



## Application for Licence Amendment

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

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<b>Licence Number</b>	L6806/1997/8
<b>Licence Holder</b>	Shire of Ashburton
<b>File Number</b>	DER2014/000525-1
<b>Premises</b>	Paraburdoo Waste Disposal Site 120 Beasley Road  Legal description –  Lot 500 on Deposited Plan 62511  As defined by the coordinates in Schedule 2 of the Revised Licence
<b>Date of Report</b>	24/06/2024
<b>Decision</b>	Revised licence granted

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**Manager, Waste Industries**

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

## Table of Contents

<b>1. Decision summary</b>	<b>2</b>
<b>2. Scope of assessment</b>	<b>2</b>
2.1 Regulatory framework	2
2.2 Application summary	2
2.3 Consolidation of Licence	2
<b>3. Risk assessment</b>	<b>3</b>
3.1 Source-pathways and receptors	3
3.1.1 Emissions and controls	3
3.1.2 Receptors	4
3.2 Risk ratings	6
<b>4. Consultation</b>	<b>9</b>
<b>5. Conclusion</b>	<b>9</b>
5.1 Summary of amendments	9
<b>References</b>	<b>12</b>
<b>Appendix 2: Application validation summary</b>	<b>13</b>
Table 1: Licenses consolidated in this amendment	2
Figure 1: Distance to sensitive receptors	5

## 1. Decision summary

Licence L6806/1997/8 is held by Shire of Ashburton (licence holder) for the Paraburdoo Price Waste Disposal Site (the Premises), located at 120 Beasley Road, Paraburdoo.

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 L6806/1997/8 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 Application summary

On 17 November 2023 the Shire of Ashburton submitted an application to the department to amend licence L6806/1997/8 under section 59 and 59B of the *Environmental Protection Act 1986* (EP Act). The following amendments are being sought:

- Updating landfill cover conditions to allow for the use of landfill lids.
- Removal of control for fugitive dust emissions that cross the premises boundary.

### 2.3 Consolidation of Licence

As part of this amendment package the department has consolidated the licence by incorporating changes made under the Amendment Notices as summarised in Table 1.

**Table 1: Licenses consolidated in this amendment**

Instrument	Issued	Summary of approval
L6806/1997/8	13/05/2022	Notice of amendment of licence reporting requirements. Annual Environmental Report condition removed.

The obligations of the Licence Holder have not changed in consolidating the licence. The department has not undertaken any additional risk assessment of the Premises related to previous Amendment Notices.

In consolidating the licence, the CEO has:

- updated the format and appearance of the licence;
- revised licence condition's numbers, and removed any redundant conditions and realigned condition numbers for numerical consistency; and
- corrected clerical mistakes and unintentional errors.

The full consolidation of licence conditions as they relate to this revised licence are detailed in Section 5.1. Previously issued Amendment Notices will remain on the department's website for future reference and will act as a record of the department's decision making.

### 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 Table 2. Table 2 also details the proposed control measures the licence holder has proposed to assist in controlling these emissions, where necessary.

**Table 2. Licence holder controls**

Emission	Sources	Potential pathways	Proposed controls
Odour	Cover of putrescible wastes with landfill lid	Air/windborne pathway	Landfill lid can be used as an alternative daily cover for putrescible wastes.
Windblown wastes		Air/windborne pathway	
Pests/vermin		Biological pathway	
Fire/smoke		Air/windborne pathway	
Leachate		Subsurface seepage	
Dust	Operation of the landfill, including vehicle and equipment operation.	Air/windborne pathway	<ul style="list-style-type: none"> <li>• Operations are undertaken to ensure that minimal visible dust is generated;</li> <li>• Enforcing speed limits on site to minimize wheel generated dust;</li> <li>• Waste is levelled and compacted as soon as practicable after it is discharged;</li> <li>• Active landfill cells covered daily to reduce emissions;</li> <li>• The size of the tipping face is kept to a minimum and not larger than 30m x 30m;</li> <li>• Waste is placed in a defined trench to within an area enclosed by earthen bunds; and</li> <li>• Water tank is kept on site for wetting down surfaces if required.</li> </ul>

