



LICENCE FOR PRESCRIBED PREMISES

Environmental Protection Act 1986

LICENCE NUMBER: L8515/2010/2

FILE NUMBER 2010/011024-1

LICENSEE AND OCCUPIER OF PREMISES

Resource Recovery Solutions Pty Ltd
10 Kings Park Road
WEST PERTH WA 6005
ACN: 128 285 263

NAME AND LOCATION OF PREMISES

Pinjarra Resource Recovery Centre
Part of Lot 11 on Diagram 66827
Corio Road

RAVENSWOOD WA 6208 within coordinates:

Zone 50: Northing: 6395455 Easting 394389 Zone: 50 Northing: 6395313 Easting 394399 Zone:
50 Northing: 6395476 Easting 394565 Zone: 50 Northing: 6395338 Easting 394586 (as depicted
in Schedule 1 of this licence).

PRESCRIBED PREMISES CATEGORY

Schedule 1 of the *Environmental Protection Regulations 1987*

CATEGORY	DESCRIPTION	CAPACITY
62	Solid waste depot	More than 5,000 tonnes per year

CONDITIONS OF LICENCE

Subject to the conditions of licence set out in the attached pages.

Date signed: 21 January 2016

Caron Goodbourn
A/ Manager Licencing (Waste Industries)
Officer delegated under Section 20
of the *Environmental Protection Act 1986*

ISSUE DATE Thursday, 21 January 2016

COMMENCEMENT DATE: Monday, 1 February 2016

EXPIRY DATE: Sunday, 31 January 2021



DEFINITIONS

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

'AS 1940:2004' means Australian Standard 1940:2004 titled 'The storage and handling of flammable and combustible liquids';

'authorised disposal site' means a premises licenced under Part V of the *Environmental Protection Act 1986* to accept that waste;

'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

Email: info@der.wa.gov.au;

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

'environmentally hazardous material' means material (either solid or liquid) that poses a state of danger to human beings or the environment whether imminent or otherwise including substances having toxic, corrosive, flammable, explosive, infectious or otherwise dangerous characteristics;

'greenwaste' means waste originating from trees and plants, and includes grass and garden clippings, leaves, tree prunings and branches;

'hardstand' means a surface with a permeability of 10^{-9} metres per second or less;

'Inert Waste Type 1' means waste as defined in the document titled 'Landfill Waste Classification and Waste Definitions' 1996 (as amended);

'Inert Waste Type 2' means waste as defined in the document titled 'Landfill Waste Classification and Waste Definitions' 1996 (as amended);

'Landfill Waste Classification and Waste Definitions 1996 (as amended)', refers to the document published by the Director General, Department of Environment on 1 July 2005 and amended from time to time;

'Licence' means this Licence numbered L8515/2010/2 and issued under the Act;

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

'mg/L' means milligrams per litre; and

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

ISSUE DATE Thursday, 21 January 2016

COMMENCEMENT DATE: Monday, 1 February 2016

EXPIRY DATE: Sunday, 31 January 2021



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

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

'scrap metal' means for example, steel, aluminium, brass and copper materials.

All other terms take their meaning from the *Environmental Protection Act 1986*.

GENERAL CONDITIONS

ACCEPTANCE OF WASTE

1. The licensee is only permitted to accept the following types of waste at the premises:

- (i) Inert Waste Type 1;
- (ii) Inert Waste Type 2 (plastics only);
- (iii) Greenwaste;
- (iv) Cardboard and paper;
- (v) Car batteries; and
- (vi) Scrap metal.

BURIAL OF WASTE

2. The licensee shall not bury any waste at the premises.

STOCKPILE HEIGHT

3. The licensee shall ensure that stockpiles comprising any of the following material do not exceed 2 metres in height:

- (i) Cardboard;
- (ii) Paper; or
- (iii) Inert Waste Type 2 (plastics only).

