



Licence Number	L7060/1997/13
Licence Holder	Peel Resource Recovery Pty Ltd
ACN	149 428 697
Registered business address	7 Parkfield St BUNBURY WA 6230
Date of amendment	28 February 2017
Prescribed Premises	Category 13: Crushing of building material; Category 62: Solid waste depot; Category 63: Class I inert landfill site
Premises	Cross Resource Management 70 Stanley Road, WELLESLEY WA 6233 Being Lot 43 on Plan 17161

Amendment

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

Signed on 28 February 2017

Steve Checker

MANAGER LICENSING (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.

Amendment Description

An amendment application was received by DER on 12 December 2016 from the Licence Holder requesting the removal of the requirement to store green waste on a hardstand with a maximum permeability of 1×10^{-9} m/s from the licence L7060/1997/13 (Licence).

Green waste is accepted on the site for storage and mulching. Once mulched, greenwaste is applied to the Premises for rehabilitation purposes and/or erosion control.

Condition 1.2.3 (Table 1.2.2) of the Licence states: “*All putrescible waste must be stored on a bunded hardstand area which is designed to prevent the discharge of any leachate to the environment*”, with ‘hardstand’ being defined as: “*a surface with a permeability of 10^{-9} metres/second or less*”. For the purposes of the condition, ‘Putrescible waste’ is as defined in the *Landfill Waste Classification and Waste Definitions* (as amended) but is limited to green waste and recycled glass for the this Licence.

Grounds for the amendment request as stated by the Licence Holder are:

- The requirement for a hardstand under the green waste is harsh;
- Green waste on the Premises is limited to trees/trunks/branches which are stockpiled, without composting;
- Green waste is mulched when there is $750 - 1000\text{m}^3$ available¹, after which it is spread on the Premises and this does not result in leachate.

The Licence Holder has offered a secondary possibility of storing green waste on a crushed concrete hardstand, if it is determined by the Delegated Officer that the removal of the requirement for green waste to be stored on a hardstand altogether is not acceptable.

A risk assessment has been completed for the relevant activities on the Premises, assuming green waste is not stored on a hardstand. This is detailed in Table 1 below.

¹ The amendment application dated 12/12/2016 originally specified $75 - 100\text{m}^3$ would be stockpiled on the Premises prior to mulching; however it was later clarified in email correspondence from the Licence Holder dated 20/02/2017 that this was an error, with the true figure being $750 - 1000\text{m}^3$.

Risk Assessment

Table 1 – Risk assessment for the proposed amendments

Activity	Potential emission	Potential receptors	Potential pathway	Potential impacts	Material risk	Reasoning
<p>Category 62:</p> <p>Storage of green waste on an unlined area</p>	<p>Contaminated stormwater:</p> <p>Associated with storage of greenwaste on bare soil</p>	<p>Groundwater quality</p> <p>The soil on the premises is sandy and there is a shallow aquifer (2 – 4 mBGL) under the Premises.</p> <p>Surface water quality</p> <p>The Brunswick River is located approximately 250 metres south of the operational area of the Premises. The southern (vegetated) portion of the Premises immediately borders the river.</p>	<p>Infiltration through soil into shallow groundwater</p> <p>(Surface runoff reaching surface water is not a feasible pathway due to sandy soils)</p>	Environment	Yes	<p>Due to shallow superficial groundwater and sandy soils, the Delegated Officer considers that the storage of up to 1000m³ of green waste on unlined ground may have a minor consequence to the environment, through low level on-site impacts to groundwater. From a public health perspective, it is not known whether there is beneficial use of groundwater in the area; however the Premises is not located in an Environmental Protection Policy area or Public Drinking Water Source Area.</p> <p>The likelihood of this consequence is considered to be unlikely, given the immediate usage of green waste after mulching and the negligible potential for any leachate to be generated over the summer periods.</p> <p>The Licence Holder has the following controls in place for the storage of greenwaste:</p> <ul style="list-style-type: none"> • No more than 1000m³ of greenwaste is stored at any time. • Immediate application of mulched greenwaste on the Premises. <p>The Delegated Officer has determined that the overall risk to the environment from the storage of green waste on the Premises is Medium.</p> <p>The Licence does not currently have any controls for the storage of green waste; however the monitoring of ambient groundwater quality is required from 11 groundwater bores to facilitate the detection of contamination issues.</p> <p>The Delegated Officer considers that the request for the requirement to store green waste on a hardstand be removed from the Licence is acceptable, subject to formalisation of the practice of storing less than 1000m³ of green waste at a time.</p>

