



# Amendment Notice 1

**Licence Number** L6808/1997/8

**Licence Holder** Shire of Ashburton

**File Number:** DER2014/00524

**Premises** Onslow Waste Refuse Site  
Crown Reserve 38336  
  
Being Lot 302 on Plan 45791, Lot 500 on Plan 401881  
and Lot 720 on Plan 400253 within coordinates  
E304511, N7604644; E304438, N7604682; E304242,  
N7604313

**Date of Amendment** 16 February 2018

## 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: 16 February 2018

**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
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 <a href="mailto:info@dwer.wa.gov.au">info@dwer.wa.gov.au</a>
CS Act	<i>Contaminated Sites Act 2003 (WA)</i>
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
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	Shire of Ashburton
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.

## 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.

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: Land Use Planning* (February 2017)
- *Guidance Statement: Licence Duration* (August 2016)
- *Guidance Statement: Decision Making* (November 2016)
- *Guidance Statement: Risk Assessment* (November 2016)
- *Guidance Statement: Environmental Siting* (November 2016)

## Amendment description

The Onslow Waste Disposal Site (the Landfill) is located on Lot 302 Macedon Road, Onslow, Western Australia 6710, approximately 2km south of the Onslow town site. The Site is rectangular in shape and covers an area of approximately 55,000m<sup>2</sup> to the west of Macedon Road. The Landfill has been operational since the 1970's.

As part of the expansion of the town of Onslow, the new Onslow Ring Road is to be developed which will pass through the north eastern portion of the landfill and as such, the Shire of Ashburton (the Shire) determined that the landfill will be closed and rehabilitated.

Licence L6808/1997/8 was amended on 23 July 2015 by the then Department of Environment Regulation (DER) in order to add conditions to the Licence which relate to the rehabilitation and post closure works at the landfill. The Landfill ceased accepting waste on 16 August 2015. The Onslow Road excavation and waste re-profiling commenced in September 2015 as did capping and rehabilitation works. Installation of the landfill gas management system (aspirating cowls) GCL, GeoNet and Jute matting commenced in October through to November. Groundwater monitoring wells were installed in January 2016.

The Shire wishes to amend the Licence to remove conditions that relate to premises operation and the monitoring of inputs and outputs as these conditions are considered redundant as the Landfill is now capped and rehabilitated. The Delegated Officer has retained condition 1.3.6 relating to the maintenance of security fencing at the site.

The Licence Holder has elected to continue the licence in the short-term. It is anticipated that in the medium term, the landfill licence will be revoked and ongoing post-closure monitoring and management of the landfill will be regulated under a closure notice.

## Amendment history

Table 2 provides the amendment history for L6808/1997/8.

**Table 2: Licence amendments**

Instrument	Issued	Amendment
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L6808/1997/8	16/02/2018	Amendment Notice 1
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## Decision

The Delegated Officer has removed conditions relating to landfilling operations and requirements as requested by the Shire to better reflect current activities at the Landfill.

General conditions of the Licence which relate to stormwater management and the clean-up of hazardous materials discharged at the premises will remain.

Licence Holder controls for the Rehabilitation and Post Closure Management of the Landfill will remain on the licence to ensure that ongoing monitoring of groundwater and landfill gas.

In accordance with condition 1.4.2 of Licence L6808/1997/8 the Shire submitted a Construction Quality Assurance Validation (CQA) Report. The Report detailed how the GCL was installed and the overall environmental performance assessed against the design specification set out in the Rehabilitation and Post Closure Management Plan and the Construction Quality Assurance Plan (QCAP). The Shire was also required to submit a Landfill Gas Services Infrastructure Management Plan. The plan included an assessment of the impact on landfill gas migration of any existing or proposed services infrastructure and contingency plans to address 'worst-case' scenarios.

As part of ongoing landfill gas and groundwater monitoring, the Shire submitted a Landfill Gas and Groundwater Investigation Report in June 2016. The Shire are required to complete six monthly groundwater monitoring and annual landfill gas monitoring.

## Licence Holder's comments

The Licence Holder was provided with the draft Amendment Notice on 22 September 2017. Comments received from the Licence Holder have been considered by the Delegated Officer as shown in Appendix 2.

## Amendment

1. Premises description and Licence summary of the Licence is amended by the deletion of the text shown below:

*The Landfill is opened to the public Monday to Saturday from 8:00am to 3:00pm and is closed on Sunday. The nearest sensitive receptor to the Landfill is the Onslow Township located 800 metres (m) away. All loads are inspected upon entry to the Landfill. The Landfill is also fenced around the boundary with signage of the fence detailing waste that can be accepted at the site. At least one Shire staff member is present at the Landfill during operating hours.*

*The site accepts Inert Wastes Type 1 and Type 2, Putrescible Waste, Green Waste and Special Wastes Type 1 and Type 2. Special Waste Type 1 requires disposal by appointment made to the Landfill. Waste oil is accepted at the premises and stored in a below ground 2,500 litre (L) oil tank. Waste oil is then removed from the site by a licenced contractor.*

*Tyres are accepted at the Landfill. The tyres are to be delivered to the Landfill from tyre fitting companies and the general public. All tyres are stored above ground in an open area away from other waste in accordance with Part 6 of the Environmental Protection Regulations 1987.*

2. The Licence is amended by the deletion of the following Conditions; 1.3.1 – 1.3.17 and 3.2.1:

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

- (a) *it is of a type listed in Table 1.3.1;*
- (b) *the quantity accepted is below any quantity limit listed in Table 1.3.1 and;*
- (c) *it meets any specification listed in Table 1.3.1; and*

- (d) in the case of contaminated solid waste is supported by documentation that demonstrates compliance with the acceptance criteria for Class II Landfills.

