Government of Western Australia
Department of Water and Environmental Regulation

Licence

Environmental Protection Act 1986, Part V

Licence Holder: Peel Resource Recovery Pty Ltd

Licence: L8963/2016/1

Registered office: 49 Munday Avenue
PINJARRA WA 6208

ACN: 149 428 697

Premises address: Vasse Waste Transfer Station
Ostler Drive
VASSE WA 6280
Being Lot 51 on Plan 52479 as depicted in Schedule 1

Issue date: Friday, 9 February 2018

Commencement date: Friday, 9 February 2018

Expiry date: Monday, 8 February 2038

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	100 000 tonnes per annual period

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

Date signed 09 February 2018
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Stephen Checker
MANAGER LICENCING (WASTE INDUSTRIES)
Regulatory Services (Environment)
Officer delegated under section 20
of the *Environmental Protection Act 1986*

Contents

Introduction

This Introduction is not part of the Licence conditions.

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

DWER has responsibilities under Part V of the *Environmental Protection Act 1986* (the Act) for the licensing of prescribed premises. Through this process DWER regulates to prevent, control and abate pollution and environmental harm to conserve and protect the environment. DWER 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/Licence Holder 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

Background

A licence application was submitted by Peel Resource Recovery Pty Ltd (PRR) to operate a solid waste depot (category 62), Vasse Waste Transfer Station.

On 31 August 2016, works approval (W5967/2016/1) was issued to PRR to construct a Category 62 – Solid Waste Depot located on Lot 51 on Plan 52479, Ostler Drive, Vasse, within the Vasse Light Industrial Estate. Compliance documentation has now been received confirming that the construction of the infrastructure has been completed in accordance with the conditions of works approval W5967/2016/1.

The premises is approximately 14 km south west of Busselton. The design capacity of the premises is 100,000 tonnes per annual period and is expected to operate for a 20 year period (based on estimated infrastructure life).

The premises will accept recycled construction and demolition waste materials from commercial and residential construction and demolition projects consisting of bricks, concrete, tiles, sand and gravel (Inert waste type 1). Recycled and crushed product will also be received from PRR's Australind facility (L7060/1997/13), and stored in bunkers/ storage bays on a sealed area outside of the sorting shed. All crushed aggregate will be transported in covered waste bins prior to being stored within the bunkers at the premises for sale to the public.

The Waste Transfer Station will be used to sort (manually or by front end loader) recycled waste materials received only. No screening or crushing of waste materials occurs. The machinery used at the premises will include a bobcat, front end loader and excavator.

The premises consists of a purpose built shed designed to contain fugitive emissions (dust/ noise). The shed is enclosed and constructed to include the following:

- Colour bond roof and concrete walls (150 mm);
- Concrete base (permeability of ≤1 x 10^{-9} m/s or equivalent);
- Internal drainage system to contain any potentially contaminated run-off to silt traps (waste to be disposed of to a licenced landfill), with external surface run-off directed to a vegetated swale;
- Roof shed lined with 50 mm thick foil faced 'Anticon' to assist with noise mitigation;
- Water misting system fitted to both the interior of the sorting shed and to external bunkers to reduce dust emissions.

Once the waste materials have been sorted at the premises they will be placed into bunkers outside of the sorting shed for sale to the public.

Unwanted (non-conforming) separated waste including plastic, paper, putrescible waste, hazardous materials and asbestos containing materials will be temporarily stored in a designated storage area in enclosed bins, and removed from site for disposal at an appropriate facility. Putrescible waste will be stored in sealed containers. Scrap metal will be collected by a metal recycler.

The premises will receive up to a maximum of 50 truck movements daily via the Vasse Bypass.

The applicant has developed an Environmental Management Plan and Asbestos Management Plan (AMP) for the premises. The AMP has been developed in accordance with the 'Guidelines for Managing Asbestos at Construction and Demolition Waste Recycling Facilities'.

The premises operates Monday to Saturday, between 7am-7pm.

The closest sensitive receptor is a proposed residential development approximately 300 m east of the site ('Vasse Residential Estate') which is currently under construction.

The purchase of Lot 51 has been considered by the proponent as subject to the issuing of the relevant *Environmental Protection Act 1986* approval. The City of Busselton's Planning Coordinator confirmed on 6 February 2018 that planning/occupancy approval was issued in January 2018.

Primary emissions are fugitive emissions (dust/ noise), with minor emissions to land through run-off from the sealed road areas or via the silt traps within the sorting shed to the vegetated swale.

This Licence is for the operation of a new facility established under works approval W5946/2016/1. The licences and works approvals issued for the Premises are:

Instrument log		
Instrument	**Issued**	**Description**
W5967/2016/1	31 August 2016	New Works Approval
L8963/2016/1	9 February 2018	New 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;*

'annual period' means a 12 month period commencing from 1 January until 31 December in each year;

'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 containing material' means asbestos containing material and has the meaning defined in the Guidelines for Assessment, Remediation and Management of Asbestos Contaminated Sites, Western Australia, (DOH, 2009);

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

'CEO' for the purpose of notification means;

Director General
Department Administering the *Environmental Protection Act 1986*
Locked Bag 33 Cloisters Square
PERTH WA 6850
info-der@dwer.wa.gov.au

'Classified load' means the classification of waste loads during acceptance and post acceptance based on the risk of waste material containing asbestos or ACM and through visual inspection. Classification of waste loads shall be undertaken in accordance with the provisions outlined in Section 3.3 and 3.4 DWER Asbestos Guidelines.