4. Pursuant to condition 3 of this licence, the licensee shall ensure that all other stockpiles on the premises do not exceed 10 metres in height.

GREENWASTE STORAGE

5. The licensee shall ensure that:

- (i) no greater than 50 m³ of greenwaste is stored at the premises at any one time;
- (ii) no greater than 50 m³ of mulched greenwaste is stored at the premises at any one time;
- (iii) all mulched greenwaste is stored in windrows;
- (iv) temperatures within mulched greenwaste windrows are monitored on a weekly basis;
- (v) windrows with an internal temperature exceeding 80 degrees Celsius are turned/ mixed or otherwise treated, to reduce the temperature;
- (vi) all greenwaste storage areas are on a base of compacted limestone; and
- (vii) a five metre fire break shall be maintained around greenwaste storage areas.

BATTERY STORAGE

6. The licensee shall ensure that any batteries or car batteries on the premises are stored on a bunded hardstand area or contained such that any leakages from the batteries are not able to enter the environment.



FENCING AND SIGNAGE

7. The licensee shall maintain fencing around the perimeter of the premises that:
 - (i) is a minimum of 1.8 metres in height;
 - (ii) is maintained to contain waste within the boundary of the premises; and
 - (iii) is maintained to restrict access to the premises.
8. The licensee shall ensure that signs are prominently displayed at the premises that indicate:
 - (i) the hours of opening of the premises;
 - (ii) the types of wastes which may be deposited;
 - (iii) that fires must not be lit at the premises;
 - (iv) where wastes may be deposited; and
 - (v) emergency contact phone numbers.
9. The entry gate shall be locked at all times when the premises is not attended by staff in order to prevent illegal dumping of waste materials within the premises.

COMPLAINTS

10. The licensee shall accurately record all complaints received concerning the environmental impact arising from activities at the premises and submit a complete copy of these records with the Annual Monitoring Report (AMR) required by condition 24 of this licence. The record shall include the following:
 - (i) date and time of complaint;
 - (ii) location from which the problem arose (if known);
 - (iii) general description/nature of complaint;
 - (iv) wind direction and temperature at the time of the complaint;
 - (v) likely source of the recorded problem; and
 - (vi) action taken by the licensee in response to the complaint.
11. The licensee shall ensure the record required by condition 10 of this licence shall be available for viewing or copying by an Inspector on request.

EMISSION TO AIR

FUGITIVE DUST EMISSIONS

12. The licensee shall ensure that visible dust does not cross the boundary of the premises.
13. The licensee shall ensure that dust 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.
14. The licensee shall ensure that the dust suppression measures utilised on the premises include, but are not limited to the following:
 - (i) use of water trucks to wet the premises roads, access ways and traffic areas;
 - (ii) use of water sprays, sprinklers or cannons, on to working and non-working faces of stockpiles; and
 - (iii) routine maintenance and housekeeping practices to ensure no accumulation of waste materials in or around the premises.



ODOUR EMISSIONS

15. 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.

FIRE PREVENTION

16. The licensee shall ensure that no waste is burnt on the premises.

DISCHARGE TO LAND

17. The licensee shall ensure Environmentally Hazardous Materials are stored within low permeability (1×10^{-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.
18. The licensee shall ensure that the compound(s) described in condition 17 of this licence will:
- (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 spilled chemicals;
 - (iv) be designed such that jetting from any storage vessel or fitting will be captured within the bunded area in accordance with Australian Standard 1940-2004;
 - (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 properly maintained (eg. regular inspection and pumping of trapped uncontaminated rain water).
19. The licensee shall immediately recover, or remove and dispose of, liquid resulting from spills or leaks of Environmentally Hazardous Material, whether inside or outside the low permeability compound(s).
20. Where Environmentally Hazardous Materials on the premises are stored in double-walled tanks, the licensee shall ensure the double-walled tanks comply with Australian Standard AS 1940:2004.

