



Licence

Environmental Protection Act 1986, Part V

Licensee: Westralian Resource Solutions Pty Ltd

Licence: L8951/2016/1

Registered office: 48 Griver Street
COTTESLOE WA 6011

ACN: 601 327 315

Premises address: Westralian Resource Solutions
Part of 150 Flynn Drive
NEERABUP WA 6031
Being part of Lot 901 on Plan 50843 and bound by the coordinates:

GPS point	Easting	Northing
1	386968.37	6493801.19
2	386968.89	6493876.19
3	386981.89	6493876.10
4	386982.50	6493964.10
5	387130.50	6493963.06
6	387129.46	6493814.07
7	387115.36	6493800.17

Issue date: Thursday, 26 May 2016

Commencement date: Monday, 30 May 2016

Expiry date: Friday, 29 May 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
13	Crushing of building material: premises on which waste building or demolition material (for example, bricks, stones or concrete) is crushed or cleaned.	1 000 tonnes or more per year	Combined total of 100,000 tonnes per annual period
62	Solid waste depot: premises on which waste is stored, or sorted, pending final disposal or re-use.	500 tonnes or more per year	



Conditions

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

Date signed: 26 May 2016

.....

Stephen Checker
MANAGER LICENSING (WASTE INDUSTRIES)

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



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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

Westralian Resource Solutions Pty Ltd (WRS) operate a crushing and screening plant and a solid waste facility on part of Lot 901 Flynn Drive in Neerabup. The facility receives up to 100,000 tonnes per year of construction and demolition waste for processing. The site is part of a larger property (Lot 901 Plan 50843 Flynn Dr) with existing quarry and recycling businesses operated by Carramar Resource Industries.

All processing is undertaken within the fully enclosed processing bay so that no activity is visible from any public viewpoint. Stockpiles will be contained within designated areas, accessible by fixed reticulation system and not exceed the height of cargo-container sidewalls (stacked two high, total 5.2 m).

Noise and dust are the main emissions from the premises. These emissions are managed through the Asbestos Management Plan, Dust Management Plan and Noise Management Plan. The risk is considered to be low.

This Licence is for the operation of a new facility established under works approval W5921/2015/1.

The licences and works approvals issued for the Premises are:

Instrument log		
Instrument	Issued	Description
W5921/2015/1	24/12/2015	New Works Approval issued
L8951/2016/1	23/05/2016	New Licence issued.

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*;

'Acceptance Criteria' has the meaning defined in Landfill Definitions;

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

'ACM' means Asbestos Containing Material;

'asbestos' means the asbestiform variety of mineral silicates belonging to the serpentine or amphibole groups of rock-forming minerals and includes actinolite, amosite, anthophyllite, chrysotile, crocidolite, tremolite and any mixture containing 2 or more of those;

'Asbestos Management Plan' means the document titled Asbestos Management Plan Including Dust Management Plan and Sampling Analysis Program, Recycling Plant Part of 150 Flynn Dr. Neerabup" dated 4 January 2016 as amended from time to time;

'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

'classified load' means any load that has been identified as containing asbestos or ACM;

'construction and demolition waste' has the meaning defined in Landfill Definitions;

'DER Asbestos Guidelines' means the document titled "Guidelines for managing asbestos at construction and demolition waste recycling facilities", published by the Department of Environment and Conservation, as amended from time to time;

'Dust Management Plan' means the document titled "Dust Management Plan, Recycling Plant Part of 150 Flynn Dr. Neerabup" dated 4 January 2016 as amended from time to time;

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

'Inert Waste Type 1' has the meaning defined in 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 L8951/2016/1 and issued under the Act;

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

‘Schedule 1’ means Schedule 1 of this Licence unless otherwise stated;

‘Schedule 2’ means Schedule 2 of this Licence unless otherwise stated; and

‘usual working day’ means 0800 – 1700 hours, Monday to Friday excluding public holidays in Western Australia.

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 Premises operation

1.2.1 The Licensee shall direct stormwater to the onsite Storage Basin to ensure it is contained within the Prescribed Premises boundary.