'Construction and demolition waste' means Materials in the waste stream which arise from construction, refurbishment or demolition activities;

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

'Department' means the department established under section 35 of the *Public Sector Management Act 1994* and designated as responsible for the administration of Part V, Division 3 of the EP Act;

'Department Request' means a request for Books or other sources of information to be produced, made by an Inspector or the CEO to the Licence Holder in writing and sent to the Licence Holder's address for notifications, as described at the front of this Licence, in relation to:

(a) compliance with the EP Act or this Licence;

(b) the Books or other sources of information maintained in accordance with this Licence; or

(c) the Books or other sources of information relating to Emissions from the Premises.

'DWER Asbestos Guidelines'

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

'Inert waste type 1' means non-hazardous, non-biodegradable (half-life greater than 2 years) wastes containing contaminant concentrations less than Class I landfill acceptance criteria but excluding paper and cardboard (paper and cardboard are biodegradable materials and are therefore considered as putrescible waste), and materials that require treatment to render them inert (e.g. peat, acid sulfate soils);

'Licence' refers to this document, which evidences the grant of a Licence by the CEO under s.57 of the EP Act, subject to the Conditions;

'License Holder' refers to the occupier of the premises being the person to whom this Licence has been granted, as specified at the front of this Licence;

'non-conforming wastes' means any waste types other than construction or demolition waste and as defined within the 'Landfill Waste Classification and Waste Definitions 1996' guideline;

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

'Products' refers to Waste which have undergone crushing, processing or screening to create a useable recycled product and which has been tested and conforms to the specifications of this Licence;

'Waste' has the same meaning given to that term under the EP Act; and

'*Schedule 1'* means Schedule 1 of this Licence unless otherwise stated.

'*Schedule 2'* means Schedule 2 of this Licence unless otherwise stated.

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 Licence Holder shall only accept waste on to the Premises if:
(a) it is of a type listed in Table 1.2.1; and
(b) the quantity accepted is below any quantity limit listed in Table 1.2.1; and
(c) it meets any specification listed in Table 1.2.1.

Table 1.2.1: Waste acceptance		
Waste type	**Quantity limit**	**Specification**
Inert waste type 1 Scrap metal	100,000 tonnes per annual period	• Acceptance of construction and demolition waste only for processing and re-use/ disposal off site.
Inert waste type 2	Less than 25 car tyre equivalent at any one time	• Permitted as a minor contaminant in inert waste loads only - pending storage and removal offsite
Non conforming wastes (limited to putrescible waste, plastic and paper)	Combined total of 5000 tonnes per annual period – to be included in 100,000 tonne per annual period quantity limit for the site	• Permitted as a minor contaminant in inert waste loads only - pending storage and removal offsite

1.2.2 The Licence Holder 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.

1.2.3 The Licence Holder 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 or bagged and kept within a clearly identified, labelled, segregated and secure container prior to being removed off site to an appropriate authorised facility within 48 hours.

1.2.4 The Licence Holder must advise all source material providers that asbestos or potentially asbestos contaminated material is not accepted at the Premises.

1.2.5 The Licence Holder must include a 'no asbestos' clause in all contracts with all source material providers.

1.2.6 The Licence Holder must maintain a clearly visible sign saying 'No Asbestos' at the entry to the Premises.

1.2.7 The Licence Holder must visually inspect all loads of waste when they arrive at the Premises prior to unloading to determine the risk of a load containing asbestos or ACM and each load shall be classified in accordance with the risk classification procedure outlined in Attachment 1.

1.2.8 The Licence Holder must inspect 'high risk' classified loads for asbestos or ACM in accordance with the 'high risk load procedure' in Attachment 2

1.2.9 Where the inspection required by conditions 1.2.6 or 1.2.7 confirms that the load does contain asbestos or ACM, the Licence Holder must:

(a) reject the waste for acceptance;
(b) maintain accurate records of all rejected loads on the Premises and the documentation must be made available to DWER officers upon request; and
(c) record the details of the waste source, material carrier, registration number of the vehicle and date of rejection.

1.2.10 The Licence Holder 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**
Inert waste type 1 ; Scrap metal (Construction and demolition waste only)	Receipt, handling and storage prior to disposal/ reuse	• Sorted within an enclosed, concrete walled facility which incorporates a concrete hardstand; • Sorting, processing and storage of waste only to take place whilst the misting system (internal and external) is fully operational; • Processing of waste to be undertaken within the sorting shed (as depicted in the "Map of premises layout" in Schedule 1) and only to take place whilst roller doors are closed; • Processed waste to be stored in external three-sided concrete bunkers upon concrete hardstands; • Enclosed storage bins to be stored within the sorting shed, on a concrete hardstand, for the collection of non-conforming wastes; and • All non-conforming wastes to be removed from the premises and disposed of to a licenced landfill or appropriate facility.
Non conforming wastes (Inert waste type 2 – tyres)	Receipt, handling and storage	• Storage of no more than 25 tyres • Non-conforming waste - only permitted to be stored pending removal offsite
Non conforming wastes (limited to putrescible waste, plastic and paper)	Receipt, handling and storage	• Non-conforming waste - only permitted to be stored pending removal offsite; • Only to be sorted within the Transfer Station sorting shed; • All putrescible waste (excluding greenwaste) is to be stored in impervious, lidded vessels on a hardstand surface; • All putrescible waste other than greenwaste is to be removed offsite weekly by close of business each Friday; and • No more than 10 tonnes of combined non conforming wastes to be stored onsite at any time.

1.2.11 The Licence Holder shall:
(a) implement security measures at the site to prevent as far as is practical unauthorised access to the site; and
(b) undertake regular inspections of all security measures and repair damage as soon as practicable; and
(c) ensure the entrance gates are closed and locked when the site is closed or unmanned.

1.2.12 The Licence Holder shall install and maintain a sign at the entrance to the Premises which clearly displays the following information;
(a) contact telephone number; and
(b) type of material accepted for processing.

