



Decision Document

Environmental Protection Act 1986, Part V

Proponent: Shire of Coolgardie

Licence: L7970/1997/6

Registered office: Shire of Coolgardie
Irish Mulga Drive
Kambalda WA 6442

Premises address: Kambalda Landfill Facility
KAMBALDA WA 6442
Being Ngalbain location 42, Crown Reserve 31717 and
Ngalbain location 301, Crown Reserve 31717

Issue date: Thursday, 21 November 2013

Commencement date: Friday, 22 November 2013

Expiry date: Friday, 21 November 2018

Decision

Based on the assessment detailed in this document the Department of Environment Regulation (DER), has decided to issue an amended licence. DER considers that in reaching this decision, it has taken into account all relevant considerations.

Decision Document prepared by: Abnesh Chetty
Licensing Officer

Decision Document authorised by: Steve Checker
Delegated Officer



Contents

Decision Document	1
Contents	2
1 Purpose of this Document	2
2 Administrative summary	3
3 Executive summary of proposal and assessment	4
4 Decision table	5
5 Advertisement and consultation table	7
6 Risk Assessment	8

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.



2 Administrative summary

Administrative details							
Application type	Works Approval <input type="checkbox"/> New Licence <input type="checkbox"/> Licence amendment <input checked="" 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 – Class II putrescible landfill site</td> <td>Not more than 9,000 tonnes per year</td> </tr> </tbody> </table>	Category number(s)	Assessed design capacity	64 – Class II putrescible landfill site	Not more than 9,000 tonnes per year		
	Category number(s)	Assessed design capacity					
64 – Class II putrescible landfill site	Not more than 9,000 tonnes per year						
Application verified	Date: N/A						
Application fee paid	Date: N/A						
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	N/A						
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"> <tbody> <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> </tbody> </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"> <tbody> <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> </tbody> </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, eg Site is subject to SO ₂ requirements of Kwinana EPP.							



3 Executive summary of proposal and assessment

The Kambalda Refuse Facility is a Class II putrescible landfill with an approved premises production or design capacity of 9 000 tonnes per year. The facility accepts mixed municipal green, solid, commercial, industrial and construction waste. The landfill was unmanned until around 1997.

The site is located between East and West Kambalda on the fringe of a salt pan and is approximately 2km to the nearest residential accommodation, known as the Mac Kambalda Village.

The site occupies approximately 32.2 hectares. The landfill is clay lined with a water table depth between 19 and 28 meters. The main emissions generated from the premises are dust and odour. It is anticipated that these emissions can be adequately managed under the provisions of the *Environmental Protection Act 1986* and mitigation measures put in place by the Licensee.

The Licence amendment relates to an application to increase the site's licensed capacity to accommodate a one-off disposal of approximately 24,000 tonnes of asbestos-contaminated soil. The Kambalda Landfill Facility is located on two land parcels with a total combined area of 557,330 m². Landfilling to date covers approximately 375,000 square metres (m²) leaving approximately 182,330 m² of unused land. This equates to approximately 1,114,660 cubic metres (m³) of landfill space available for future use. This calculation is based on 375,000 m² or 750,000 m³ as very little landfill is above natural ground level and there is a further 364,660 m³ of unused land space available. Available space indicates that the landfill has the capacity to accept 50,000 tonnes (33,333 m³) per year over approximately 33 years.

This amendment also involves removal of former condition 1(c)(i) (concerning the wrapping of asbestos wastes) which is now regulated under regulation 44 of the *Environmental Protection (Controlled Waste) Regulations 2004*.

As a result of this amendment this Licence has been converted into the latest DER template format. DER has not re-assessed the acceptability or impacts of emissions and discharges from the Premises or revisited any existing emission control levels with the exception of condition 1.3.5 relating to disposal of asbestos in the Premises operation section. The Licence duration will not be extended as a result of this amendment.



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	Justification (including risk description & decision methodology where relevant)	Reference documents
Premises operation	N/A	The Licence amendment relates to an application to increase the site's licensed capacity to accommodate a one-off disposal of approximately 24,000 tonnes of asbestos-contaminated soil. The Kambalda Landfill Facility is located on two land parcels with a total combined area of 557,330 m ² . Landfilling to date covers approximately 375,000 square metres (m ²) leaving approximately 182,330 m ² of unused land. This equates to approximately 1,114,660 cubic metres (m ³) of landfill space available for future use. This calculation is based on 375,000 m ² or 750,000 m ³ as very little landfill is above natural ground level and there is a further 364,660 m ³ of unused land space available. Available space indicates that the landfill has the capacity to accept 50,000 tonnes (33,333 m ³) per year over approximately 33 years.	
Premises operation	L1.3.5	Licence (L7970/1997/6) condition 1 (c) (i) currently requires that any asbestos material is wrapped in heavy duty plastic before entry to the landfill site. However in order to avoid any duplication relating to the transportation of asbestos containing materials since legislative requirements are now stipulated under Regulation 44 of the <i>Environmental Protection (Controlled Waste) Regulations 2004</i> this condition will be removed from the amended Licence.	Application supporting documentation General provisions of the <i>Environmental Protection Act 1986</i> and



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Works Approval / Licence section	Condition number W = Works Approval L = Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
			<i>Environmental Protection (Controlled Waste) Regulations 2004</i>
Licence Duration	N/A	The Licence duration has not been assessed or extended as a result of this amendment.	



5 Advertisement and consultation table

Date	Event	Comments received/Notes	How comments were taken into consideration
10 September 2015	Proponent sent a copy of draft instrument	No comments received	NA



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