<b>Table 1.3.1: Waste acceptance</b>			
<b>Waste</b>	<b>Waste Code</b>	<b>Quantity Limit tonnes/ year</b>	<b>Specification <sup>1</sup></b>
Clean fill	N/A	Combined total of up to 5,000	None specified
Hazardous waste	F100, F120, J100, J130, J170, J180		Limited to waste oil, paint, and vehicle batteries
Inert waste Type 1	N/A		None specified
Inert Waste Type 2	N/A		Tyres and plastic only
Putrescible waste	N/A		None specified
Special Waste Type 1	N/A		Cement bonded asbestos only. No fibrous asbestos shall be accepted
Special Waste Type 2	R100, R120, R130, R140		Biomedical / clinical

Note 1: Additional requirements for the acceptance of controlled waste (including asbestos and tyres) are set out in the Environmental Protection (Controlled Waste) Regulations 2004.

- 1.3.2 The Licensee shall ensure that where waste does not meet the waste acceptance criteria set out in condition 1.3.1 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.
- 1.3.3 The Licensee shall ensure that wastes accepted onto the Premises are only subjected to the processes set out in Table 1.3.2 and in accordance with any process limits described in that Table.

<b>Table 1.3.2: Waste processing</b>		
<b>Waste type(s)</b>	<b>Process</b>	<b>Process limits <sup>1,2</sup></b>
All	Disposal of waste by landfilling	<ul style="list-style-type: none"> <li>Shall only take place within designated landfill trenches or cells.</li> <li>No waste shall be temporarily stored or landfilled within 35m from the boundary of the premises.</li> <li>The separation distance between the base of the landfill and the highest groundwater level shall not be less than 3m.</li> </ul>
All	Excavation and placement of existing landfilled waste associated with road realignment	<ul style="list-style-type: none"> <li>All works must be undertaken in accordance with the Excavation Works Management Plan.</li> </ul>
Inert Waste Type 2 - Tyres	Receipt, handling, storage prior to re-use or disposal by landfilling	<ul style="list-style-type: none"> <li>Refer to conditions 1.3.14 – 1.3.17.</li> </ul>
Putrescible Waste	Receipt, handling, storage prior to disposal by landfilling	None specified
	Disposal by Burning	<u>Burning of Green Waste Only</u> <ul style="list-style-type: none"> <li>to be dried and seasoned for at least 2 months before burning;</li> <li>to take place in a designated burning area at least 25m from the boundary of any active disposal areas;</li> </ul>

		<ul style="list-style-type: none"> <li>to take place in trenches or windrows; and</li> <li>to take place only when an adequate supply of water is available to effectively manage the burning process.</li> </ul>
Clean Fill	Receipt, handling and disposal by landfilling	None specified
Inert Waste Type 1		
Special Waste Type 1 (Asbestos Waste)		<ul style="list-style-type: none"> <li>Only to be disposed of into a designated asbestos disposal area within the landfill;</li> <li>Not to be deposited within 2m of the final tipping surface of the landfill; and</li> <li>No works shall be carried out on the landfill that could lead to a release of asbestos fibres.</li> </ul>
Special Waste Type 2 (Biomedical and Clinical Waste)		<ul style="list-style-type: none"> <li>Only to be disposed of into a designated biomedical waste disposal area within the landfill;</li> <li>Not to be deposited within 2m of the final tipping surface of the landfill; and</li> <li>No works shall be carried out on the landfill that could lead to biomedical wastes being excavated or uncovered, other than works undertaken in accordance with the Excavation Works Management Plan.</li> </ul>
Waste oil	Receipt, handling and storage prior to reuse or disposal by landfilling	<ul style="list-style-type: none"> <li>Only to be stored in the designated oil storage tank within a low permeability bunded area delineated for recycling.</li> </ul>
Vehicle batteries	Receipt, handling and storage	<ul style="list-style-type: none"> <li>Stored on hardstand area delineated for recycling.</li> </ul>

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.

1.3.4 The Licensee shall manage the landfilling activities to ensure:

- the size of the tipping face is kept to a minimum and not larger than 30m x 30m;
- waste is levelled and compacted to ensure all faces are stable and capable of retaining rehabilitation material;
- waste is covered as soon as possible after it is discharged and not later than by the end of the working day;
- rehabilitation of a cell or phase takes place within 6 months after disposal in that cell or phase has been completed.

1.3.5 The Licensee shall ensure that cover is applied to waste in accordance with Table 1.3.3 and that sufficient stockpiles of cover are maintained on site at all times.