1.2.13 The Licence Holder shall restrict all vehicle movements at the premises to 10 km/hour or less.

1.2.14 The Licence Holder shall not operate any bobcat, front end loader, excavator or other

noise generating plant or equipment outside of Monday to Saturday, between 7.00 am-7.00 pm

2 Monitoring

2.1 Monitoring of inputs and outputs

2.1.1 The Licence Holder shall undertake the monitoring in Table 3.1.1 according to the specifications in that table.

Table 3.1.1: Monitoring of inputs and outputs

Input/Output	Parameter	Units	Averaging period	Frequency
Waste input	Inert waste type 1 - Construction and demolition waste	Tonnes/ kilograms	Monthly	Each batch arriving at premises
Waste output	Inert waste type 1 - Construction and demolition waste	Tonnes/ kilograms; Number of tyres	Monthly	Each load leaving or rejected from the premises
	Non-conforming wastes by type			
	Collection and removal of residual sediment or liquid waste to licenced landfill	Litres/ m^3	Weekly	Each load removed from the silt traps

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 Licence Holder must submit to the CEO within 90 days after the end of the annual period, a Compliance Report indicating the extent to which the Licence Holder has complied with the conditions in this Licence for the annual period.

3.1.3 The Licence Holder shall:
- (a) implement a complaints management system that shall record the following information (if known or provided) about complaints received at the Premises concerning any environmental impact of the activities undertaken at the Premises:
  - (i) name and address of the complainants (if consented);
  - (ii) date and time of complaint;
  - (iii) date and time of alleged incident;
  - (iv) alleged source of the incident;
  - (v) general description of the alleged incident, including any environmental or health impacts reported by the complainant;

(vi) wind direction, wind speed and temperature at time of alleged incident;
(vii) likely source of the alleged incident; and
(viii) actions taken by the Licence Holder to address the complaint, including the outcome of any investigation(s) and action(s) to verify any impacts.

(b) complete an annual analysis and review of complaints recorded under 3.1.3(a) to identify any common factors and root cause of complaints and proposals to address these.

3.1.4 If an Emission that is not a General Emission occurs on the Premises, then the Licence Holder must:

(a) investigate why the Emission occurred;

(b) take all reasonable steps to prevent the Emission occurring again;

(c) record the details of the investigation and all steps taken; and

(d) provide a copy of the record to the CEO within 21 days of the date the Licence Holder became aware of the Emission occurring.

3.1.5 The Licence Holder must comply with a Department Request, within 14 days from the date of the Department Request or such other period as agreed to by the Inspector or the CEO.

3.2 Reporting

3.2.1 The Licence Holder shall submit to the CEO an Annual Environmental Report within 60 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
Table 2.1.1	Summary of inputs and outputs	
3.1.3	Complaints summary	None specified

Note 1: Forms are in Schedule 2

3.3 Notification

3.3.1 The Licence Holder 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

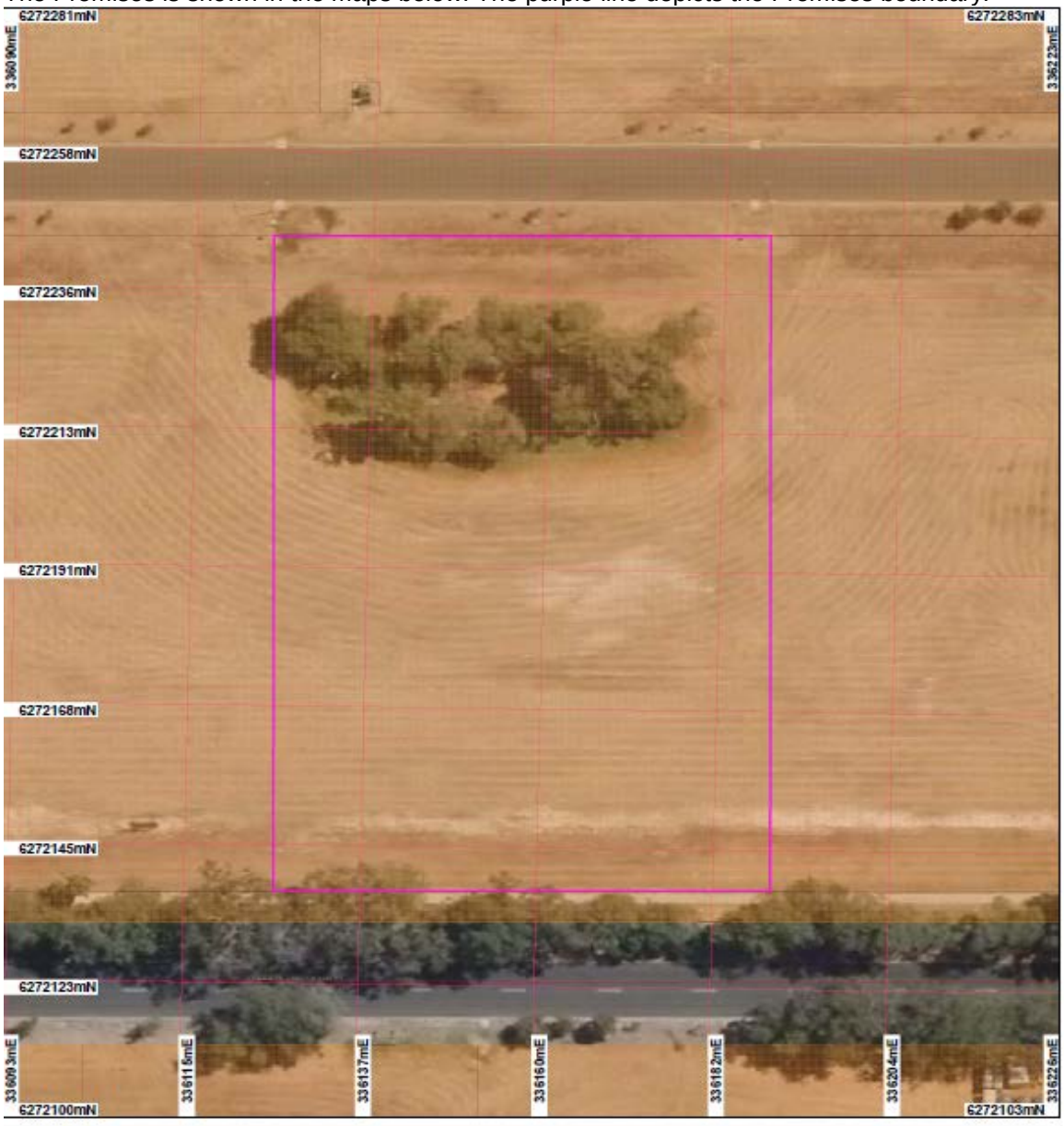
Condition or table (if relevant)	Parameter	Notification requirement[1]	Format or form[2]
1.2.1	Breach of any limit specified in the Licence	Part A: As soon as practicable but no later than 5pm of the next usual working day. Part B: As soon as practicable	N1