1.2.2 The Licensee shall only accept waste on to the Premises if:

- (a) it is of a type listed in Table 1.2.1;
- (b) the quantity accepted is below any quantity limit listed in Table 1.2.1;
- (c) it meets any specification listed in Table 1.2.1.

Table 1.2.1: Waste acceptance

Waste	Quantity Limit	Specification
Clean Fill		None
Inert Waste Type 1	100,000 tonnes per annual period	<ul style="list-style-type: none">Construction and Demolition, Commercial and Industrial waste only.Waste containing visible asbestos or ACM shall not be accepted

1.2.3 The Licensee shall ensure that where waste does not meet the waste acceptance criteria set out in condition 1.2.1 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.

1.2.4 The Licensee shall ensure that any waste that does not conform to the waste acceptance criteria in Table 1.2.1 due to asbestos content, is covered and dampened thoroughly prior to handling, or bagged and kept within a clearly identified, labelled, segregated and secure container prior to being removed off site to an appropriate authorised facility.

1.2.5 The Licensee must advise all source material providers that asbestos or potentially asbestos contaminated material is not accepted at the Premises.

1.2.6 The Licensee must include a ‘no asbestos’ clause in all contracts with material sources.

1.2.7 The Licensee must maintain a clearly visible sign saying ‘No Asbestos’ at the entry to the Premises.

1.2.8 The Licensee must only accept waste onto the Premises for storage, sorting or crushing that is Inert Waste Type 1 with a signed declaration from the supplier of the source material with each delivery that warrants that the load does not contain any asbestos or ACM.



- 1.2.9 The Licensee must visually inspect all loads of material when they arrive at the Premises prior to unloading and during unloading to ensure that the material does not contain visible asbestos or ACM (classified load).
- 1.2.10 Where the inspection confirms that material does contain asbestos or ACM, the Licensee must:
- reject the waste material for acceptance;
 - maintain accurate records of all rejected loads on the Premises and the documentation must be made available to DER officers upon request; and
 - record the details of the material source, material carrier, registration number of the vehicle and date of rejection.
- 1.2.11 The Licensee must maintain classified loads in a damp state using appropriate dust suppression measures.
- 1.2.12 The Licensee must ensure that suspected classified loads are classified as “high risk” and continue to be managed in accordance with the high risk procedure as outlined in section 3.4 of the DER Asbestos Guidelines.
- 1.2.13 The Licensee must, as a minimum maintain records of all accepted load inspections and of any accepted loads which have been determined as Classified Loads or as “high risk” loads.
- 1.2.14 The Licensee must continue to visually inspect material on the Premises at all stages of the storage, sorting and crushing process. Suspect asbestos identified at any stage of the process must be handled in accordance with Condition 1.2.12 of this Licence.
- 1.2.15 The Licensee must within 3 months from the commencement date of this Licence, maintain material on the Premises in at least two separate stockpiles areas for unprocessed material, processed material tested for ACM and:
- unprocessed material and processed material areas must be kept clearly separated at a minimum 3m distance;
 - processed material tested for ACM and processed material awaiting testing for ACM must be clearly separated by a minimum 3m distance OR clearly delineated and separated with impermeable barriers; and
 - clearly visible and legible signage must be erected on individual stockpiles to clearly identify and delineate tested processed material, untested processed material and unprocessed material.
- 1.2.16 The Licensee shall ensure that wastes accepted onto the Premises are only subjected to the processes set out in Table 1.2.2 and in accordance with any process limits described in that Table.

Table 1.2.2: Waste processing		
Waste type	Process	Process limits
Clean Fill	Acceptance and storage prior to removal offsite	<ul style="list-style-type: none">Stockpiles must not exceed 5.2m in height from the base of the stockpileAll loads to be wet down prior to unloading (unless already damp)
Inert Waste Type 1	Acceptance and storage prior to crushing and screening and removal offsite	<ul style="list-style-type: none">All loads to be wet down prior to unloading (unless already damp)Accepted waste to be offloaded into the designated dome shelter with vertical PVC curtains strips maintained.Waste processing to be



Table 1.2.2: Waste processing		
Waste type	Process	Process limits
		undertaken within enclosed areas. <ul style="list-style-type: none">• Stockpiles must not exceed 5.2m in height from the base of the stockpile• No waste material to be landfilled (buried) on site• All waste directed to the impact crusher must be dampened thoroughly prior to processing• No more than 100,000 tonnes per annual period may be crushed and screened.

