



<b>Licence Number</b>	L8394/2009/3
<b>Licence Holder</b>	Shire of Mundaring
<b>Registered business address</b>	7000 Great Eastern Highway MUNDARING WA 6073
<b>Date of amendment</b>	24 March 2017
<b>Prescribed Premises</b>	Category 62: Solid waste depot Category 63: Class 1 inert landfill
<b>Premises</b>	Mathieson Road Transfer Station Sime Road CHIDLOW WA 6556 Being Lots 142, 143, 150, 151 on Plan 222245 and Lot 500 on Plan 66844.

## Amendment

The Chief Executive Officer (CEO) of the Department of Environment Regulation has amended the above licence in accordance with section 59 of the *Environmental Protection Act 1986* as set out in this Amendment Notice.

Date signed: 24 March 2017

**Steve Checker**  
**MANAGER LICENCING (WASTE INDUSTRIES)**

*an officer delegated under section 20 of the Environmental Protection Act 1986 (WA)*

## Amendment Notice

This Notice is issued under section 59 of the *Environmental Protection Act 1986* (EP Act) to amend the licence issued under the EP Act for a prescribed premises as set out below. This notice of amendment is given under section 59B(9) of the EP Act.

This notice is limited only to an amendment for Category 62 design capacity and to allowing screening of organic debris collected from roadside culverts. No other changes to the aspects of the original licence relating to Category 62 have been requested by the Licence Holder.

The following DER Guidance Statements have informed the decision made on this amendment:

*Guidance Statement: Regulatory Principles* (July 2015)

*Guidance Statement: Setting Conditions* (October 2015)

*Guidance Statement: Land Use Planning* (October 2015)

*Guidance Statement: Decision Making* (November 2016)

*Guidance Statement: Risk Assessment* (November 2016)

## Amendment Description

The Licence Holder has applied to amend licence L8394/2009/3 to accept and process silty organic debris comprised mainly of decomposing leaf litter and branches from roadside culverts as part of its works program. It is estimated that a maximum of 10,000 tonnes of material would be collected on an annual basis. This activity has historically occurred for some time and there are no significant changes to operations proposed at the Site. The Licence Holder has advised that an increase in capacity is required as there is a risk that they may exceed the current licensed capacity of the site of 5,000 tonnes per annum.

The Licence Holder proposes to screen this material at the Mathieson Road Transfer Station with the intention of utilising the smaller fraction for topsoil dressing in Shire works. The oversized fraction that is comprised of larger woody debris is proposed to be used in onsite rehabilitation and erosion control activities.

This Amendment Notice is as a result of a written request from the Licence Holder (Shire of Mundaring) to:

1. Increase the Category 62 (Solid waste depot) design capacity from 5,000 to 15,000 tonnes per year; and
2. Authorise the historic practice of screening silty organic debris comprised mainly of decomposing leaf litter and branches from collected from roadside culverts,

onto the Licence L8394/2009/3.

The Licensee does not propose construction of any additional infrastructure. The following mobile equipment is proposed to be used:

- 1 x Front end loader to load screened material;
- 1 x Mobile rotary trommel screening machine; and
- Trucks for transportation of screened material.

The proposed amendment of the Licence L8394/2009/3 is made by the Delegated Officer pursuant to section 59(1) (a) of the EP Act.