Decision

Following the risk assessment in Table 1, the Delegated Officer considers that the Licence Holder's request for the removal of the condition for the storage of green waste on a hardstand can be granted without unreasonable risk posed to the environment.

The removal of these conditions is subject to the addition of a control to limit the volume of green waste stored at any one time, as set out in the Amendment section below.

Amendment History

Instrument	Issued	Amendment
L7060/1997/13	21/08/2014	Licence reissue. Category 61A removed. Issued for 5 years.
L7060/1997/13	18/02/2016	Licence amendment. Acceptance of plastics for landfilling, and increase to approved capacity for solid waste depot (50,000 – 300,000 tpa) and crushing of building material (15,000 – 65,000 tpa).
L7060/1997/13	29/04/2016	Amendment Notice Extension of expiry date to 11 September 2025
L7060/1997/13	28/02/2017	Amendment Notice 1 Review of greenwaste storage conditions

Amendment

1. Condition 1.2.3 of the licence is amended by the by the deletion of the text shown in strikethrough below and the insertion of the red text shown in underline below:

1.2.3 The Licensee shall ensure that wastes accepted onto the Premises are only subjected to the process(es) 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(es)	Process limits^{1,2}
Clean Fill	Receipt, handling, processing and/or disposal of waste by landfilling	(i) Disposal of waste by landfilling shall only take place within the active inert landfill area;
Inert Waste Type 1		(ii) Disposal of waste by landfilling shall ensure that a minimum two metres separation is maintained between the base of the material being landfilled and the highest seasonal groundwater level;
		(iii) All putrescible wastes (paper, plastics ³ , glass, metal and timber, etc.) received with Inert Waste Type 1 must be recovered and segregated for recycling, or stored in a quarantined storage area or container and removed to an appropriately authorised facility as soon as practicable.
		(iv) Burial of no more than 50,000 tonnes of Inert Waste Type 1 shall be undertaken in any annual period;
		(v) Crushing of no more than 60,000 tonnes of Inert Waste Type 1 shall be undertaken in any annual period.
Inert Waste Type 2		(i) No more than 100 tyres can be stored on the premises at any time;
		(ii) Disposal of tyres and rubber by landfilling shall only occur in the designated tyre monofil area;
		(iii) Disposal of non-biodegradable plastics by landfilling shall occur in the active inert landfill area.
		(iv) Disposal of waste by landfilling shall ensure that a minimum two metres separation is maintained between the base of the material being landfilled and the highest seasonal groundwater level.
Special Waste Type 1		(i) Disposal by landfilling shall only occur in the designated asbestos disposal area.
		(ii) No works shall be carried out on the landfill that could lead to a release of asbestos fibres.
Putrescible waste	Receipt, handling, storage and processing	(i) All Putrescible waste <u>(with the exception of green waste)</u> must be stored on a bunded hardstand area <u>which is surrounded by bunds or otherwise</u> designed to prevent the discharge of any leachate to the environment.
		(ii) Mulching of green waste is permitted.
		(iii) <u>No more than 1000m³ of green waste (unprocessed or mulched) is stored or stockpiled on the Premises at any time.</u>
		(iv) Crushing and/or screening of no more than 5,000 tonnes of recycled glass shall be undertaken in any annual period.
		(v) Disposal of green waste and recycled glass by burning or landfilling is prohibited.

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

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

Note 3: With the exception to non-biodegradable plastics (Inert Waste Type 2) which are permitted to be landfilled.