1.2.17 The Licensee shall ensure that the asbestos content of any recycled output originating from construction and demolition waste does not exceed the contamination limits specified in Table 1.2.3.

Table 1.2.3: Recycled output contamination limits		
Output	Parameter	Limit
Recycled drainage rock	Asbestos (in any form)	0.001% w/w
Recycled sand		
Recycled road base		

1.2.18 The Licensee shall ensure that recycling outputs originating from construction and demolition waste are sampled and tested in accordance with Table 1.2.4.

Table 1.2.4: Recycled output sampling and testing			
Output	Parameter	Limit	Method
Recycled drainage rock	Asbestos (in any form)	0.001% w/w	In accordance with the DER Asbestos Guidelines.
Recycled sand			
Recycled road base			

1.2.19 The Licensee shall maintain and operate the following dust control to manage fugitive dust emissions in accordance with Table 1.2.5.

Table 1.2.5: Dust infrastructure requirements	
Infrastructure / Equipment	Requirements
Fixed reticulation sprinklers and sprayer system	Spray reach and flowrates maintained in good working order to ensure complete coverage of waste acceptance, processing and stockpile areas.
3,000 L mobile dust suppression unit	Available for hardstand dust suppression
Dust walls	Dust walls must be maintained around the premises. Dust walls are to be 2.1m tall and constructed with either colorbond fencing or custom fitted HD shade cloth.



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

Table 2.1.1: Monitoring of inputs and outputs				
Input/Output	Parameter	Units	Averaging period	Frequency
Waste inputs	Clean fill, Inert Waste Type 1, Putrescible Waste (green waste)	tonnes	N/A	Each load arriving at premises
Waste outputs	Waste type as defined in the Landfill Definitions	tonnes		Each load leaving or 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 form ¹
-	Summary of any failure or malfunction of any pollution control equipment and any environmental incidents that have occurred during the annual period and any action taken	None specified
1.2.18	Recycled output sampling and testing	None specified
2.1.1	Monitoring of inputs and outputs	None specified
3.1.2	Compliance	Annual Audit



Table 3.2.1: Annual Environmental Report		
Condition or table (if relevant)	Parameter	Format or form ¹
		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 5.3.1 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 requirement ¹	Format or form ²
-	Breach of any limit specified in the Licence	Part A: As soon as practicable but no later than 5pm of the next usual working day. Part B: As soon as practicable	N1



Schedule 1: Maps

Premises map

The Premises is shown in the map below. The pink 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 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 then on 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: _____

NAME:
(printed) _____

POSITION: _____

DATE: ____/____/____

SEAL (if signing under seal)

SIGNATURE: _____

NAME:
(printed) _____

POSITION: _____

DATE: ____/____/____



Licence: L8951/2016/1
Form: N1

Licensee: Westralian Resource 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	



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 Westralian Resource Solutions Pty Ltd	
Date	



Decision Document

Environmental Protection Act 1986, Part V

Proponent: **Westralian Resource Solutions Pty Ltd**

Licence: **L8951/2016/1**

Registered office: 48 Griver Street
COTTESLOE WA 6011

ACN: 601 327 315

Premises address: Westralian Resource Solutions
Part of 150 Flynn Drive
NEERABUP WA 6031
Being part of Lot 901 on Plan 50843 and bound by the coordinates:

GPS point	Easting	Northing
1	386968.37	6493801.19
2	386968.89	6493876.19
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7	387115.36	6493800.17

Issue date: Thursday, 26 May 2016

Commencement date: Monday, 30 May 2016

Expiry date: Friday, 29 May 2020

Decision

Based on the assessment detailed in this document the Department of Environment Regulation (DER) has decided to issue a Licence. The assessment has taken into account all relevant considerations.