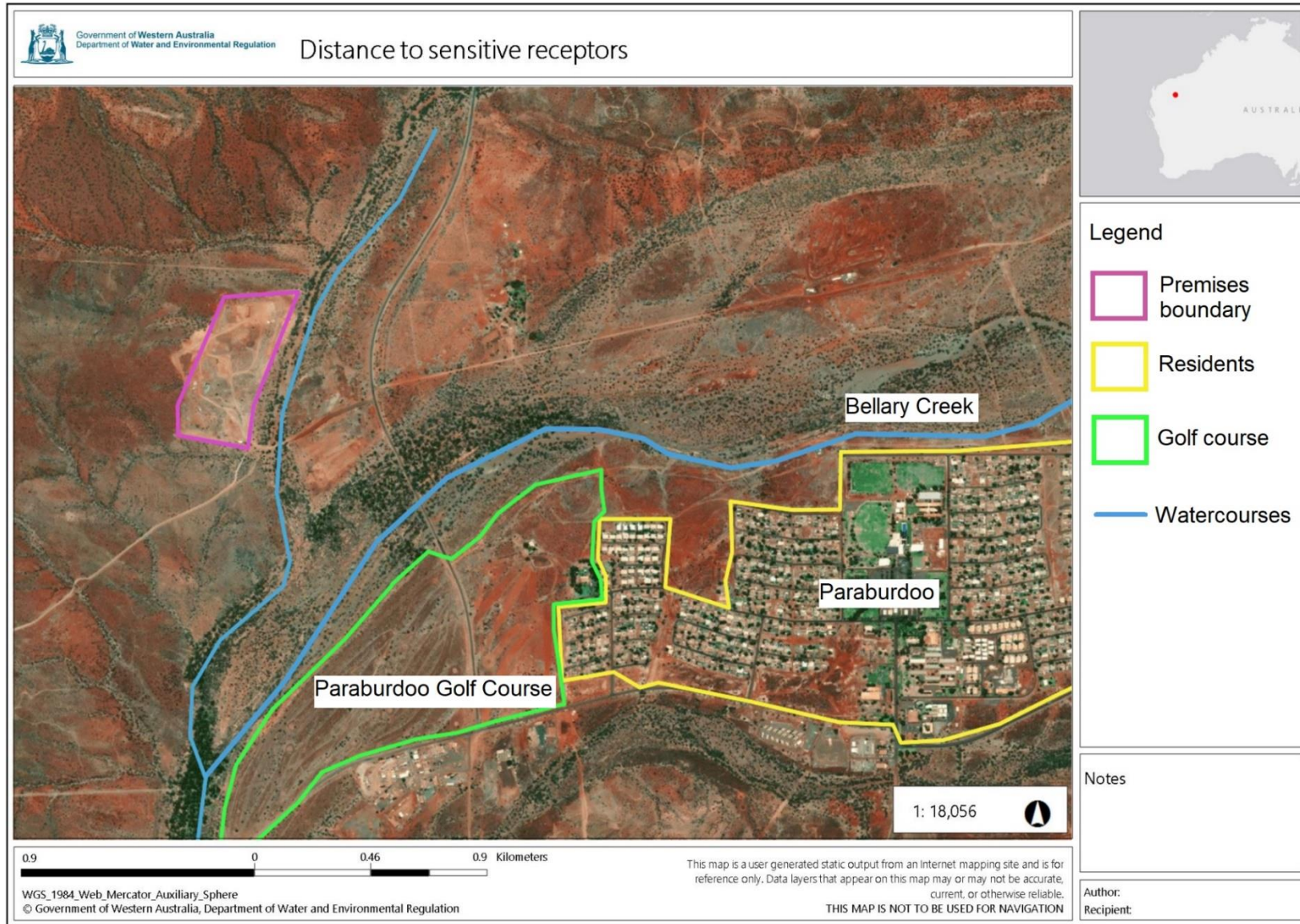
### 3.1.2 Receptors

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 3 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 3: Sensitive human and environmental receptors and distance from prescribed activity**