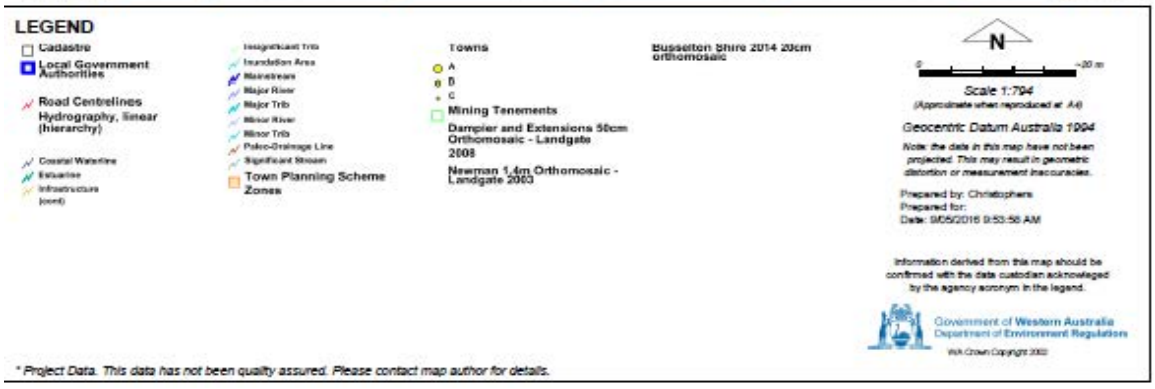
Note 1: Notification requirements in the Licence shall not negate the requirement to comply with s72 of the Act
Note 2: Forms are in Schedule 2