Decision Document prepared by:

Chris Slavin
Licensing Officer

Decision Document authorised by:

Stephen Checker
Delegated Officer



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1 Purpose of this Document

This decision document explains how DER delegated officer has 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 delegated officer'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
	13	100 000 tonnes per annum
	62	
Application verified	Date: 14/01/2016	
Application fee paid	Date: 22/01/2016	
Works Approval has been complied with	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	
Compliance Certificate received	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input 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"/>	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"/>		
Is the Premises subject to any EPP requirements? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		



3 Executive summary of proposal and assessment

Westralian Resource Solutions Pty Ltd (WRS) operates a crushing and screening plant and a solid waste facility on part of Lot 901 Flynn Drive in Neerabup. The facility is expected to receive up to 100,000 tonnes per year of construction and demolition waste (Inert Waste Type 1) for processing.

The site consists of the following infrastructure:

- Perimeter fence and gate;
- Hardstand;
- Bio-retention basin;
- Site amenities;
- Tip-off and processing bays;
- Plant and equipment;
- Water supply and infrastructure;
- Wind monitor;
- Waste bins; and
- Security systems.

Mixed, unsorted construction waste is typically delivered in 10m³ or 20m³ loads by the residential home building company or independent cartage contractor direct from construction site. Material is off-loaded in the fully enclosed tip-off bay so that no activity is visible from any public viewpoint. The bay comprises cargo-container sidewalls, dome shelter roof and vertical PVC end curtains to contain dust and noise emission. A fine mist spray system is fitted to the shelter roof for dust suppression.

Site mobile earthmoving equipment separates the source material into three resource streams of sand, construction product and residual waste. Processing of the resource streams is summarised as follows:

- Rotating trommel sand screen to remove small items of rubble from sandy material.
- Picking belt operations to remove residual waste from rubble.
- Impact crusher to reduce <300 mm construction product to <19 mm road base.

All processing is undertaken within the fully enclosed processing bay so that no activity is visible from any public viewpoint. The processing bay is identical to the tip-off bay. At the expected rate of 60 m³ of incoming construction product per day (ie 30% of 180 m³ waste), and impact crusher throughput capacity of 1 000 m³ per day, crushing is expected to be undertaken for one week every 3-4 months. Stockpiles will be contained within designated areas, accessible by fixed reticulation system and not exceed the height of cargo-container sidewalls (stacked two high, total 5.2 m).

Noise and dust are the main potential emissions from the premises. These emissions are managed through the Asbestos Management Plan, Dust Management Plan and Noise Management Plan.



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
Premises operation	L1.2.1 L1.2.20	<p>Stormwater</p> <p><u>Emission Description</u> <i>Emission:</i> Stormwater contamination from onsite operations. <i>Impact:</i> Contamination of surrounding land and surface water drainage systems. Potential impacts on ecology of surface water from the addition of nutrients, heavy metals and hydrocarbons. <i>Controls:</i> WRS have constructed with hardstand/profile chip over the entire surface. Stormwater is therefore likely to flow from the surface rather than infiltrate underground soil. A storage basin is located at north western corner to ensure stormwater is contained within the site boundary. There is concrete curbing along western and northern border to prevent water flow from site and ensure all water flows to storage basin. Battered banks of storage basin are lined with limestone drainage rock for stability and sediment retention. WRS have also constructed a Bio retention system within the storage basin, which filters stormwater through spinifex vegetation. Mobile earthmoving equipment is refuelled on site with a 2,000 litre self-bunded trailer mounted fuel tank with spill kits. The mobile trailer is locked inside a tip-off bay cargo-container for storage, with refuelling to be done on the tip-off bay concrete floor to prevent any spillage during refuelling.</p> <p><u>Risk Assessment</u> <i>Consequence:</i> Insignificant <i>Likelihood:</i> Unlikely <i>Risk Rating:</i> Low</p>	<p><i>General Provisions of the Environmental Protection Act 1986</i></p> <p><i>Environmental Protection (Unauthorised Discharge) Regulations 2004</i></p> <p>'Guidelines for managing asbestos at construction and demolition waste recycling facilities' published by the Department of Environment and Conservation, as amended from</p>



