



Amendment Notice 1

Licence Number L8985/2016/1

Licence Holder McMahon Services Australia Pty Ltd

ACN 097 072 565

File Number: DER2016/001295

Premises Gap Ridge Metal Recycling and Asbestos Storage Facility
Lot 104 Exploration Drive
GAP RIDGE WA 6714
Being Lot 104 on Plan 71037

Date of Amendment 28 July 2017

Amendment

The Chief Executive Officer (CEO) of the Department of Water and Environmental Regulation (DWER) has amended the above Licence in accordance with section 59 of the *Environmental Protection Act 1986* as set out in this Amendment Notice. This Amendment Notice constitutes written notice of the amendment in accordance with section 59B(9) of the EP Act.

Date signed: 28 July 2017

Steve Checker

MANAGER LICENSING (WASTE INDUSTRIES)

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

Definitions and interpretation

Definitions

In this Amendment Notice, the terms in Table 1 have the meanings defined.

Table 1: Definitions

Term	Definition
AACR	Annual Audit Compliance Report
ACN	Australian Company Number
AER	Annual Environment Report
Category/ Categories/ Cat.	categories of Prescribed Premises as set out in Schedule 1 of the EP Regulations
CEO	means Chief Executive Officer. CEO for the purposes of notification means: Director General Department Administering the <i>Environmental Protection Act 1986</i> Locked Bag 33 Cloisters Square PERTH WA 6850 info-der@dwer.wa.gov.au
Decision Report	refers to this document
Delegated Officer	an officer under section 20 of the EP Act
Department	means the department established under section 35 of the <i>Public Sector Management Act 1994</i> and designated as responsible for the administration of Part V, Division 3 of the EP Act.
DWER	Department of Water and Environmental Regulation
EPA	Environmental Protection Authority
EP Act	<i>Environmental Protection Act 1986 (WA)</i>
EP Regulations	<i>Environmental Protection Regulations 1987 (WA)</i>
Existing Licence	The Licence issued under Part V, Division 3 of the EP Act and in force prior to the commencement of and during this Review

Licence Holder	McMahon Services Australia Pty Ltd
Minister	the Minister responsible for the EP Act and associated regulations
Occupier	has the same meaning given to that term under the EP Act.
Prescribed Premises	has the same meaning given to that term under the EP Act.
Premises	refers to the premises to which this Decision Report applies, as specified at the front of this Decision Report.
Risk Event	as described in <i>Guidance Statement: Risk Assessment</i>
UDR	<i>Environmental Protection (Unauthorised Discharges) Regulations 2004 (WA)</i>

Amendment Notice

This amendment is made pursuant to 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 57. No changes to the aspects of the original Licence relating to Category 61A have been requested by the Licence Holder.

The following guidance statements have informed the decision made on this amendment:

- *Guidance Statement: Regulatory Principles (July 2015)*
- *Guidance Statement: Setting Conditions (October 2015)*
- *Guidance Statement: Decision Making (November 2016)*
- *Guidance Statement: Risk Assessment (November 2016)*
- *Guidance Statement: Environmental Siting (November 2016)*

Amendment description

McMahon Services Australia Pty Ltd (McMahon's) has submitted an amendment application to store used tyres at their facility located at Lot 104 Exploration Drive, Gap Ridge (the Facility).

Used tyres will be collected from local businesses within Karratha in a Semi-Tipper/Bin Truck and transported to the Facility. Used tyres will then be placed into a 12m metal container (open top) and transported to Perth for recycling once the container is full. Table 2 below outlines the proposed changes to the Licence.

Table 2: Proposed throughput capacity changes

Category	Current [design] [throughput] capacity	Proposed [design] [throughput] capacity	Description of proposed amendment
57	700 used tyres	700 used tyres	Additional of Category 57 to the Licence

Amendment history

Table 3 provides the amendment history for L8985/2016/1.