Schedule 1: Maps

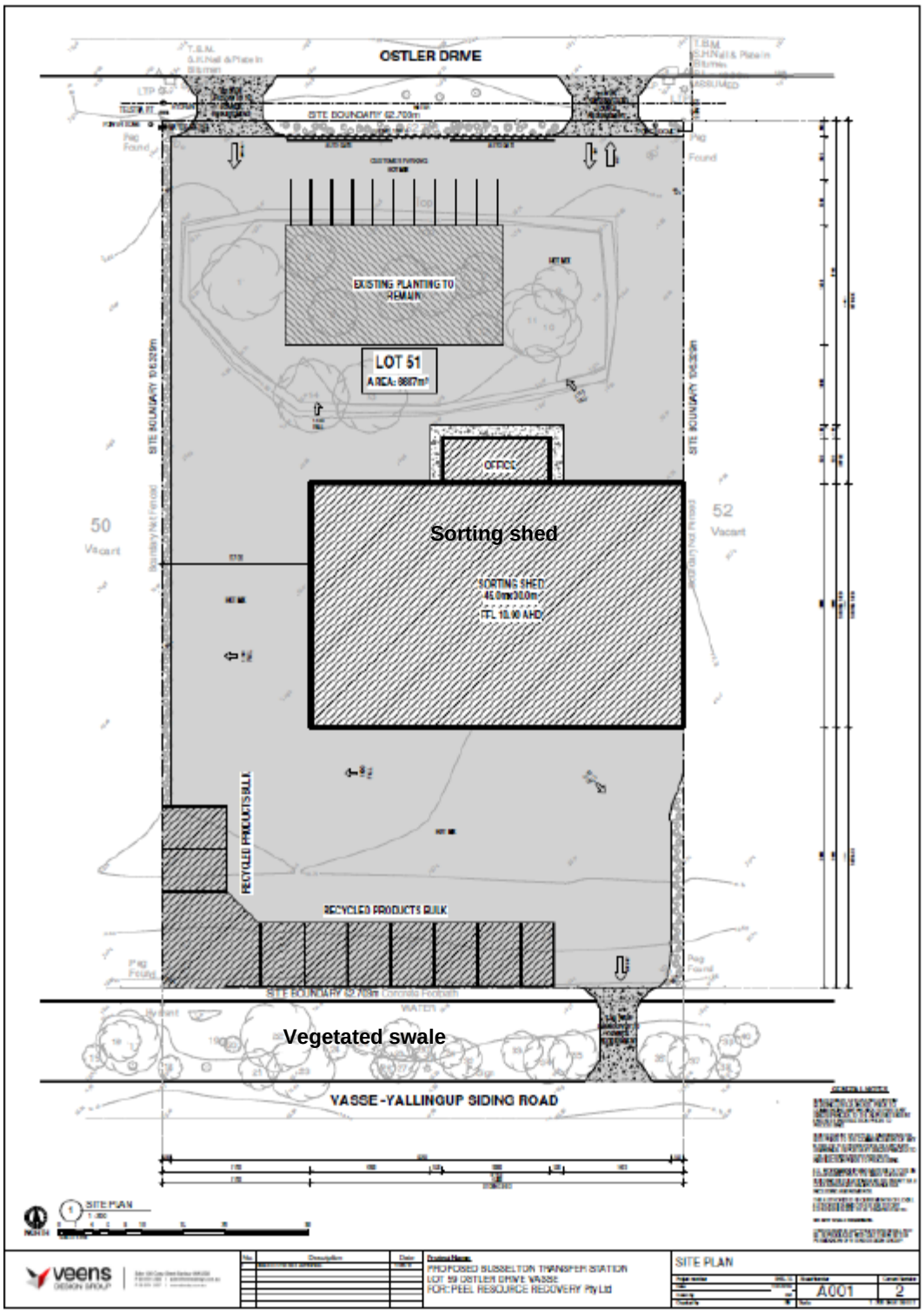
Premises map

The Premises is shown in the maps below. The purple line depicts the Premises boundary.





Map of premises layout



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.

Licence: L8963/2016/1 Licence Holder: Peel Resource Recovery Pty Ltd
Form: N1 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 Peel Resource Recovery Pty Ltd	
Date	

Attachment 1: Section of 3.3 of the DWER Asbestos Guidelines (pages 10 and11)

3.3 Acceptance procedures

When waste arrives at the recycling facility, acceptance procedures must serve to confirm that the characteristics of the waste are consistent with the waste types permitted by the Part V licence and to determine the risk of the load containing asbestos.

To follow on from the pre-acceptance procedures, all persons bringing waste onto the premises must be asked to sign a declaration or provide a 'customer warranty' on a vehicle load specific basis confirming that their load is free from asbestos. The associated documentation should be retained on the premises and be available for DEC to inspect Where an individual is not prepared to sign this disclaimer or provide such a warranty the load shall be refused entry.

All loads must be visually inspected when they arrive at the recycling site. Where the inspection identifies that the wastes are not permitted by the licence and/or asbestos is visually identified in the load it shall be rejected for acceptance. A record of all rejected loads must be maintained on the premises and be available for DEC to inspect. As a minimum, a record must be made of the waste producer, waste carrier, registration number of the vehicle and the date of rejection.

The risk of a load containing asbestos is related to the type and source of the waste. In general, buildings and structures constructed after 1990 are unlikely to have asbestos containing materials within them, whereas buildings and structures constructed before this date may have been built using asbestos containing materials.

Because large buildings and structures undergo regulated asbestos removal programs and inspections before they are demolished the probability of asbestos being present in the demolition debris should be low. However, a risk of contamination can remain from asbestos formwork embedded or attached to concrete columns that cannot be readily identified through the asbestos clearance certification processand from asbestos piping from reclaimed road, car park areas and water supply systems.

It is also common for mixed waste from unknown sources, particularly those in skip bins or from small-scale demolition or refurbishment activities to contain amounts of asbestos waste. These sources must be considered high risk.

To determine the risk of an incoming load containing asbestos the gatehouse operator shall establish:

- The source of the load including the site location and if possible the age of any building or structure from which the C&D waste originated;

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- The content/waste types within the load; and
- The type of load.

Where the source of the load can clearly be determined to be a building or structure constructed after 1990 then the load can be considered to represent a low risk of asbestos contamination and managed as outlined in the following section. Where the waste originates from a building constructed before 1990 or there is uncertainty over this issue, the risks associated with asbestos in the load must be established in line with the Risk Classification Matrix below.

Once classified, each load must be directed to the appropriate area for unloading and further inspection in line with the following sections.

Risk Classification Matrix			
	Type of load		
Material Type	**Commercial**	**Public, utes, cars and trailers***	**Skip bins**
Clean Concrete (without formwork)	Low	High	High
Clean Brick	Low	High	High
Clean Bitumen / Asphalt	Low	High	High
Mixed Construction waste	High	High	High
Mixed Demolition waste	High	High	High

* if it is possible to view the entire load of incoming C & D material (eg a small trailer with a shallow load, then consideration may be given to classifying these loads as low risk
(Risk Matrix Classification *adapted from WorkSafe Victoria 2006 and WMAA 2009*)

3.4 Load inspection after acceptance

Each accepted and classified load shall be directed to an unloading area at the site which is appropriately designed and constructed to ensure the waste will not mix with other waste. Where feasible, separate unloading areas shall be provided for low risk and high risk wastes.

All loads shall be dampened prior to unloading and maintained in a dampened state throughout the inspection process. Operators will need to ensure there are adequate facilities on the premises to achieve this.

Low risk load procedure

Loads classified as "low risk", must be visually inspected while the material is being unloaded to determine whether any asbestos can be identified.

If suspect fibrous asbestos (FA) or asbestos fines/fibres (AF) are detected, the load must be isolated, kept wet and once appropriately contained in accordance with the Asbestos Factsheet in Appendix A, redirected to an appropriately authorised disposal facility. If suspect ACM is identified, the load must be reclassified as "high risk" and continue to be processed in accordance with the high risk procedure below. Where the visual inspection confirms that the

Attachment 2: Section of 3.4 of the DWER Asbestos Guidelines (pages 11 and 12)

3.4 Load inspection after acceptance

Each accepted and classified load shall be directed to an unloading area at the site which is appropriately designed and constructed to ensure the waste will not mix with other waste. Where feasible, separate unloading areas shall be provided for low risk and high risk wastes.

All loads shall be dampened prior to unloading and maintained in a dampened state throughout the inspection process. Operators will need to ensure there are adequate facilities on the premises to achieve this.