WASTE MINIMISATION / REMOVAL / STORAGE

WIND BLOWN WASTE

21. The licensee shall ensure that waste, including litter, is not discharged beyond the boundary of the premises.
22. The licensee shall ensure that any wind blown waste is removed from fences and from all access roads on a weekly basis.

DISPOSAL OF NON-CONFORMING WASTE

23. The licensee shall ensure that any non-conforming waste received at the premises is stored on the premises in an enclosed bin, and directed to an authorised disposal facility by the close of business every Friday.



REPORTING CONDITIONS

ANNUAL MONITORING REPORT

24. The licensee shall submit to the CEO **by 1 March in each year**, an Annual Monitoring Report (AMR) which shall contain, but not be limited to:
- (i) the weight or volume of all waste types received at the premises under condition 1 of this licence, for the period beginning **31 January of the previous year to 30 January in that year**;
 - (ii) details of any environmental complaints received at the premises recorded as required under condition 10 of this licence; and
 - (iii) any changes to the layout of the premises or premises boundary.

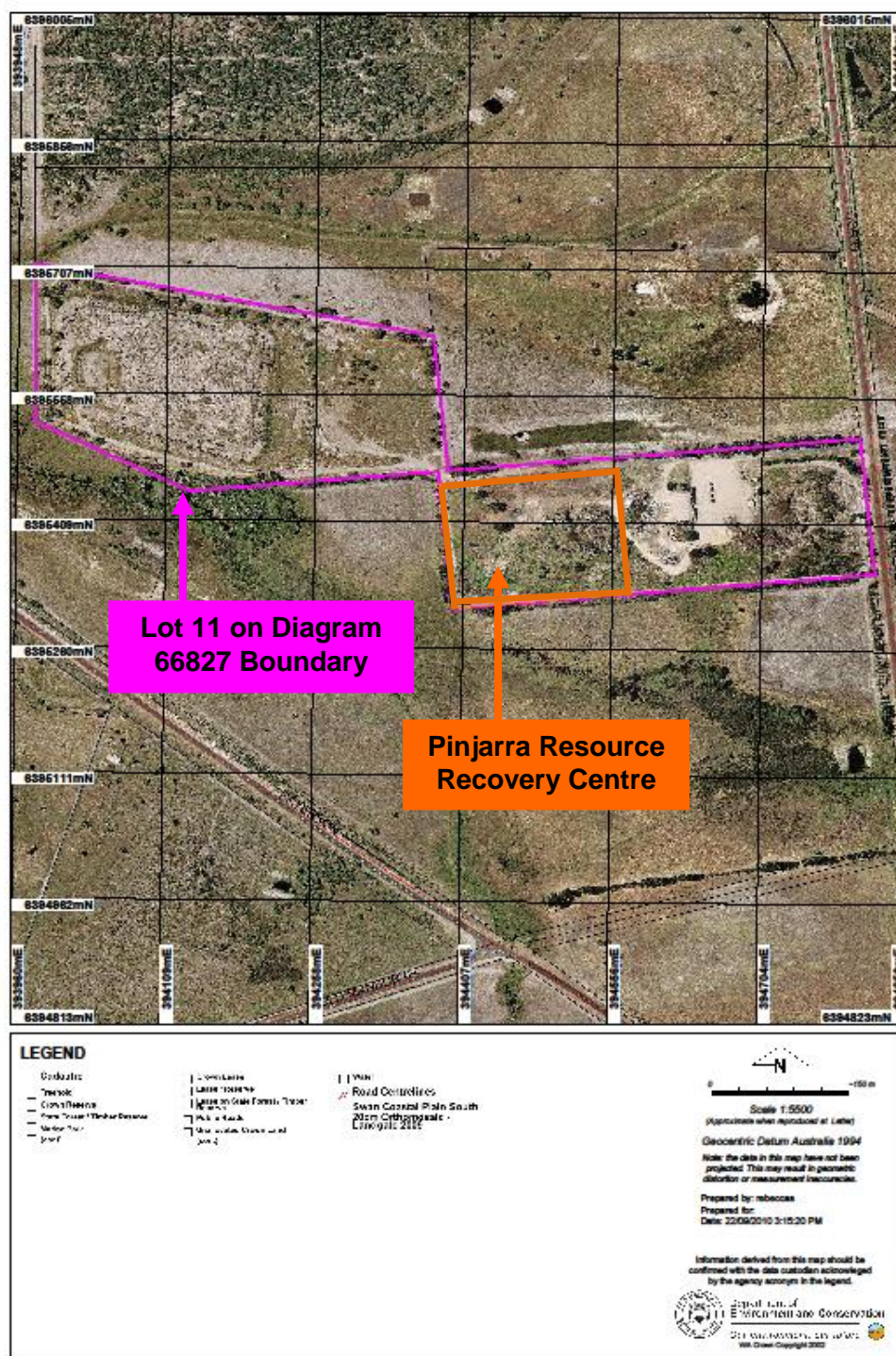
ANNUAL AUDIT COMPLIANCE REPORT

25. The licensee shall **by 1 March in each year**, provide to the CEO an Annual Audit Compliance Report (AACR) in the form in Attachment 2 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 **31 January the previous year and ending on 30 January in that year**.

Schedule 1: Maps

Premises map

The Premises is shown in the maps below. The orange 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 initialed by the person(s) who signs Section C of this annual audit compliance report

INITIAL: _____



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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 the 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 initialled by the person(s) who signs Section C of this 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)



LICENCE NUMBER L8515/2010/2

FILE NUMBER 2010/011024-1

Licence: L8515/2010/2
Form: N1

Licensee: Resource Recovery Solutions Pty Ltd
Date of breach:

Notification of detection of the breach of a limit.

These pages outline the information that the operator must provide.

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

Part A

Licence Number	
Name of operator	
Location of Premises	
Time and date of the detection	