Table 3: Licence amendments

Instrument	Issued	Amendment
L8985/2016/1	28/07/2017	Amendment Notice 1 – Additional of Category 57

Location and receptors

Table 4 below lists the relevant sensitive land uses in the vicinity of the Prescribed Premises which may be receptors relevant to the proposed amendment.

Table 4: Receptors and distance from activity boundary

Residential and sensitive premises	Distance from Prescribed Premises
Accommodation Camp	1km southeast

Risk assessment

Table 5 below describe the Risk Events associated with the amendment consistent with the *Guidance Statement: Risk Assessments*. Both tables identify whether the emissions present a material risk to public health or the environment, requiring regulatory controls.

Table 5: Risk assessment for proposed amendments during operation

Source/Activities		Risk Event				Consequence rating	Likelihood rating	Risk	Reasoning
		Potential emissions	Potential receptors	Potential pathway	Potential adverse impacts				
Cat 57 <i>Used tyre storage</i>	Fire resulting in the combustion of tyres	Air emissions	Accommodation Camp 1km southeast. Neighboring industrial premises	Air / wind dispersion	Health and amenity impacts	<i>Moderate</i>	<i>Rare</i>	<i>Medium</i>	The Delegated Officer considers the potential impact of a tyre fire at the likelihood to be rare as tyres will only be stored in a metal container with an open top. No more than 700 tyres will be stored at the premises at one time. The Delegated Officer considers that the Licence Holder controls at the Premises to be sufficient to prevent a tyre fire.
		Contaminated firefighting water infiltrating to groundwater	Soil and groundwater	Discharge to land and stormwater system; infiltration to groundwater	Adverse impacts to the health and survival of vegetation dependent upon groundwater	<i>Minor</i>	<i>Rare</i>	<i>Low</i>	The Delegated Officer considers the risk of contaminated firefighting water infiltrating to groundwater at the premises to be low as tyres will be stored in a metal container with an open top which will assist in containing discharge. Depth to groundwater at the premises is between 7.5 – 13 metres below ground level. The Delegated Officer considers that the Licence Holder controls at the Premises to be sufficient to prevent contaminated water infiltrating to groundwater.

Decision

The Delegated Officer considers that the storage of used tyres at the Premises is acceptable subject to conditions as:

- as there will be less than 700 used tyres stored at the Premises at any one time, which is considered low risk, being significantly less than the 50 tonne designated 'small tyre facility' outlined in *DFES Draft Guidelines for Bulk Storage of Rubber Tyres*
- used tyres will only be stored in a metal sea container, with tyres being deposited from the top of the container, which is considered to provide suitable primary containment of waste water in the event of a tyre fire
- The applicant has advised that the premises is equipped with hydrants for firefighting purposes, including one adjacent to the tyre storage area.

Licence Holder's comments

The Licence Holder was provided with the draft Amendment Notice on 24 July 2017. No comments were received from the Licence.

Amendment

1. Condition 1.2.1 of the Licence is amended by the insertion of red text shown in the underline below

- 1.2.4 The Licensee shall only accept waste on to the Premises if:
- it is of a type listed in Table 1.3.1; and
 - the quantity accepted is below any quantity limit listed in Table 1.3.1; and
 - it meets any specification listed in Table 1.3.1.

Table 1.2.1: Waste acceptance		
Waste type	Quantity limit	Specification ¹
Scrap metal (ferrous & non-ferrous)	75 000 tonnes per annual period	Waste acceptance is limited to the following: <ul style="list-style-type: none"> • Uncompacted car bodies; • Crushed or compacted car bodies; • Light gauge (mixed) scrap; • Heavy gauge steel; • Non-ferrous metals; and • Batteries.
Special Waste Type 1	25 000 tonnes per annual period	Waste acceptance is limited to Construction and Demolition Waste
<u>Inert Waste Type 2</u>	<u>700 tyres stored onsite at any time</u>	<u>Limited to used tyres</u>

2. Condition 1.2.4 of the Licence is amended by the insertion of the red text shown in underline below

- 1.2.4 The Licensee shall ensure that wastes accepted onto the Premises are only subjected to the process(es) set out in Table 1.3.2 and in accordance with any process limits described in that Table.