Low risk load procedure

Loads classified as "low risk", must be visually inspected while the material is being unloaded to determine whether any asbestos can be identified.

If suspect fibrous asbestos (FA) or asbestos fines/fibres (AF) are detected, the load must be isolated, kept wet and once appropriately contained in accordance with the Asbestos Factsheet in Appendix A, redirected to an appropriately authorised disposal facility. If suspect ACM is identified, the load must be reclassified as "high risk" and continue to be processed in accordance with the high risk procedure below. Where the visual inspection confirms that the

load is clear of suspect ACM, FA and AF, the load may then be added to the waste stockpiles awaiting further processing eg crushing and screening.

High risk load procedure

Loads classified as "high risk" must be unloaded and spread over a sufficiently large area to enable a comprehensive visual inspection of all sides of the material to be undertaken. One method of achieving this is to spread the material to a depth of less than 30cm and to turn over the material with the use of an excavator or similar. Where appropriate, larger sections of concrete should be inverted to permit a visual check for embedded or underlying asbestos product debris.

If suspect FA or AF are detected, the load must be isolated, kept wet and once appropriately contained in accordance with the Asbestos Factsheet in Appendix A, and redirected to an appropriately authorised disposal facility.

Where suspect ACM is identified within a load and is not capable of being easily removed by hand, the load must be rejected and should be isolated, kept wet and once appropriately contained in accordance with the Asbestos Factsheet in Appendix A, and redirected to an appropriately authorised disposal facility.

Where suspected ACM fragments capable of being easily removed by hand are identified in a load, the suspect ACM must be removed from the load and either:

1. Appropriately isolated and covered for asbestos testing. If testing of representative samples confirms the material is ACM it must be redirected to an appropriately authorised disposal facility. If testing confirms the material is not ACM the waste can be added to the stockpile awaiting further processing; or

2. Assumed to be ACM and redirected to an appropriately authorised disposal facility.

All suspected or assumed ACM must be segregated. Material must be clearly labelled, kept secure and sufficiently contained to prevent the release of asbestos including wind blown fibres.

Once all suspected or assumed ACM has been removed from a load in line with the above procedure the residual waste can be added to the stockpile awaiting further processing.

Records must be kept to ensure that the process from receipt of C&D material to the completion of the unloading procedure is auditable and that any loads found to contain suspect asbestos can be traced back to the customer and originating site. Through Part V licence conditions, DEC will require records of loads found to contain asbestos and action taken by the C&D recycler to address this issue with the customer, to be submitted on a regular basis. DEC will take follow up action with customers delivering asbestos containing waste to the premises as necessary.

Government of Western Australia
Department of Water and Environmental Regulation

Decision Document

Environmental Protection Act 1986, Part V

Proponent: Peel Resource Recovery Pty Ltd

Licence: L8963/2016/1

Registered office:	49 Munday Avenue PINJARRA WA 6208
ACN:	149 428 697
Premises address:	Vasse Waste Transfer Station Ostler Drive VASSE WA 6280 Being Lot 51 on Plan 52479
Issue date:	Friday, 9 February 2018
Commencement date:	Friday, 9 February 2018
Expiry date:	Monday, 8 February 2038

Decision

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

Decision Document prepared by: Abnesh Chetty
Licensing Officer

Decision Document authorised by: Stephen Checker
Delegated Officer

Contents

1 Purpose of this Document

This decision document explains how DWER has assessed and determined the application and provides a record of DWER's decision-making process and how relevant factors have been taken into account. Stakeholders should note that this document is limited to DWER'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 ☐ New Licence ☒ Licence amendment ☐ Works Approval amendment ☐	
Activities that cause the premises to become prescribed premises	**Category number(s)**	**Assessed design capacity**
	62 – Solid Waste Depot	100,000 tonnes per annual period
Application verified Application fee paid	Date: 13/04/2016 Date: 09/05/2016	
Works Approval has been complied with Compliance Certificate received	Yes☒ No☐ N/A☐ Yes☒ No☐ N/A☐	
Commercial-in-confidence claim	Yes☐ No☒	
Commercial-in-confidence claim outcome	N/A	
Is the proposal a Major Resource Project?	Yes☐ No☒	
Was the proposal referred to the Environmental Protection Authority (EPA) under Part IV of the *Environmental Protection Act 1986*?	Yes☐ No☒	Referral decision No: Managed under Part V☐ Assessed under Part IV☐
Is the proposal subject to Ministerial Conditions?	Yes☐ No☒	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 *Environmental Protection Act 1986*)?	Yes☐ No☒ Department of Water consulted Yes ☐ No ☒	
Is the Premises within an Environmental Protection Policy (EPP) Area Yes☐ No☒ If Yes include details of which EPP(s) here.		
Is the Premises subject to any EPP requirements?Yes☐No☒ If Yes, include details here, eg Site is subject to SO_2 requirements of Kwinana EPP.		

3 Executive summary of proposal and assessment

Peel Resource Recovery Pty Ltd (PRR) has submitted a licence application to operate a Category 62 – Solid Waste Depot (Vasse Waste Transfer Station) located on Lot 51 on Plan 52479, Ostler Drive, Vasse, within the Vasse Light Industrial Estate. The premises is approximately 14 km south west of Busselton. The design capacity of the premises is 100,000 tonnes per annual period and is expected to operate for a 20 year period (based on estimated infrastructure life).

The premises will accept recycled construction and demolition waste materials from commercial and residential construction and demolition projects consisting of bricks, concrete, tiles, sand and gravel (Inert waste type 1). Recycled and crushed product will also be received from PRR's Australind facility (L7060/1997/13), and stored in bunkers/ storage bays on a sealed area outside of the sorting shed. All crushed aggregate will be transported in covered waste bins prior to being stored within the bunkers at the premises for sale to the public.