Human receptors	Distance from prescribed activity
Residents of Paraburdoo	Approximately 1.25km south-east of premises
Paraburdoo Golf Course	Approximately 740m south-east of premises
Environmental Receptors	Distance from prescribed activity
Minor watercourse	Approximately 80m east of premises
Bellary Creek	Approximately 570m south-east of premises
Proclaimed areas under the <i>Rights in Water and Irrigation Act 1914</i>	Within the Pilbara Groundwater Area and the Pilbara Surface Water Area
Public Drinking Water Source Areas	Priority 1 area approximately 1.3km east



**Figure 1: Distance to sensitive receptors**

Licence: L6806/1997/8

## 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 incomplete 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 4.

The Revised Licence L6806/1997/8 that accompanies this Amendment Report authorises emissions associated with the operation of the premises category 64 landfill.

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

Table 4. 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				
<b>Operation</b>								
Operation of a landfill	Dust	Air/windborne pathway causing impacts to health and amenity	Town of Paraburdoo 1.25km south-east Golf course 740m south-east Minor watercourse 80m east	Refer to Section 3.1	C = Minor L = Unlikely <b>Medium Risk</b>	Y	Conditions 5, 12	The Delegated Officer has reviewed the risk of dust emissions from the premises boundary. As this risk is mitigated by sufficient controls the Delegated Officer has removed condition 2.6.2.  Condition 12 of the revised licence requires the licence holder to use all reasonable and practical measures to prevent, and where that is not practicable, to minimize dust emissions from the premises.
Cover of putrescible wastes with landfill lid	Windblown waste	Air/windborne pathway causing impacts to health and amenity	Town of Paraburdoo 1.25km south-east Golf course 740m south-east Minor watercourse 80m east	Refer to Section 3.1	C = Minor L = Rare <b>Low Risk</b>	Y	Conditions 5, 6, 14 <b>Condition 1</b>	The Delegated Officer has assessed the risk of windblown wastes due to the addition of the landfill lid. Additional controls have been added to regulate the use of landfill lids.
	Odour	Air/windborne pathway causing impacts to health and amenity		Refer to Section 3.1	C = Minor L = Rare <b>Low Risk</b>	Y	Conditions 5, 6, 11 <b>Condition 1</b>	The Delegated Officer has assessed the risk of odour due to the addition of the landfill lid. Additional controls have been added to regulate the use of landfill lids.
	Pests / vermin	Biological pathway causing impacts to health and amenity		Refer to Section 3.1	C = Minor L = Rare <b>Low Risk</b>	Y	Conditions 5, 6, 10 <b>Condition 1</b>	The Delegated Officer has assessed the risk of pests/vermin due to the use of landfill lids. Additional controls have been added to regulate the use of landfill lids.



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				
	Fire/smoke	Air/windborne pathway causing impacts to health and amenity		Refer to Section 3.1	C = Severe L = Unlikely <b>High Risk</b>	Y	Conditions 5, 6, 10 <b><u>Condition 1</u></b>	The Delegated Officer has assessed the risk of fire due to the use of landfill lids. Additional controls have been added to regulate the use of landfill lids.
	Leachate	Overland runoff potentially causing ecosystem disturbance or impacting surface water quality		Refer to Section 3.1	C = Minor L = Unlikely <b>Medium Risk</b>	Y	Conditions 5, 6, 10 <b><u>Condition 1</u></b>	The Delegated Officer has assessed the risk of leachate due to the use of landfill lids. Additional controls have been added to regulate the use of landfill lids.

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 5 provides a summary of the consultation undertaken by the department.

