



Decision Document

Environmental Protection Act 1986, Part V

Proponent: Shire of Moora

Licence: L7288/1998/11

Registered office: 34 Padbury St
MOORA WA 6510

Premises address: Moora Township Rubbish Tip
Airstrip Road
MOORA WA 6510
Being Lot 3996 on Plan 181345 and Lot 1 on Diagram 42691 as depicted in
Schedule 1.

Issue date: Thursday, 08 January 2015

Commencement date: Monday, 19 January 2015

Expiry date: Saturday, 18 January 2020

Decision

Based on the assessment detailed in this document the Department of Environment Regulation (DER) has decided to issue a licence. DER considers that in reaching this decision, it has taken into account all relevant considerations and legal requirements and that the Licence and its conditions will ensure that an appropriate level of environmental protection is provided.

Decision Document prepared by: Rachel Vukmirovic
Licensing Officer

Decision Document authorised by: Stephen Checker
Manager Licensing



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1 Purpose of this Document

This decision document explains how DER has assessed and determined the application and provides a record of DER's decision-making process and how relevant factors have been taken into account. Stakeholders should note that this document is limited to DER'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.

Works approval and licence conditions

DER has three types of conditions that may be imposed on works approvals and licences. They are as follows;

Standard conditions (SC)

DER has standard conditions that are imposed on all works approvals and licences regardless of the activities undertaken on the Premises and the information provided in the application. These are included as the following conditions on works approvals and licences:

Works approval conditions: 1.1.1-1.1.4, 1.2.1, 1.2.2, 5.1.1 and 5.1.2.

Licence conditions: 1.1.1-1.1.4, 1.2.1-1.2.4, 5.1.1-5.1.4 and 5.2.1.

For such conditions, justification within the Decision Document is not provided.

Optional standard conditions (OSC)

In the interests of regulatory consistency DER has a set of optional standard conditions that can be imposed on works approvals and licences. DER will include optional standard conditions as necessary, and are likely to constitute the majority of conditions in any licence. The inclusion of any optional standard conditions is justified in Section 4 of this document.

Non standard conditions (NSC)

Where the proposed activities require conditions outside the standard conditions suite DER will impose one or more non-standard conditions. These include both premises and sector specific conditions, and are likely to occur within few licences. Where used, justification for the application of these conditions will be included in Section 4.



2 Administrative summary

Administrative details									
Application type	Works Approval <input type="checkbox"/> New Licence <input checked="" type="checkbox"/> Licence amendment <input type="checkbox"/> Works Approval amendment <input type="checkbox"/>								
Activities that cause the premises to become prescribed premises	<table border="1"> <thead> <tr> <th>Category number(s)</th> <th>Assessed design capacity</th> </tr> </thead> <tbody> <tr> <td>64</td> <td>Not more than 5000 tonnes per annual period</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	Category number(s)	Assessed design capacity	64	Not more than 5000 tonnes per annual period				
	Category number(s)	Assessed design capacity							
	64	Not more than 5000 tonnes per annual period							
Application verified	Date: 15/10/14								
Application fee paid	Date: 11/11/14								
Works Approval has been complied with	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>								
Compliance Certificate received	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>								
Commercial-in-confidence claim	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>								
Commercial-in-confidence claim outcome									
Is the proposal a Major Resource Project?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>								
Was the proposal referred to the Environmental Protection Authority (EPA) under Part IV of the <i>Environmental Protection Act 1986</i> ?	<table border="1"> <tr> <td>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></td> <td>Referral decision No:</td> </tr> <tr> <td> </td> <td>Managed under Part V <input type="checkbox"/></td> </tr> <tr> <td> </td> <td>Assessed under Part IV <input type="checkbox"/></td> </tr> </table>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Referral decision No:		Managed under Part V <input type="checkbox"/>		Assessed under Part IV <input type="checkbox"/>		
Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Referral decision No:								
	Managed under Part V <input type="checkbox"/>								
	Assessed under Part IV <input type="checkbox"/>								
Is the proposal subject to Ministerial Conditions?	<table border="1"> <tr> <td>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></td> <td>Ministerial statement No:</td> </tr> <tr> <td> </td> <td>EPA Report No:</td> </tr> </table>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Ministerial statement No:		EPA Report No:				
Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	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 <i>Environmental Protection Act 1986</i>)?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Department of Water consulted Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>								
Is the Premises within an Environmental Protection Policy (EPP) Area	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If Yes include details of which EPP(s) here.								
Is the Premises subject to any EPP requirements?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If Yes, include details here, e.g. Site is subject to SO ₂ requirements of Kwinana EPP.								



3 Executive summary of proposal and assessment

Moora Townsite Rubbish Tip is located approximately 7 kilometres (km) west of Moora town. The site is managed by the Shire of Moora (Shire). According to the 2011 census, the Shire of Moora has a population of 2476.

The site is manned and accepts commercial, residential and municipal waste from the Shire of Moora. The site also accepts asbestos and a small number of carcasses. The site also has recyclable materials stored on site consisting of metals, white goods, motor vehicles, waste oil, and DrumMuster products.