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



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Part B

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

Name	
Post	
Signature on behalf of Resource Recovery Solutions Pty Ltd	
Date	



Decision Document

Environmental Protection Act 1986, Part V

Proponent: **Resource Recovery Solutions Pty Ltd**

Licence: **L8515/2010/2**

Registered office: 10 Kings Park Road
WEST PERTH WA 6005

ACN: 128 285 263

Premises address: Pinjarra Resource Recovery Centre
Corio Road
RAVENSWOOD WA 6208
Being Part of Lot 11 on Diagram 66827 within coordinates:
Zone 50: Northing: 6395455 Easting 394389 Zone: 50 Northing: 6395313
Easting 394399 Zone: 50 Northing: 6395476 Easting 394565 Zone: 50
Northing: 6395338 Easting 394586.

Issue date: Thursday, 21 January 2016

Commencement date: Monday, 1 February 2016

Expiry date: Sunday, 31 January 2021

Decision

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

Decision Document prepared by: Caroline Conway-Physick
Licensing Officer

Decision Document authorised by: Caron Goodbourn
Delegated Officer



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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"/> New Licence <input checked="" type="checkbox"/> Licence amendment <input type="checkbox"/> Works Approval amendment <input type="checkbox"/>	
Activities that cause the premises to become prescribed premises	Category number(s)	Assessed design capacity
	62 – Solid waste depot	More than 5,000 tonnes per annual period.
Application verified	Date: 12/11/2015	
Application fee paid	Date: 25/11/2015	
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"/>	Referral decision No: Managed under Part V <input type="checkbox"/> Assessed under Part IV <input type="checkbox"/>
Is the proposal subject to Ministerial Conditions?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Ministerial statement No: EPA Report No:
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"/> Department of Water consulted Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Is the Premises within an Environmental Protection Policy (EPP) Area Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If Yes include details of which EPP(s) here.		
Is the Premises subject to any EPP requirements? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If Yes, include details here, eg Site is subject to SO ₂ requirements of Kwinana EPP.		



