



## Application for Licence Amendment

### Part V Division 3 of the *Environmental Protection Act 1986*

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<b>Licence Number</b>	L8603/2011/3
<b>Licence Holder</b>	Shire of Yilgarn
<b>File Number</b>	APP-0030192
<b>Premises</b>	<p>Southern Cross Landfill Site</p> <p>SOUTHERN CROSS WA 6426</p> <p>Legal description –</p> <p>Lot 300 on Deposited Plan 55299</p> <p>Lot 994 on Deposited Plan 91454</p> <p>Certificate of Title Volume LR3061 Folio 160</p> <p>Crown Reserve 37892</p>
<b>Date of Report</b>	24 November 2025
<b>Decision</b>	Revised licence granted

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## 1. Decision summary

Licence L8603/2011/3 is held by Shire of Yilgarn (Licence Holder) for the Southern Cross Landfill Site (the Premises), located at Crown Reserve 37892, Southern Cross Road, Southern Cross.

This Amendment Report documents the assessment of potential risks to the environment and public health from proposed changes to the emissions and discharges during the operation of the Premises. As a result of this assessment, Revised Licence L8603/2011/3 has been granted.

The Revised Licence issued as a result of this amendment consolidates and supersedes the existing Licence previously granted in relation to the Premises.

## 2. Scope of assessment

### 2.1 Regulatory framework

In completing the assessment documented in this Amendment Report, the department has considered and given due regard to its Regulatory Framework and relevant policy documents which are available at <https://dwer.wa.gov.au/regulatory-documents>.

### 2.2 Amendment summary

On 24 July 2025, the Licence Holder submitted an application to the department to amend Licence L8603/2011/3 under section 59 and 59B of the *Environmental Protection Act 1986* (EP Act). The Licence Holder requested to amend Condition 5 of licence in regards to cover requirements. Condition 5 of the existing licence requires that putrescible waste be covered on a daily basis to a depth of 150 mm. The Licence Holder is seeking to amend this requirement to weekly coverage of putrescible waste to a depth of 150 mm.

This amendment does not include any changes to the aspects of the existing Licence relating to Category 61, as no such changes have been requested by the Licence Holder

## 3. Risk assessment

The department assesses the risks of emissions from prescribed premises and identifies the potential source, pathway and impact to receptors in accordance with the *Guideline: Risk assessments* (DWER 2020).

To establish a Risk Event there must be an emission, a receptor which may be exposed to that emission through an identified actual or likely pathway, and a potential adverse effect to the receptor from exposure to that emission.

### 3.1 Source-pathways and receptors

#### 3.1.1 Emissions and controls

The key emissions and associated actual or likely pathway during premises operation which have been considered in this Amendment Report are detailed in **Error! Reference source not found.** below. **Error! Reference source not found.** also details the proposed control measures the Licence Holder has proposed to assist in controlling these emissions, where necessary.

**Table 1: Licence Holder controls**

Sources	Emission	Potential pathways	Proposed controls
Operation of putrescible landfill cell with a minimum weekly coverage	Dust	Air/windborne pathway	No new controls proposed
	Leachate	Seepage to soils and groundwater	No new controls proposed
	Odour	Air/windborne pathway	Distance to receptors will be maintained
	Vermin and scavenging animals	Direct contact	Regular vehicular movements
	Windblown wastes	Wind dispersion	Deep trenches (2 metres) and high spill on sides of the trench; The entire site is fenced; Rehabilitation has created natural buffers; The landfill attendant periodically emu picks the landfill site and surrounds; and The landfill attendant will cover waste, regardless of licence coverage timeframe, that poses a higher risk of dispersal, as required.
	Contaminated stormwater	Overland flow	All surface water is contained within the premises boundary.
	Unauthorised fires – smoke and fire spread	Air/windborne pathway	No new controls proposed

### 3.1.2 Receptors

In accordance with the *Guideline: Risk assessments* (DWER 2020), the Delegated Officer has excluded employees, visitors and contractors of the Licence Holder's from its assessment. Protection of these parties often involves different exposure risks and prevention strategies, and is provided for under other state legislation.

Table 2 below provides a summary of potential human and environmental receptors that may be impacted as a result of activities upon or emission and discharges from the prescribed premises (*Guideline: Environmental siting* (DWER 2020)).

**Table 2: Sensitive human and environmental receptors and distance from prescribed activity**

Human receptors	Distance from activity / prescribed premises
Town of Southern Cross	6.1 km north east of the premises boundary
Environmental receptors	Distance from activity / prescribed premises
Threatened ecological communities	5.9 km north west of the premises boundary
Threatened and priority flora	3.5 km north east of the premises boundary
<i>Rights in Water and Irrigation Act 1914</i> proclaimed groundwater areas	Within the Goldfields Groundwater Area
Threatened and Priority Fauna	1.2 km east of the premises boundary
Minor non-perennial watercourse	1.6 km south east of the premises boundary

## 3.2 Risk ratings

Risk ratings have been assessed in accordance with the *Guideline: Risk Assessments* (DWER 2020) for those emission sources which are proposed to change and takes into account potential source-pathway and receptor linkages as identified in Section 3.1. Where linkages are in-complete they have not been considered further in the risk assessment.

Where the Licence Holder has proposed mitigation measures/controls (as detailed in Section 3.1), these have been considered when determining the final risk rating. Where the Delegated Officer considers the Licence Holder's proposed controls to be critical to maintaining an acceptable level of risk, these will be incorporated into the licence as regulatory controls.