The Waste Transfer Station is only used to sort (manually or by front end loader) recycled waste materials received only. No screening or crushing of waste materials occurs. The machinery used at the premises includes a bobcat, front end loader and excavator. The premises operates Monday to Saturday, between 7am-7pm.

The premises consists of a purpose built shed designed to contain fugitive emissions (dust/ noise). The shed is enclosed and constructed to include the following:

- Colour bond roof and concrete walls (150 mm);
- Concrete base (≤1 x 10^{-9} m/s or equivalent);
- Internal drainage system to contain any potentially contaminated run-off to silt traps (waste to be disposed of to a licenced landfill), with external surface run-off directed to a vegetated swale;
- Roof shed lined with 50 mm thick foil faced 'Anticon' to assist with noise mitigation;
- Water misting system fitted to both the interior of the sorting shed and to external bunkers to reduce dust emissions.

Once the waste materials have been sorted at the premises they will be placed into bunkers outside of the sorting shed for sale to the public.

Unwanted (non-conforming) separated waste including plastic, paper, putrescible waste, hazardous materials and asbestos containing materials will be temporarily stored in a designated storage area in enclosed bins, and removed from site for disposal at an appropriate facility. Putrescible waste will be stored in sealed containers. Scrap metal will be collected by a metal recycler.

The premises will receive up to a maximum of 50 truck movements daily via the Vasse Bypass.

The applicant has developed an Environmental Management Plan and Asbestos Management Plan (AMP) for the premises. The AMP has been developed in accordance with the 'Guidelines for Managing Asbestos at Construction and Demolition Waste Recycling Facilities'.

The closest sensitive receptor is a proposed residential development approximately 300 m east of the site.

The City of Busselton's Planning Coordinator confirmed on 6 February 2018 that planning/occupancy approval was issued in August 2016.

Primary emissions are fugitive emissions (dust/ noise), with minor emissions to land through run-off from the sealed road areas or via the silt traps within the sorting shed to the vegetated swale.

As the application was received in 2016, consultation with the applicant's consultant on the draft licence had occurred using the licence format current at the time (i.e. format of this licence). As this consultation had been undertaken in an older licence format, the Delegated Officer has kept the format constant and updated relevant information as required. The assessment has been reviewed with consideration to the full suite of current DWER operational procedure and policy, including the following documents:

DER, July 2015. *Guidance Statement: Regulatory principles.* Department of Environment Regulation, Perth.
DER, October 2015. *Guidance Statement: Setting conditions.* Department of Environment Regulation, Perth.
DER, August 2016. *Guidance Statement: Licence duration.* Department of Environment Regulation, Perth.
DER, November 2016. *Guidance Statement: Risk Assessments*. Department of Environment Regulation, Perth.
DER, November 2016. *Guidance Statement: Decision Making*. Department of Environment Regulation, Perth.

4 Decision table

All applications are assessed in line with the *Environmental Protection Act1986*, the *Environmental Protection Regulations 1987* and DWER'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	Condition 1.2.1 defines the waste types for acceptance at the premises. A small amount of non-conforming wastes have been included as common contaminants (such as tyres and greenwaste) will need to be sorted out and stored pending disposal. Condition 1.2.2 requires the Licensee to ensure all waste not meeting the requirements of condition 1.2.1 is removed from the premises. Condition 1.2.3 – 1.2.9 relate to asbestos management as per the risk assessment under 'fugitive emissions' below.. Condition 1.2.10 defines how the accepted waste type is to be processed and sets process limits for the facility. Conditions 1.2.11 and 1.2.12 define the minimum security measures and signage required at the premises. Condition 1.2.13 defines vehicle speed limits for the purposes of managing dust and noise emissions. Condition 1.2.14 defines the hours of operation for the premises. .	Application supporting documentation
Emissions to land including monitoring	N/A	<u>Emission Description</u> *Emission:* Contaminated wash down water or stormwater discharged from the silt traps to the vegetated swale. *Impact:* Potential contamination of groundwater (1.8 mBGL) and influence on groundwater ecology. The site is not within a proclaimed Groundwater Protection Area or public drinking water supply area. The nearest bore to the site was identified as being approximately 50 m south of the site boundary (bore ID 61015224). The	*Environmental Protection (Controlled Waste) Regulations 2004* *Environmental*

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		groundwater level measured at this bore was approximately 1.8 m below ground level. The local groundwater flow is likely to be in a north easterly direction towards the Buayanyup Main Drain and Geographe Bay. Site is approximately 8 km west of the Vasse-Wonnerup Wetland System (proclaimed Ramsar wetland system). *Controls:* Any discharge from the sorting shed is to be captured within the silt traps prior to any discharge of liquids from the shed to the vegetated swale. The silt traps will be cleaned out through regular maintenance of the shed, and waste discharged to a licensed landfill. The type of waste to be received to the premises is expected to be Inert waste type 1 which has a low potential risk for leachates or contamination to occur. Any accidental receival of other waste types (e.g. hazardous, asbestos, putrescible) will be separated and stored in enclosed bins prior to removal to a licensed landfill. The proponent will not be washing down any trucks/ vehicles at the premises. <u>Risk Assessment</u> *Consequence:* Slight *Likelihood*: Possible *Risk Rating:* Low <u>Regulatory Controls</u> The Licence includes conditions (1.2.1 – 1.2.2) which specify what wastes may be received and how these should be managed. . Unauthorised discharges (including discharge of sediment) are subject to the provisions of the *Environmental Protection (Unauthorised Discharges) Regulations 2004*. The general provisions of the *Environmental Protection Act 1986* relating to causing pollution and environmental harm also apply.	*Protection (Unauthorised Discharges) Regulations, 2004* Landfill Waste Classification and Waste Definitions 1996.