## Risk Assessment

Table 1 - Risk assessment for the proposed amendments under operation

Activity	Potential emission	Potential receptors	Potential pathway	Potential impacts	Material risk	Reasoning
Category 62 – Solid waste depot	Dust: associated with the screening of organic debris collected from roadside culverts; transportation of materials and dust lift off from stockpiles.	<p><b>Residential sensitive receptors:</b> The closest sensitive (rural) residential receptor is approximately 260m to the north of the transfer station.</p> <p><b>Vegetation:</b> No Threatened Flora or Priority Flora recorded within the operational area.</p>	<b>Air/ Wind:</b> Particulate matter (fugitive dust)	Elevated total suspended particulates (TSP) can impact health and amenity of sensitive receptors	Yes	<p>The Delegated Officer has reviewed the information relating to screening of organic debris collected from roadside culverts and has found:</p> <ul style="list-style-type: none"> <li>The nearest sensitive receptor is approximately 260m north of the facility;</li> <li>The application advises that: <ul style="list-style-type: none"> <li>material will have moisture content that will not be conducive to significant levels of dust emission;</li> <li>screening operations will be undertaken following periods of rainfall;</li> <li>screening will occur less than six times annually;</li> <li>screening operations will only occur between the hours of 9am and 5pm, Monday to Friday, closed weekends and public holidays;</li> <li>manually spraying the stockpiles will be carried out before and/or during the screening process;</li> </ul> </li> </ul> <p>Based on the Licence Holder controls, the infrequency of emissions and given separation distances to residential sensitive receptors, the Delegated Officer considers that the consequence would be <b>minor</b> and the likelihood is <b>rare</b>. Therefore the risk rating for dust is <b>low</b>.</p> <p>The Delegated Officer therefore considers that the provisions of Section 49 of the <i>Environmental Protection Act 1986</i> are sufficient to regulate dust emissions.</p>
	Noise: associated with operation of the screening machine and vehicle movement activities.	<p><b>Residential sensitive receptors:</b> The closest sensitive (rural) residential receptor is approximately 260 m north of the Premises.</p>	<b>Air/ Wind:</b> Noise generated by the operation of screening machine and vehicle movement activities.	Amenity to nearby noise sensitive receptors	No	<p>The Delegated Officer has reviewed the information relating to screening of organic debris collected from roadside culverts and has found:</p> <ul style="list-style-type: none"> <li>The nearest sensitive receptor is approximately 260m north of the facility;</li> </ul> <p>The Licensee has committed to the following:</p> <ul style="list-style-type: none"> <li>Speed restrictions on vehicles arriving and leaving the premises will be imposed;</li> <li>Screening will occur less than six times annually;</li> <li>Operation of screening machine will be between the hours of 9am and 5pm, Monday to Friday, closed weekends and public holidays.</li> </ul> <p>Based on the Licence Holder controls and given separation distances to residential sensitive receptors, the Delegated Officer considers that the consequence would be <b>minor</b> and the likelihood is <b>unlikely</b>. Therefore the risk rating for noise is <b>medium</b>.</p> <p>The Delegated Officer considers that the proposal is expected to meet the requirements of the <i>Environmental Protection (Noise) Regulations 1997</i> which will</p>

						provide an acceptable level of regulatory control in the event of any noise issues.
<b>Category 62 –</b> Solid waste depot	<b>Contaminated stormwater:</b> Stormwater contaminated with sediment or leachate from the storage of debris collected from roadside culverts.	<b>Surface water quality:</b> The premises is within 1,900m of Lake Leschenaultia catchment <b>Groundwater quality:</b> Depths to groundwater information was provided with the application.	Infiltration through soil into the groundwater.  Surface runoff reaching Lake Leschenaultia	Environment	No	<p>The Delegated Officer has reviewed the information relating to stormwater contaminated with sediment or leachate from the storage of organic debris collected from roadside culverts and has found that:</p> <ul style="list-style-type: none"> <li>• organic debris collected from roadside culverts will be stored on bunded hardstand areas both before and after screening ;</li> <li>• Storm water contaminated with sediments or Leachate generated in the storage area is contained within a bunded area and diverted to the HDPE-lined leachate pond as per current licence condition 1.2.3; and</li> <li>• There will be no impact on the ground water since contaminated water will be diverted to the lined leachate pond.</li> </ul> <p>Based on the Licence conditions and controls in place, the Delegated officer considers that the consequence would be <b>minor</b> and the likelihood is <b>rare</b>. Therefore the risk rating for stormwater contaminated with sediments and leachate infiltrating into groundwater or reaching Lake Leschenaultia is <b>low</b>.</p>

## Decision

The Delegated Officer has determined that an amendment be made to the Licence to increase the Category 62 (Solid waste depot) design capacity to 15,000 tonnes per year and for the inclusion of additional waste processing for organic debris collected from roadside culverts.

## Overall rating

The Delegated Officer has considered DER's *Guidance Statement: Regulatory Principles*, *Guidance Statement: Setting Conditions*, *Guidance Statement: Land Use Planning* and *Guidance Statement: Risk Assessment* in granting this amendment, and does not consider that this amendment will impact the risk profile of the premises, which is currently considered as low.

Using the above information, the Delegated Officer has updated the following conditions:

Condition 1.2.1 (Table 1.2.1) – Waste acceptance

Condition 1.2.3 (Table 1.2.2) – Waste processing

The amended Licence condition 1.2.1 now allows for 15,000 tonnes of category 62 waste to be received onsite.