The surrounding land use is agricultural with salt lakes to the north and north-east of the site. The depth to groundwater is approximately 7 metres below ground level. The nearest surface water body is approximately 2 km from the Premises.

The Licence is the successor to licence L7288/1998/10 and has been converted into a new REFIRE licence. Emissions and discharges from the premises have not been reassessed as part of this reissue, however some conditions have been changed as part of the REFIRE conversion. A condition has been added to require the improved management of commercial and asbestos-containing waste on the premises.



4 Decision table

All applications are assessed in line with the *Environmental Protection Act 1986*, the *Environmental Protection Regulations 1987* and DER'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	OSC or NSC	Justification (including risk description & decision methodology where relevant)	Reference documents
General conditions	L1.2.5	OSC	OSC1.2.5 has replaced conditions W2(a) and W2(c) in the previous licence. The requirement of W2(b) has been omitted in the reissued licence as there are currently no stormwater drains on the premises.	General provisions of the <i>Environmental Protection Act 1986</i> . <i>Environmental Protection (Unauthorised Discharges) Regulations 2004</i> .
Premises operation	L1.3.1-L1.3.12	OSC	OSC1.3.1 and table 1.3.1 have been included to describe the waste acceptance at the premises. These conditions have replaced G1 and G2(a) of the previous licence. Metals, white goods and hazardous waste are additional waste types that have been included in the licence. These wastes are stored on site prior to being removed as part of the recycling facility. There is an impervious, bunded receptacle for the storage of waste oil on site. OSC1.3.2 has been included to ensure that any waste that doesn't meet the requirements of OSC1.3.1 is removed from the premises. OSC1.3.3 and table 1.3.2 have been included to ensure all wastes at the premises are subjected to certain processes and limits. The specifications in table 1.3.2 have replaced conditions A2(c), G2(d), G3(i, ii, iii, vi) and W1(a) in the previous licence. Additional standard requirements for the burial of special waste have been included in table 1.3.2.	General provisions of the <i>Environmental Protection Act 1986</i> . <i>Environmental Protection (Unauthorised Discharges) Regulations 2004</i> .



DECISION TABLE				
Works Approval / Licence section	Condition number W = Works Approval L = Licence	OSC or NSC	Justification (including risk description & decision methodology where relevant)	Reference documents
			<p>The requirement of W1(b) has been omitted as the nearest surface water body is approximately 2km from the landfill.</p> <p>OSC1.3.4 and table 1.3.3 describe the cover requirements for the waste. These conditions have replaced condition G2(b) and G3(iv and v) of the previous licence. Standard cover requirements for different waste types have been specified in table 1.3.3. Clinical waste is not accepted at the premises therefore condition G2(c) is not reflected in this reissued licence. Previous condition G3(vii) relating to final cover for wastes has been removed. This will be replaced with a requirement for a closure plan once the standard condition has been approved.</p> <p>OSC1.3.5-1.3.7 relates to the management of unauthorised fires and has replaced conditions A2(a), A2(b) and A2(d) in the previous licence.</p> <p>OSC1.3.8 has been included to ensure appropriate site security measures are in place at the site and has replaced conditions G5(a) and G5(b) of the previous licence.</p> <p>OSC1.3.9 has been included to ensure no windblown waste escapes from the premises and has replaced conditions G6(a), G6(b) and G6(c) of the previous licence.</p> <p>OSC1.3.10 has been included as installing and maintaining a sign at the entrance is a mandatory requirement for all waste premises. This has replaced condition G7 of the previous licence.</p> <p>Note the requirements of condition G4 in the previous licence regarding the burial of tyres are set out in the <i>Environmental Protection (Controlled Waste) Regulations 2004</i>.</p>	



DECISION TABLE				
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Emissions general	L2.1.1	OSC	Descriptive limits will be set through condition OSC2.6.1-2.6.2 of the licence and therefore OSC2.1.1 regarding recording and investigation of exceedances of limits or targets has been included.	General provisions of the <i>Environmental Protection Act 1986</i> . <i>Environmental Protection (Unauthorised Discharges) Regulations 2004</i> .
Point source emissions to air including monitoring	L2.2 L3.2	N/A	There are no point source emissions to air that require regulation through this section, SC1.2.1 applies.	General provisions of the <i>Environmental Protection Act 1986</i> . <i>Environmental Protection (Unauthorised Discharges) Regulations 2004</i> .
Point source emissions to surface water including monitoring	L2.3 L3.3	N/A	There are no point source emissions to surface water that require regulation through this section, SC1.2.1 applies.	General provisions of the <i>Environmental Protection Act 1986</i> . <i>Environmental Protection (Unauthorised Discharges) Regulations 2004</i> .
Point source emissions to groundwater including monitoring	L2.4 L3.4	N/A	There are no point source emissions to groundwater that require regulation through this section, SC1.2.1 applies.	General provisions of the <i>Environmental Protection Act 1986</i> .