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Fugitive emissions	N/A	Emission Description *Emission*: Fugitive dust emissions from receipt of inert waste type 1 (bricks, tile, gravel, concrete, sand) and transfer of sorted (manually and by front end loader) waste materials into bunkers outside of the sorting shed. *Impact*: Reduced local air quality. Potential for exposure to asbestos dust. *Controls*: The inert waste type 1 materials will be received within an enclosed shed and discharged, at lowest height possible, onto a concrete surface for sorting and later storage in bunkers outside of the shed. The shed and external bunkers will have a misting system to reduce particulates released into the atmosphere. The premises has an Environmental Management Plan which defines the control and management of dust at the premises. Trucks entering the premises will be required to adhere to low speed signage (≤10 km/h) with all loads brought in being covered to minimise dust emissions. Risk Assessment *Consequence:* Minor *Likelihood:* Possible *Risk Rating*: Medium Regulatory Controls Conditions 1.2.10 and 1.2.13 stipulate basic dust management controls for the premises. The provisions of Section 49 of the *Environmental Protection Act 1986* and the *Environmental Protection (Unauthorised Discharges) Regulations 2004* are also considered sufficient to regulate dust emissions during operation. Emission Description *Emission*: Fugitive emissions of asbestos dust from receipt of inert waste contaminated with asbestos.	Application supporting documentation. General provisions of the *Environmental Protection Act, 1986.* *Environmental Protection (Unauthorised Discharges) Regulations 2004.*

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		Impact: Severe health impacts to nearest receptors . *Controls*: Asbestos will not be overtly accepted. The inert waste type 1 materials will be received within an enclosed shed and discharged, at lowest height possible, onto a concrete surface for sorting and later storage in bunkers outside of the shed. The shed and external bunkers will have a misting system to reduce particulates released into the atmosphere. The premises has an Environmental Management Plan which defines the control and management of dust at the premises. Risk Assessment *Consequence:* Severe *Likelihood:* Rare *Risk Rating*: High Regulatory Controls Conditions 1.2.3-1.2.9 specify the requirements for the inspection and management of waste potentially contaminated with asbestos in accordance with DWER asbestos guidelines.	
Noise	N/A	Emission Description *Emission:* Noise from heavy vehicle movement to and from the premises (< 50 /day) and transfer of recycled waste materials from the sorting shed to the external storage bunkers. *Impact:* Interference with the health, welfare, convenience, comfort or amenity of sensitive residential receptors approximately 300 m east (proposed residential estate). *Controls:* The premises will have low speed signage (< 10 km/h) in place and all waste materials will be unloaded from the lowest possible height, within an enclosed sorting shed to minimise noise emissions. No crushing or mechanical screening of waste/sand or gravel is proposed.	*Environmental Protection (Noise) Regulations 1997.* Application supporting documentation.

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		'Herring Storer' consultants undertook a noise assessment which identified that the proposed noise emissions from the facility operation are expected to satisfy the *Environmental Regulations (Noise) Regulations 1997* to all sensitive receptors and industrial premises, for the proposed times of operation (Monday to Saturday, between 7am-7pm). The assessment was reviewed by DWER and found to be compliant to the *Environmental Regulations (Noise) Regulations 1997.* <u>Risk Assessment</u> *Consequence:* Slight *Likelihood*: Possible *Risk Rating:* Low <u>Regulatory Controls</u> Conditions 1.2.10 and 1.2.14 stipulate basic noise control conditions for the premises It is considered that the provisions of the *Environmental Protection (Noise) Regulations 1997* will also be sufficient to regulate the noise emissions during operation.	
Monitoring of inputs and outputs	L2.1.1	Condition 2.1.1 requires the monitoring of all waste inputs and outputs from the premises.	
Information	L3.1 to L3.3	Conditions 3.1.1-3.1.3 requires the recording and reporting of all processes and activities undertaken during operation that may have a potential risk to the environment, and defines how this should be reported and includes reporting of complaints associated with the premises. Condition 3.1.4 requires the licensee to investigate, record the details of the investigation and provide a report to the CEO relating to any emissions and reasonable steps to prevent the emissions from occurring.	N/A

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		Condition 3.1.5 requires the license holder to comply with the department request within 14 days. Condition 3.2.1 requires the submission on an Annual Environmental Report. Any licence limits exceedances are required to be reported under condition 3.3.1.	
Licence duration	N/A	The Licence duration is proposed for a period of 20 years in accordance with 'DWER guidance statement, Licence duration, May 2015'.	DWER Guidance statement: Licence duration

5 Advertisement and consultation table

Date	Event	Comments received/Notes	How comments were taken into consideration
16/05/2016	Application advertised in The West Australian	N/A	N/A
8/02/2018	Proponent sent a copy of draft instrument	DWER received the following comments from PRR on 9 february 2018: • is expected that in Construction and demolition wastes, we may receive few odd tyres and some tree trunks with tree roots; • We also receive metals like colorbond roof sheets, window frames, pipe structures etcs as construction materials; and • If table 1.2.1 and table 1.2.2 can be amended.	DO agrees that some type 2 Inert waste (tyres), scrap metals and putrescible waste may get mixed with the demoltion waste and therefore has allowed for the acceptance at the waste depot. Table 1.2.1 and 1.2.2 updated

6 Risk Assessment

DWER will undertake an assessment of the consequence and likelihood of the Risk Event in accordance with Table 1 below.

Table 1: Emissions Risk Matrix

Likelihood	Consequence				
	Slight	Minor	Moderate	Major	Severe
Almost certain	Medium	High	High	Extreme	Extreme
Likely	Medium	Medium	High	High	Extreme
Possible	Low	Medium	Medium	High	Extreme
Unlikely	Low	Medium	Medium	Medium	High
Rare	Low	Low	Medium	Medium	High