Table 1.2.2: Waste processing		
Waste type	Process	Process limits

Table 1.2.2: Waste processing

Waste type	Process	Process limits
Scrap metal (ferrous & non-ferrous)	Receipt, handling, sorting, baling, shearing, shredding, flame cutting, compacting and storage prior to sale or removal offsite.	<p>Acceptance requirements:</p> <ul style="list-style-type: none"> • Inspection of all materials received at the Premises for the removal of non-conforming waste and hazardous waste, including, but not limited to, Liquefied Petroleum Gas, oxygen, acetylene (or any other compressed gas cylinders), chemical, hazardous, flammable or explosive substances. If any of these wastes are found, they are required to be removed before further processing; • All items that may have contained gasses must be de-gassed prior to acceptance onto the Premises. <p>Storage requirements:</p> <ul style="list-style-type: none"> • All waste, excluding ferrous metal, to be stored on a hardstand area; • Batteries to be stored within an undercover bunded hardstand area; and • Stored at least 10 m from the premises boundary unless contained within skip bins. <p>Processing requirements:</p> <ul style="list-style-type: none"> • Sorting of non-ferrous metals to be undertaken on a hardstand area; • Waste hydrocarbons, petrol and other chemicals to be contained in an impermeable container for off-site disposal; • Operational areas to be maintained free of accumulated stormwater; • Any residues from drums or waste received are to be collected and contained in an impervious sealed tank/container, in a manner that prevents mixing of incompatible wastes, prior to disposal off site to a licenced landfill or appropriate facility.
Special Waste Type 1	N/A	<p>Acceptance requirements</p> <ul style="list-style-type: none"> • Separated from other material brought onto the premises; • Wrapped or otherwise contained in a manner that prevents asbestos fibres entering the atmosphere whilst on the premises; • Clearly labelled or marked with the words "CAUTION ASBESTOS".
<u>Inert Waste Type 2</u>	<u>Storage prior to removal for offsite reuse or disposal</u>	<ul style="list-style-type: none"> • <u>A maximum of 700 used light vehicle tyres (or equivalent) are to be stored at any time</u> • <u>Used tyres shall only be stored in an open top, leak proof, metal container (tyre storage container)</u> • <u>The tyre storage container shall contain inert waste type 2 only</u> • <u>No tyres are to be stored within 6 m of any fence, premises boundary or combustible material.</u>

3. Condition 2.1.1 of the Licence is amended by the insertion of the red text shown in underline below

2.1.1 The Licensee shall undertake the monitoring in Table 2.1.1 according to the specifications in that table.

Table 2.1.1: Monitoring of inputs and outputs

Input/Output	Parameter	Units	Averaging period	Frequency
Waste Inputs	Scrap metal (ferrous and on-ferrous); Inert Waste Type 2	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

Appendix 1: Key documents

	Document title	In text ref	Availability
1	Licence L8985/2016/1– Gap Ridge Metal Recycling and Asbestos Storage Facility	L8985/2016/1	accessed at www.dwer.wa.gov.au
2	DER, July 2015. <i>Guidance Statement: Regulatory principles.</i> Department of Environment Regulation, Perth.	DER 2015a	accessed at www.dwer.wa.gov.au
3	DER, October 2015. <i>Guidance Statement: Setting conditions.</i> Department of Environment Regulation, Perth.	DER 2015b	
4	DER, November 2016. <i>Guidance Statement: Risk Assessments.</i> Department of Environment Regulation, Perth.	DER 2016c	
5	DER, November 2016. <i>Guidance Statement: Decision Making.</i> Department of Environment Regulation, Perth.	DER 2016d	

Appendix 2: Summary of Licence Holder comments

The Licence Holder was provided with the draft Amendment Notice on 24 July 2017 for review and comment. The Licence Holder responded on 24 July 2017 waiving the remaining comment period. No comments were submitted on the draft Amendment Notice.

Condition	Summary of Licence Holder comment	DWER response
N/A	N/A	N/A