DECISION TABLE				
Works Approval / Licence section	Condition number W = Works Approval L = Licence	OSC or NSC	Justification (including risk description & decision methodology where relevant)	Reference documents
				<i>Environmental Protection (Unauthorised Discharges) Regulations 2004.</i>
Emissions to land including monitoring	L2.5 L3.5	N/A	There are no point source emissions to land that require regulation through this section, SC1.2.1 applies.	General provisions of the <i>Environmental Protection Act 1986</i> . <i>Environmental Protection (Unauthorised Discharges) Regulations 2004.</i>
Fugitive emissions	L2.6.1-2.6.2	OSC	Fugitive emissions have not been reassessed as part of this licence reissue. OSC2.6.1-2.6.2 have replaced condition A1 of the previous licence.	General provisions of the <i>Environmental Protection Act 1986</i> . <i>Environmental Protection (Unauthorised Discharges) Regulations 2004.</i>
Odour	L2.7	N/A	Odour has not been reassessed as part of this licence reissue. SC1.2.1 applies.	General provisions of the <i>Environmental Protection Act 1986</i> . <i>Environmental Protection (Unauthorised Discharges) Regulations 2004.</i>



DECISION TABLE				
Works Approval / Licence section	Condition number W = Works Approval L = Licence	OSC or NSC	Justification (including risk description & decision methodology where relevant)	Reference documents
Noise	L2.8	N/A	Noise has not been reassessed as part of this licence reissue. SC1.2.1 and the <i>Environmental Protection (Noise) Regulations 1997</i> apply.	General provisions of the <i>Environmental Protection Act 1986</i> . <i>Environmental Protection (Noise) Regulations 1997</i> .
Monitoring general	L3.1.1-3.1.4	OSC	OSC3.1.1 regarding general monitoring requirements has replaced conditions W3(b) and W3(c) of the previous licence. OSC3.1.2-3.1.4 has been included as additional explanatory conditions. Note: the requirement in W3(c) for analysis in accordance with APHA-AWWA-WEF is not reflected in this reissue as this is no longer a DER requirement.	General provisions of the <i>Environmental Protection Act 1986</i> .
Monitoring of inputs and outputs	L3.6.1	OSC	OSC3.6.1 and table 3.6.1 details the requirements for monitoring the inputs and outputs of wastes at the premises. This requirement is necessary to determine compliance with the design capacity and waste acceptance criteria.	General provisions of the <i>Environmental Protection Act 1986</i> .
Process monitoring	L3.7	N/A	There are no specified conditions relating to process monitoring that require regulation through this section.	
Ambient quality monitoring	L3.8.1	OSC	OSC3.8.1 and table 3.8.1 regarding ambient groundwater monitoring have replaced condition W3(a) of the previous licence. The monitoring location, parameters and frequency are the same as in the previous licence.	General provisions of the <i>Environmental Protection Act 1986</i> .
Meteorological monitoring	L3.9	N/A	There are no specified conditions relating to meteorological monitoring that require regulation through this section.	
Improvements	L4.1.1-4.1.2	OSC	Improvement conditions have been set through OSC4.1.1-4.1.2 and table 4.1.1. The improvement condition (IR1) requires the improved management of commercial waste at the premises. This condition is necessary to ensure that the management of this waste stream meets the conditions of this licence. The improvement condition (IR2) requires the preparation and submission of an Asbestos Management Plan. This is a standard DER requirement for all landfill sites.	General provisions of the <i>Environmental Protection Act 1986</i> .



DECISION TABLE				
Works Approval / Licence section	Condition number W = Works Approval L = Licence	OSC or NSC	Justification (including risk description & decision methodology where relevant)	Reference documents
Information			<p>SC5.1.3 sets a requirement to provide an Annual Audit Compliance Report and replaces condition G10 of the previous licence.</p> <p>SC5.1.5 has been included to ensure the licensee keeps an accurate and up to date register of special waste being disposed of at the premises. This condition replaces G2(e-f) in the previous licence.</p> <p>SC5.2.1-5.2.2 regarding the submission of an Annual Environment Report has replaced condition G8(a) and G8(b) in the previous licence. OSC5.3.1 and table 5.3.1 specifies standard notification parameters relating to the conditions of the licence.</p>	General provisions of the <i>Environmental Protection Act 1986</i>
Licence Duration	N/A	N/A	The licence is recommended for a five year period in accordance with standard DER procedure. There are no factors that warrant a reduction in the standard five year period.	



5 Advertisement and consultation table

Date	Event	Comments received/Notes	How comments were taken into consideration
01/12/2014	Application advertised in West Australian (or other relevant newspaper)	Nil comments received	-
16/12/2014	Proponent sent a copy of draft instrument	Comments received 19/12/2014	-



6 Risk Assessment

Note: This matrix is taken from the DER Corporate Policy Statement No. 07 - Operational Risk Management

Table 1: Emissions Risk Matrix

Likelihood	Consequence				
	Insignificant	Minor	Moderate	Major	Severe
Almost Certain	Moderate	High	High	Extreme	Extreme
Likely	Moderate	Moderate	High	High	Extreme
Possible	Low	Moderate	Moderate	High	Extreme
Unlikely	Low	Moderate	Moderate	Moderate	High
Rare	Low	Low	Moderate	Moderate	High