**Table 1.3.3: Cover requirements**

Waste Type	Material	Depth	Timescales
Special Waste Type 1	Inert waste type 1 or clean fill	300mm	As soon as practicable after deposit and prior to compaction.
	Solid waste or soil	1000mm	By the end of the working day in which the asbestos waste was deposited.
Special Waste Type 2	Solid waste or soil	300mm	As soon as practicable after deposit.
		1000mm	By the end of the working day in which the biomedical / clinical waste was deposited.
Putrescible Wastes	Inert waste type 1, soil or clay	150mm	As soon as practicable and not later than the end of the working day.
	Inert waste type 1, soil, or clay	1000mm	Within 3 months of achieving final waste contours.

Inert Waste Type 2 <sup>1</sup>	Inert waste type 1, soil, clay or clean fill	100mm	By the end of the working day in which the waste was deposited.  Plastic waste with the potential to become windblown shall be covered as soon as practicable after deposit.
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Note 1: Additional requirements for the covering of tyres are set out in Part 6 of the Environmental Protection Regulations 1987.

- 1.3.7 The Licensee shall install and maintain a sign at the entrance to the Premises which clearly displays the following information:
- (a) hours of operation;
  - (b) contact telephone number;
  - (c) a warning indicating penalties for people lighting fires; and
  - (d) list of materials accepted for recycling and the location of where they can be deposited on the premises.
- 1.3.8 The Licensee shall take all reasonable and practical measures to ensure that no windblown waste escapes from the Premises and that windblown waste is collected on at least a weekly basis and returned to the tipping area.
- 1.3.9 The Licensee shall ensure that vermin, birds, flies and other insects do not give rise to nuisance at the premises or in the immediate area of the premises. Any method used by the licensee shall not cause environmental pollution.
- 1.3.10 The Licensee shall ensure fire fighting equipment stored onsite is capable of controlling and extinguishing a tyre fire.
- 1.3.11 The Licensee shall ensure that water and other liquid waste that may result from fire fighting on the premises is captured and contained within the Premises.
- 1.3.12 The Licensee shall ensure that any fire water is removed from the Premises by a carrier licensed under the Environmental Protection (Controlled Waste) Regulations 2004.
- 1.3.13 The Licensee shall ensure that an unauthorised fire on the Premises is extinguished as soon as possible.
- 1.3.14 The Licensee shall ensure that all tyres are stacked on their side walls or if stored on their treads, are baled with a non-combustible securing device.
- 1.3.15 The Licensee shall ensure that tyres are only stacked on level ground at the Premises.
- 1.3.16 The Licensee shall ensure that tyre storage complies with the following:
- (a) each stockpile is located at a minimum of 10m from any fence, combustible materials or walls;
  - (b) each stockpile is a maximum of 10m<sup>2</sup> in area; and
  - (c) each stockpile is a maximum of 3m in height.
- 1.3.17 The Licensee shall ensure that tyre stacks at the Premises do not obscure fire protection equipment (including fire hydrants and fire hoses) or related signage.
- 3.2.1 The Licensee shall undertake the monitoring in Table 3.2.1 according to the specifications in that table.

**Table 3.2.1: Monitoring of inputs and outputs**

<b>Input/Output</b>	<b>Parameter</b>	<b>Units</b>	<b>Averaging period</b>	<b>Frequency</b>
Waste Inputs	Inert 1, Inert 2, Special	m <sup>3</sup>	N/A	Weekly



	<i>Waste 1, Special Waste 2 Clean Fill, and Putrescible Waste</i>			<i>(estimates recorded during weekly inspections)</i>
<i>Waste Outputs</i>	<i>Waste type as defined in the Definitions</i>			<i>Each load leaving or rejected from the Premises</i>

## Appendix 1: Key documents

	Document title	In text ref	Availability
1	Licence L6808/1997/8 – Onslow Waste Refuse Site	L6808/1997/8	accessed at <a href="http://www.dwer.wa.gov.au">www.dwer.wa.gov.au</a>
2	DER, July 2015. <i>Guidance Statement: Regulatory Principles</i> . Department of Environment Regulation, Perth.	DER 2015a	accessed at <a href="http://www.dwer.wa.gov.au">www.dwer.wa.gov.au</a>
2	DER, October 2015. <i>Guidance Statement: Setting Conditions</i> . Department of Environment Regulation, Perth.	DER 2015b	
4	DER, August 2016. <i>Guidance Statement: Licence Duration</i> . Department of Environment Regulation, Perth.	DER 2016a	
5	DER, November 2016. <i>Guidance Statement: Risk Assessments</i> . Department of Environment Regulation, Perth.	DER 2016b	
6	DER, November 2016. <i>Guidance Statement: Decision Making</i> . Department of Environment Regulation, Perth.	DER 2016c	

## **Appendix 2: Summary of Licence Holder comments**

The Licence Holder was provided with the draft Amendment Notice on 22 September 2017 for review and comment. The Licence Holder responded on 8 February 2018 outlining no issues or concerns with the proposed amendments.