DECISION TABLE			
Works Approval / Licence section	Condition number W = Works Approval L= Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
		<p><u>Regulatory Controls</u> Condition 1.2.1 has been added to the Licence to ensure that all stormwater is retained on the premises.</p> <p><u>Residual Risk</u> <i>Consequence</i>: Insignificant <i>Likelihood</i>: Unlikely <i>Risk Rating</i>: Low</p> <p>Asbestos risk assessment <u>Emission Description</u> <i>Emission</i>: Release of airborne asbestos fibres from non-conforming waste brought onto the premises and from crushing activities on site. <i>Impact</i>: Inhalation of asbestos fibres by person's onsite and surrounding areas potentially incurring severe health impacts including asbestosis and mesothelioma. <i>Controls</i>: WRS will not accept asbestos containing material onto the premises. WRS have implemented an Asbestos Management Plan (AMP) which is consistent with the document "Guidelines for managing asbestos at construction and demolition waste recycling facilities" published by the Department of Environment and Conservation. The plan will include staff training to identify asbestos, inspecting all loads for suspect material, isolating and segregating suspected asbestos, keeping stockpiles and unloading areas damp, monitoring and product testing.</p> <p><u>Risk Assessment</u> <i>Consequence</i>: Major <i>Likelihood</i>: Unlikely <i>Risk Rating</i>: Moderate</p>	<p>time to time.</p> <p>Application supporting documentation</p>



DECISION TABLE			
Works Approval / Licence section	Condition number W = Works Approval L= Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
		<p><u>Regulatory Controls</u></p> <p>Condition 1.2.2 has been added to the Licence to ensure that no visible asbestos or asbestos containing material (ACM) is accepted onto the premises.</p> <p>Condition 1.2.4 has been added to the Licence to ensure that any ACM identified at the premises is segregated, covered or bagged and labelled and removed from the premises to reduce the risk of asbestos fibres becoming airborne.</p> <p>Condition 1.2.5 specifies that the Licensee must advise all source material providers that asbestos or potentially asbestos contaminated material is not accepted at the Premises.</p> <p>Condition 1.2.6 the Licensee must include a 'no asbestos' clause in all contracts with material sources.</p> <p>Condition 1.2.7 The Licensee must maintain a clearly visible sign saying 'no asbestos' at the entry to the Premises.</p> <p>Condition 1.2.8 The Licensee must only accept Inert Waste Type 1 with a signed declaration from the supplier that warrants that the load does not contain any asbestos or ACM.</p> <p>Condition 1.2.9 The Licensee must visually inspect all loads prior to unloading and during unloading to ensure that the material does not contain visible asbestos or ACM.</p> <p>Condition 1.2.10 specifies what actions are to occur when asbestos or ACM is confirmed in accordance with the DER's Asbestos Guidelines.</p> <p>Condition 1.2.11 Specifies that the Licensee must maintain classified loads in a damp state using appropriate dust suppression measures.</p>	



DECISION TABLE			
Works Approval / Licence section	Condition number W = Works Approval L = Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
		<p>Condition 1.2.12 specifies that the Licensee must ensure that suspected loads are classified as 'high risk' and managed in accordance with the DER Asbestos Guidelines.</p> <p>Condition 1.2.13 specifies that the Licensee must maintain records of all accepted loads which have been determined as Classified Loads or as 'high risk'.</p> <p>Condition 1.2.14 specifies that the Licensee must continue to visually inspect material on the Premises at all storage, sorting and processing states to identify asbestos.</p> <p>Condition 1.2.15 specifies that the Licensee must maintain material on the Premises in at least two separate stockpiles for unprocessed and processed material tested for ACM.</p> <p>Licence condition 1.2.17 has been added to the Licence to ensure that any recycled output contains no more than 0.001%w/w asbestos and condition 1.2.18 requires recycled outputs to be tested to ensure compliance with condition 1.2.17. These conditions ensure compliance with the DER asbestos guidelines.</p> <p><u>Residual Risk</u> <i>Consequence:</i> Major <i>Likelihood:</i> Rare <i>Risk Rating:</i> Moderate</p>	
Fugitive emissions	N/A	<p>Dust emissions <u>Emission Description</u> <i>Emission:</i> Fugitive dust emissions from the screening of C&D waste, dust lift-off from trafficked roads and vehicles, lift-off from stockpiles, and handling of C&D wastes and screened products. Release of asbestos fibres during crushing and screening of C&D waste. <i>Impact:</i> Degradation of local air quality. Dust emissions blocking photosynthesis in Bush Forever site located immediately opposite the Premises. Nuisance impacts on the comfort</p>	<p>S.49 of the <i>Environmental Protection Act 1986</i></p> <p>Application supporting documentation</p>