Additional regulatory controls may be imposed where the Licence Holder's controls are not deemed sufficient. Where this is the case the need for additional controls will be documented and justified in Table 3.

The Revised Licence L8603/2011/3 that accompanies this Amendment Report authorises emissions associated with the operation of the Premises i.e. Operation of putrescible landfill cell – amending minimum coverage to weekly

The conditions in the Revised Licence have been determined in accordance with *Guidance Statement: Setting Conditions* (DER 2015).

Table 3. Risk assessment of potential emissions and discharges from the premises during operation

Risk Event					Risk rating <sup>1</sup> C = consequence L = likelihood	Licence Holder's controls sufficient?	Conditions <sup>2</sup> of licence	Justification for additional regulatory controls
Source/Activities	Potential emission	Potential pathways and impact	Receptors	Licence Holder's controls				
Operation								
Operation of putrescible landfill cell with a minimum weekly coverage	Dust	Air/windborne pathway causing impacts to health and amenity	N/A	Refer to Section 3.1	No receptors present	Yes	Condition 3 and 4	N/A
	Windblown rubbish	Wind dispersion potentially causing contaminating surrounding bushland and fauna	Minor non-perennial watercourse 1.6km Southeast Surrounding bushland and native fauna	Refer to Section 3.1	C = Minor L = Possible <b>Medium Risk</b>	Yes	Conditions 5 and 8	The Delegated Officer considers the requirement of condition 5 to cover all putrescible wastes at a weekly minimum for 150 mm depths, in conjunction with the requirement of condition 8 to ensure windblow waste does not escape the Premises and is collected monthly, to be sufficient to minimise windblown waste.  Weekly cover of waste is in accordance with the <i>Environmental Protection (Rural Landfill) Regulation 2002</i> .
	Odour	Air/windborne pathway causing impacts to health and amenity	N/A	Refer to Section 3.1	No receptors present	Yes	Condition 5	N/A
	Leachate	Subsurface seepage causing impacts to groundwater	Groundwater uses	Refer to section 3.1	C = Moderate L = Unlikely <b>Medium Risk</b>	Yes	Conditions 1, 3, 5, 9 and 10	No additional controls added.  Weekly cover of waste is in accordance with the <i>Environmental Protection (Rural Landfill) Regulation 2002</i> .
	Vermin and scavenging animals	Direct contact causing impacts to health and amenity	Native fauna	Refer to section 3.1	C = Minor L = Rare <b>Low Risk</b>	Yes	Conditions 3, 4, 5 and 6	No additional controls added.  Weekly cover of waste is in accordance with the <i>Environmental Protection (Rural Landfill) Regulation 2002</i> .
	Contaminated stormwater	Overland flow causing impacts to surface water uses	Minor non-perennial watercourse	Refer to section 3.1	C = Minor L = Rare <b>Low Risk</b>	Yes	Condition 10	No additional controls added

Risk Event					Risk rating <sup>1</sup> C = consequence L = likelihood	Licence Holder's controls sufficient?	Conditions <sup>2</sup> of licence	Justification for additional regulatory controls
Source/Activities	Potential emission	Potential pathways and impact	Receptors	Licence Holder's controls				
	Unauthorised fires – smoke and fire spread	Windborne pathway impacting surrounding bushland and fauna	Surrounding bushland and native fauna	Refer to section 3.1	C = Major L = Unlikely <b>High Risk</b>	Yes	Condition 18 <b><u>Conditions 3 and 5</u></b>	<p>Waste by its nature is flammable therefore waste acceptance, processing and cover requirements are necessary to minimise the risk of unauthorised fires.</p> <p>The Delegated Officer considers the requirement of condition 5 to cover all putrescible wastes at a weekly minimum for 150 mm depths, in conjunction with the small throughput received at the site.</p> <p>Weekly cover of waste is in accordance with the <i>Environmental Protection (Rural Landfill) Regulation 2002</i>.</p>

Note 1: Consequence ratings, likelihood ratings and risk descriptions are detailed in the *Guideline: Risk assessments* (DWER 2020).

Note 2: Proposed Licence Holder's controls are depicted by standard text. **Bold and underline text** depicts additional regulatory controls imposed by department.

## 4. Consultation

Table 4 provides a summary of the consultation undertaken by the department.

**Table 4: Consultation**

Consultation method	Comments received	Department response
Licence Holder was provided with draft amendment on 06/11/2025	Licence holder requested to waive comment period	N/A

## 5. Conclusion

Based on the assessment in this Amendment Report, the Delegated Officer has determined that a Revised Licence will be granted, subject to conditions commensurate with the determined controls and necessary for administration and reporting requirements.

### 5.1 Summary of amendments

Table 5 provides a summary of the proposed amendments and will act as record of implemented changes. All proposed changes have been incorporated into the Revised Licence as part of the amendment process.

**Table 5: Summary of licence amendments**

Licence condition	Condition amendment summary
Condition 5 Table 3.	Timescale cover requirements for a minimum of weekly coverage, for Putrescible wastes: Type 1 Inert Waste or Clean Fill: Depth 150 mm

## References

1. Department of Environment Regulation (DER) 2015, *Guidance Statement: Setting Conditions*, Perth, Western Australia.
2. Department of Water and Environmental Regulation (DWER) 2020, *Guideline: Environmental Siting*, Perth, Western Australia.
3. DWER 2020, *Guideline: Risk Assessments*, Perth, Western Australia.