Amended Licence condition 1.2.3 (Table 1.2.2) only permits screening of culvert debris collected from roadside and adopts proponent controls which the Delegated Officer considers will keep risks the human health and the environment at assessed levels.

The Delegated Officer considers the additional conditions as appropriate and in line with other premises as assessed across the State, and in accordance with DER's regulatory approach.

## Amendment History

Instrument	Issued	Amendment
L8394/2009/3	19/4/2016	Licence amendment for the extension of the Licence duration to 27 June 2035
L8394/2009/3	24/3/2017	Amendment Notice 1 Licence amendment to increase design capacity from 5,000 to 15,000 tonnes per year and allow for screening of silty organic debris collected from roadside culverts

## Consultation

The Licence Holder was provided with a draft Amendment Notice on 9 February 2017 for comment. The Licence Holder responded on 23 March 2017 with no comment provided.

## Amendment

- The first page of the Licence is amended by the deletion of the text shown in strikethrough below and the insertion of the red text shown in underline below:

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	<del>5,000</del> <u>15,000</u> tonnes per annual period
63	Class I inert landfill site: premises on which waste (as determined by reference to the waste types set out in the document entitled "Landfill Waste Classification and Waste Definitions 1996" published by the CEO and as amended from time to time) is accepted for burial.	500 tonnes or more per year	5,000 tonnes per annual period

- Table 1.2.1 of the Licence has been amended by the insertion of the red text shown in underline below:

<b>Table 1.2.1: Waste acceptance</b>			
Waste type	Quantity limit		Specification <sup>1</sup>
	Category 62 activities	Category 63 activities	
Clean fill	N/A	N/A	None specified
Contaminated solid waste	Combined limit of 5000 tonnes/annual period	Combined limit of 5000 tonnes/annual period	Must meet the acceptance criteria for Class I landfills
Inert waste type 1			None Specified
Inert waste type 2			Tyres and plastics only-
Hazardous waste		N/A	Limited to waste oil, paint and batteries
Putrescible waste			None specified
<u>Putrescible waste (culvert debris)</u>	<u>10,000 tonnes per annual period</u>	<u>N/A</u>	<u>Culvert debris – i.e. debris sourced from culvert cleaning operations and consisting of soil and plant material only.</u>

- Table 1.2.2 of the licence has been amended by the insertion of the red text shown in underline below:

<b>Table 1.2.2: Waste processing</b>		
Waste type	Processes	Process limits <sup>1,2</sup>
Clean Fill	Receipt, handling, storage and disposal of waste by landfilling	No waste shall be temporarily stored or landfilled within 25 metres from the boundary of the premises.
Contaminated Solid Waste		

<i>Inert Waste Type 1</i>		<i>The separation distance between the base of the landfill and the highest groundwater level shall not be less than 3 meters.</i>
<i>Inert Waste Type 2 (Plastics)</i>		<i>Crushing and screening of Inert Waste Type 1 is not permitted.</i>
<i>Hazardous waste</i>	<i>Receipt, handling and storage prior to offsite disposal</i>	<i>Waste oil, paint and batteries must be stored in a fully enclosed bunded area/container.</i> <i>The licensee must immediately recover, or remove and dispose of spills of hazardous waste outside of a fully enclosed bunded area/container.</i>
<i>Putrescible waste</i>	<i>Receipt, handling, <b>screening</b> mulching and storage prior to off-site disposal</i>	<i>A minimum ten metre firebreak shall be maintained around the greenwaste storage area</i> <i>No more than 2,000m<sup>3</sup> of green waste shall be stored at any one time</i> <i>Shredded green waste is to be removed from the premises within 2 weeks.</i> <i>Leachate generated in the greenwaste storage area is contained within a bunding system and diverted to the leachate pond highlighted in Schedule 1.</i> <i>All putrescible waste (except green waste) received at the premises shall be placed in a dedicated bin which is removed on a daily basis.</i> <i>Screening of culvert debris only is permitted onsite.</i> <i>Culvert debris and culvert debris screenings shall only be stored on a hardstand area draining to the leachate collection pond.</i> <i>Culvert debris shall only be screened in a moist condition such that visible dust is minimised during the screening process.</i> <i>Screening shall only be undertaken between the hours of 9am and 5pm, Monday to Friday.</i>
<i>Inert Waste Type 2 (Tyres)</i>	<i>Receipt, handling and storage prior to off-site disposal</i>	<i>No more than 99 tyres shall be stored at any one time.</i>