DECISION TABLE			
Works Approval / Licence section	Condition number W = Works Approval L= Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
		<p>and amenity of sensitive receptors located approximately 380 m south and other industrial premises immediately adjacent to the premises. Health and wellbeing impacts on sensitive receptors. Significant human health impacts from asbestos fibres in dust emissions.</p> <p><i>Controls:</i> The application has proposed the following dust control measures as outlined in the Dust Management Plan (DMP) dated 4 January 2016:</p> <ul style="list-style-type: none">• Asphalt profile chip hardstand with low potential for generation of dust;• Tip-off, pre-sorting, sand screening and crushing occurs in designated enclosed bays;• 2.1 m high security fence fitted with HD shade cloth and 2.1 m high colour bond fence on southern boundary;• Visual monitoring of dust crossing the Premises boundary;• Ceasing dust generating activities in high wind conditions;• Trommel screen discharge belt is fitted with dust cover and head drum water sprays;• Feed material to crusher is dampened prior to processing and fitted with belt dust covers and head drum spray system;• 2 x 25 000 litre water tanks and mobile 3000 litre Xenviromaster dust suppression unit;• Fixed reticulation systems including tip-off and processing bays and rotating impact sprinklers on top of cargo containers for coverage of stockpiles; and• Installation of a windsock to monitor wind direction and strength. <p><u>Risk Assessment</u> <i>Consequence:</i> Moderate (when dust abatement is operational) <i>Likelihood:</i> Possible <i>Risk Rating:</i> Moderate</p>	



DECISION TABLE			
Works Approval / Licence section	Condition number W = Works Approval L = Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
		<p><u>Regulatory Controls</u> Given the close proximity of sensitive receptors it is likely that the adjacent residences will be impacted to a moderate degree by dust during normal operations.</p> <p>Condition 1.2.16 (Table 1.2.2) specifies requirements that will manage dust. Condition 1.2.19 identifies required infrastructure that must be maintained to manage the risk of dust emissions. Furthermore, based on the determined risk profile, dust can be sufficiently regulated under the provisions of section 49 of the <i>Environmental Protection Act 1986</i>.</p> <p><u>Residual Risk</u> <i>Consequence:</i> Moderate <i>Likelihood:</i> Possible <i>Risk Rating:</i> Moderate</p>	
Noise	N/A	<p><u>Emission Description</u> <i>Emission:</i> Noise emissions generated from the activities on site including traffic, tip-off, sand screening and crushing. Noise-generating equipment is expected to operate on a campaign basis (see controls) which will lessen the period of noise generated / receptor exposure. <i>Impact:</i> Reduced amenity, with potential nuisance to the nearby sensitive receptors including residential properties located approximately 380 m south, and other industrial premises immediately surrounding the premises. <i>Controls:</i> The proponent has provided "Noise Management Plan – Recycling Plant, Part of 150 Flynn Dr. Neerabup" prepared by Westralian Resource Solutions Pty Ltd, 4 January 2016 (hereafter referred to as the NMP), which specify the following noise abatement measures:</p> <ul style="list-style-type: none"> • Site layout ensuring all primary noise sources are to the north of the cargo-container barrier system; • Cargo-containers have east-west orientation to minimise noise impacts to Banksia Grove residents; 	<p><i>General Provisions of the Environmental Protection Act 1986</i></p> <p><i>Environmental Protection (Noise) Regulations 1997.</i></p> <p>Application supporting documentation</p>