3 Executive summary of proposal and assessment

The Pinjarra Resource Recovery Centre (premises) is owned and managed by Resource Recovery Solutions Pty Ltd and is located on part of Lot 11 on Diagram 66827 (Lot), Corio Road, Ravenswood, WA, 6028 which consists of approximately 2.5 ha leased from the Shire of Murray. The premises operates as a Category 62 – Solid Waste Depot with a design capacity of more than 5,000 tonnes per annual period.

The premises accepts inert construction and demolition waste (inert waste type 1), with any non-permitted material such as organic matter (green waste or putrescible) or asbestos are removed within 24 hours to an appropriate licenced landfill or facility. Accepted wastes are deposited within an operational (sorting) area constructed of 250 mm base of compacted limestone on top of the sand/clay/topsoil landfill cap. Equipment on site includes a screening machine, two front end loaders, a picking station, bobcat, two excavators and sprinklers for dust suppression.

The premises operates between 6am to 5pm Monday to Friday and 7am to 12.45pm on Saturday for truck operations with approximately 60 trucks on weekdays, and 30 trucks on Saturdays are received to the premises.

The premises is within the Shire of Murray town planning scheme 'rural' zoned area and is surrounded by either 'rural' or 'farmlet' zones.

The closest residential receptor is on a farm located approximately 335 m east of the premises boundary. DER (draft) guidance for separation distances to sensitive receptors for Category 62 recommends a distance of 200 m.

A desktop assessment of groundwater (Bore Site Id. 23030424) approximately 264 m east of the premises boundary identified depth to groundwater at approximately 2.8 m with TDS of 203 mg/L (fresh). The groundwater forms part of the Murray Basin superficial aquifer, and is influenced by the Dandalup River system. The premises is located within the Murray River and South Dandalup River catchment. The North Dandalup River is located approximately 1.98 km east of the premises.

The solid waste depot is located within a "possibly contaminated – investigation required" classified area on the Contaminated Sites Branch reported sites (CSS Site Id. 6353). A putrescible landfill cell was active within the Lot up until 1999.

This is a partial decision document for the reissue of Licence L8515/2010/2 for a period of five years. DER propose to carry out a full reassessment of the premises operation within 2016 and will amend the Licence once all information has been reviewed for all potential emissions and risks from the operation of the premises. The Licence will then be converted to new licence template format.



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.

DECISION TABLE			
Works Approval / Licence section	Condition number W = Works Approval L = Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
Interpretation	L	Administrative changes have been undertaken with definitions being updated within the Licence. The premises registered address details have also been updated as per the details within ASIC.	N/A
General conditions	L1 – L25	Operation No changes have been undertaken to conditions 1-25 through this Licence reissue process. The Licence will be fully reassessed during 2016 through a DER initiated amendment process once all updated information can be received from the proponent on the current operating conditions of the premises. All emissions and risks will then be reviewed in support of any relevant conditions required within the Licence.	N/A
Information	L	Administrative changes have been undertaken with 'Attachment 1 and 2' being updated and changed to 'Schedule 1 and 2' with updated form formats included.	N/A
Licence Duration	L8515/2010/2	The Licence duration has been proposed for a five year period. DER propose to amend the Licence during 2016 once all relevant and updated information can be obtained from the proponent regarding emissions and risks related to the premises operation. Once this has been completed then the Licence format will be updated and the Licence duration will be reassessed in accordance with DER guidance statement,	N/A



DECISION TABLE			
Works Approval / Licence section	Condition number W = Works Approval L= Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
		Licence duration, May 2015.	



5 Advertisement and consultation table

Date	Event	Comments received/Notes	How comments were taken into consideration
07/12/2015	Application advertised in West Australian (or other relevant newspaper)	Nil	N/A
20/01/2016	Proponent sent a copy of draft instrument	Documentation emailed through to Sam Magione and Jennifer Nicolle – Nil 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