 Purpose of this Document

This decision document explains how the licence amendment application has been assessed and determined the application and provides a record of the decision-making process and how relevant factors have been taken into account. Stakeholders should note that this document is limited to the 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	Category number(s)	Assessed design capacity
	64: Class II putrescible landfill site	6,700 tonnes per annual period
	62: Solid waste depot	500 tonnes per annual period
Application verified	Date: N/A	
Application fee paid	Date: N/A	
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		
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 checked="" type="checkbox"/>	No <input type="checkbox"/>
Is the Premises within an Environmental Protection Policy (EPP) Area	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Is the Premises subject to any EPP requirements?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>



3 Executive summary of proposal and assessment

The Shire of Donnybrook-Balingup (the Shire) operates a Class II putrescible landfill site, licensed by DER to accept 3500 tonnes per year of municipal waste. The site is located approximately 2.5 km southwest of the town of Donnybrook. An “Interim Tenancy Agreement” exists between the Shire and the Department of Parks and Wildlife to allow the use of the land (classed as State Forest) as a landfill (a request to excise the land from State Forest is pending). The site and surrounding area are currently zoned as “Boyanup State Forest”.

Potential emissions from the operation of this site are odour and fugitive emissions from leachate.

This Licence is the result of a an amendment sought by the proponent to increase their Category 64 production and design capacity from 3500 tonnes per year to 6700 tonnes per annual period. There is a solid waste depot at the premises so Category 62 solid waste depot has been added to the licence to allow recycling operations at the premises. The licence has also been converted to the new licence format.

As part of this amendment, the assessment has considered the acceptability or impacts of emissions and discharges from the Premises and consequently re-visited existing emission control levels as outlined in the Decision table below. During this amendment process changes to the conditions on the licence have also been made in line with global changes and licence template updates. The Shire has applied for a works for the construction of new landfill cells at the premises and the works approval application (W5577/2013/1) is currently being assessed. The assessment of this application will consider groundwater and surface water emissions as a detailed hydrogeological assessment has been submitted as part of the works approval application. Post construction of the landfill cells the licence will require an amendment and at this time the licence will be reviewed and groundwater monitoring conditions may be included in the licence.



4 Decision table

All applications are assessed under the *Environmental Protection Act 1986*, the *Environmental Protection Regulations 1987*, DER's *Policy Statement No.7 – Operational Risk Management* and the risk matrix attached to this decision document in Appendix A. Where other references have been used in making the decision they are detailed in the decision table.

DECISION TABLE			
Works Approval / Licence section	Condition number W = Works Approval L = Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
General conditions	L1.2.1	Previous licence condition 21, 22 and 23 that regulated stormwater management has been converted to condition 1.2.1.	Application supporting documentation L7084/1997/16
Premises operation	L1.3.1-L1.3.10	<p>Previous licence condition 1 has been converted to condition 1.3.1.</p> <p>Previous licence condition 2 has been converted to condition 1.3.3.</p> <p>Previous licence condition 3 has been converted to condition 1.3.1.</p> <p>Previous licence condition 4 has been converted to condition 1.3.1.</p> <p>Previous licence condition 5 has been converted to condition 1.3.1.</p> <p>Previous licence condition 6 has been converted to condition 1.3.2.</p> <p>Previous licence condition 7 has been converted to condition 1.3.3.</p> <p>Previous licence condition 8 has been converted to condition 1.3.3.</p> <p>Previous licence condition 9 (i)-(viii) has been converted to condition 1.3.3.</p>	Application supporting documentation L7084/1997/16