DECISION TABLE			
Works Approval / Licence section	Condition number W = Works Approval L = Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
		<ul style="list-style-type: none">• 2.1 m high security fence fitted with HD shade cloth and 2.1 m high colour bond fence on southern boundary;• Tip-off, sand screening and crushing activities are undertaken in enclosed sheltered areas;• Only wheel loaders to operate whilst outside of enclosed bays; and• Installation of a wind sock and manual monitoring of noise levels on Flynn Drive. <p>The proponent has undertaken a noise assessment and provided "Environmental Noise Assessment – Proposed Recycling Facility, 150 Flynn Drive Neerabup, Reference: 14092924-02B, Lloyd George Acoustics, 3 September 2015" which demonstrates compliance with the assigned noise levels.</p> <p>The proponent has also indicated that noise generating equipment will not be operating continuously. The following activities are expected: trommel sand screening – one day per week; picking belt – one day per fortnight and crushing – one week every 3-4 weeks.</p> <p><u>Risk Assessment</u> <i>Consequence:</i> Moderate <i>Likelihood:</i> Possible <i>Risk Rating:</i> Moderate</p> <p><u>Regulatory Controls</u> The controls proposed by the proponent indicate that the premises is able to comply with the <i>Environmental Protection (Noise) Regulations 1997</i>; ongoing compliance will be expected.</p> <p><u>Residual Risk</u> <i>Consequence:</i> Moderate <i>Likelihood:</i> Unlikely <i>Risk Rating:</i> Moderate</p>	



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	L2.2.1	Licence condition 2.2.1 has been added to the Licence to ensure monitoring of waste inputs and outputs, which is required to determine compliance with condition 1.2.1 throughput limits and validate annual fee submissions.	
Information		<p>Licence condition 3.1.1 has been added to the Licence, which outlines the requirements for any records that are required under this licence, such as ensuring they are legible and retained for 6 years which assists DER is regulating the conditions of this licence.</p> <p>Licence condition 3.1.2 has been added to the Licence, which requires the occupier to undertake an audit of their operations against the conditions of the licence and to report on this compliance in an Annual Audit Compliance Report (AACR). This condition assists DER in regulating the occupier's compliance with licence conditions and allows and opportunity for DER to review the occupier's environmental performance.</p> <p>Licence condition 3.1.3 has been added to the Licence, which requires a complaints management system to be implemented where the occupier can internally address any issues that arise from premises operations. This condition is required as per the risk assessments conducted above for nuisance emissions. DER will review these complaints as reported in the Annual Environmental Report (AER) and will consider whether a reassessment of any regulatory controls is required to address any complaints.</p> <p>Licence condition 3.2.1 has been added to the Licence, which requires the licensee to submit an AER. The AER is required to include the AACR and a summary of the complaints required under condition 3.1.3. The AER is also required to provide results for the monitoring of inputs/output, monitoring of asbestos content of recycled products and a summary of malfunction of pollution control equipment or any environmental incidents. DER reviews all of the data provided in the AER to assess compliance with the licence conditions and to monitor the environmental impacts from the premises.</p>	



DECISION TABLE			
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		Licence condition 3.3.1 has been added to the Licence, which requires the licensee to notify the CEO if there is a breach of any licence limit (i.e. processing limits). The notifications required under this condition give DER appropriate notice of any environmental impacts at the premises so that DER can determine if any further action is required to address the incident.	
Licence Duration	N/A	<p>This Licence is for the operation of a new facility established under works approval W5921/2015/1. The Compliance Certificate following construction of the facility was received on 21 May 2016.</p> <p>Development Approval was granted by the City of Wanneroo on 9 October 2015 as Industry – General (Recycling Plant). The premises has planning approval from the City of Wanneroo with no review or cease date. The term of the Lease Agreement, held between the Occupier of the premises and the Landowner has an expiry date of 31 August 2020. It is therefore recommended that this licence be issued for a period of four years based on the term of the Lease Agreement.</p>	



5 Advertisement and consultation table

Date	Event	Comments received/Notes	How comments were taken into consideration
01/02/2016	Application advertised in West Australian (or other relevant newspaper)	No comments received.	N/A
01/02/2016	Application referred City of Wanneroo	No comments received.	N/A
08/03/2016 25/05/2016	Proponent sent a copy of draft instrument	No comments received. No concerns or issues noted.	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