DECISION TABLE			
Works Approval / Licence section	Condition number W = Works Approval L= Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
		<p>Previous licence condition 9 (viii) has been converted to condition 1.3.5.</p> <p>Previous licence condition 10 and 11 has been converted to condition 1.3.6.</p> <p>Previous licence condition 12 and 13 has been converted to condition 1.3.7.</p> <p>Previous licence condition 14 has been converted to condition 1.3.8.</p> <p>Previous licence condition 16 has been converted to condition 1.3.9.</p> <p>Previous licence condition 17 has been converted to condition 1.3.10.</p>	
Fugitive emissions	N/A	<p>Operation</p> <p><i>Emission:</i> Potential dust emissions from site works, vehicle movement etc.</p> <p><i>Impact:</i> Fugitive dust emissions can impact on local air quality and cause nuisance to nearby residents. Fugitive dust emissions can also adversely impact on adjacent vegetation (State Forrest) including any agricultural crops grown on land adjacent to the premises.</p> <p><i>Controls:</i> Access roads to be compacted, water cart to be used during dry periods and heavy traffic movements, speed limits on roads, daily assessment of dust generating risks and operations to be ceased in unfavourable conditions.</p> <p><u>Risk Assessment</u></p> <p><i>Consequence:</i> Insignificant</p> <p><i>Likelihood:</i> Unlikely</p> <p><i>Risk rating:</i> Low</p> <p><u>Regulatory controls</u></p> <p>Previous licence conditions 19 and 20 regulated dust management at the premises. DER considers that fugitive dust emissions during operations can be sufficiently regulated under section 49 of the <i>Environmental Protection Act 1986</i>. No specified</p>	<i>Environmental Protection Act 1986.S49</i>



DECISION TABLE			
Works Approval / Licence section	Condition number W = Works Approval L = Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
		<p>conditions for fugitive emissions have therefore been included in the Licence.</p> <p><u>Residual risk</u> <i>Consequence:</i> Insignificant <i>Likelihood:</i> Unlikely <i>Risk rating:</i> Low</p>	
Odour	N/A	<p>Operation <i>Emission:</i> Potential odour emissions from the deposition and decomposition of putrescible waste at the landfill. <i>Impact:</i> Odour emissions can unreasonably interfere with the health, convenience, comfort and amenity of any person or residence close to the premises. <i>Controls:</i> Dispose of putrescible waste as soon as possible after acceptance. Cover waste as soon as possible but at the latest at the end of each working day.</p> <p><u>Risk Assessment</u> <i>Consequence:</i> Insignificant <i>Likelihood:</i> Unlikely <i>Risk rating:</i> Low</p> <p><u>Regulatory controls</u> Previous licence condition 15 regulated odour management at the premises. DER considers that odour emissions during operations can be sufficiently regulated under section 49 of the <i>Environmental Protection Act 1986</i>. No specified conditions for odour emissions have therefore been included in the Licence.</p> <p><u>Residual risk</u> <i>Consequence:</i> Insignificant <i>Likelihood:</i> Unlikely <i>Risk rating:</i> Low</p>	<i>Environmental Protection Act 1986.S49</i>



DECISION TABLE			
Works Approval / Licence section	Condition number W = Works Approval L= Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
Monitoring of inputs and outputs	L2.1.2	Condition 2.1.2 has been added to the licence for monitoring of inputs and outputs to ensure that waste quantities accepted at the premises are monitored so that they can be reported to DER. The estimated tonnages buried in the landfill per annual period must also be reported	Application supporting documentation L7084/1997/16
Information	L3.1 L3.2 L3.3	Previous licence condition 18 has been converted to condition 3.3.1. Previous licence condition 24 has been converted to condition 3.2.1. Previous licence condition 25 has been converted to condition 3.1.3. Previous licence condition 26 has been converted to condition 3.3.1.	Application supporting documentation L7084/1997/16
Licence Duration	N/A	The licence has been issued for five years and there are no mitigating circumstances that warrant the licence duration to be changed for this amendment. Post construction of the landfill cells the licence will require an amendment and at this time the licence will be reviewed.	N/A



5 Advertisement and consultation table

Date	Event	Comments received/Notes	How comments were taken into consideration
15/01/2016	Proponent sent a copy of draft instrument	Proponent responded on 1/2/2016. No comments received.	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