**Table 5: Consultation**

Consultation method	Comments received	Department response
The licence holder was provided the draft licence amendment on 03 April 2024.	Licence holder accepted draft without comment on 18 June 2024.	Licence amendment finalised.

## 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 6 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 6: Consolidation of licence conditions in this amendment**

Existing condition	Condition summary	Revised licence condition	Conversion notes
N/A	N/A	N/A	'Licensee' reworded to 'licence holder'. 'shall' reworded to 'must'.
Cover page	N/A	Cover page	Issue date added. Updated to correct premises legal description. Contents, Introduction, Instrument log and Severance deleted and replaced with Interpretation as per current licensing format.
1.1.1 1.1.2	Interpretation and definitions	Interpretation and definitions	Definitions moved to end of licence as per current licensing format. 'Clinical Waste', 'Contaminated Solid Waste', 'Controlled Waste' and 'Greenwaste' definitions added. 'Licensee or Licence Holder' and 'Premises' definition updated as per current licensing format.
1.1.3	Australian or other standard	N/A	Redundant condition. Deleted from licence.
1.1.4	Reference to guideline or code of practice	N/A	Redundant condition. Deleted from licence.
1.2 1.2.1	General conditions	N/A	Redundant condition. Deleted from licence.

Existing condition	Condition summary	Revised licence condition	Conversion notes
1.2.2	Pollution control and monitoring equipment	N/A	Redundant condition. Adequately covered by alternative existing conditions. Deleted from licence.
1.2.3	Storage of environmentally hazardous materials	N/A	Redundant condition. Adequately regulated by the Dangerous Goods Safety Act 2004. Deleted from licence.
1.2.4	Recovery and removal of spills	N/A	Redundant condition. Adequately covered by EP (Unauthorised Discharges) Regulations 2004. Deleted from licence.
1.2.5	Prevention of contamination and containment of contaminated stormwater	13	Revised to current licensing format.
1.3.1 Table 1.3.1	Waste acceptance	2 Table 2	Revised to current licensing format.
1.3.2	Waste acceptance removal	3	Revised to current licensing format.
1.3.3 Table 1.3.3	Waste processing	4 Table 3	Revised to current licensing format.
1.3.4	Landfilling activities	5	Revised to current licensing format. Addition of landfill lid in managing landfilling activities.
1.3.5 Table 1.3.5	Cover requirements	6 Table 4	Revised to current licensing format. Addition of landfill lid to table 4 as alternative daily cover for putrescible wastes.  Cover depth for Special Waste Type 2 corrected to 1000 mm.
1.3.6	Security measures	7	Revised to current licensing format.
1.3.7	Signage requirements	8	Revised to current licensing format.
1.3.8	Windblown waste management	14	Revised to current licensing format.
1.3.9	Prevention of pests	10	Revised to current licensing format.
1.3.10 1.3.11 1.3.12	Fire and fire water management	9	Revised to current licensing format.
2.1.1	General	N/A	Redundant condition. Deleted from licence.
2.2-2.4	Point source emissions to air, surface water and groundwater	N/A	Redundant condition. Deleted from licence.

Existing condition	Condition summary	Revised licence condition	Conversion notes
2.5	Emission to land	N/A	Redundant condition. Deleted from licence.
2.6.1	Fugitive dust emissions	12	Revised to current licensing format.
2.6.2	Prevention of dust emissions crossing premises boundary	N/A	Removed as per risk assessment (see risk assessment section).
2.7.1	Odour	11	Revised to current licensing format.
2.8	Noise	N/A	Redundant condition. Deleted from licence.
3.1	General monitoring	N/A	Redundant condition. Deleted from licence.
3.2-3.4	Monitoring of point source emissions to air, surface water and groundwater	N/A	Redundant condition. Deleted from licence.
3.5	Emissions to land	N/A	Redundant condition. Deleted from licence.
3.6.1 Table 3.6.1	Monitoring of inputs and outputs	15 Table 5	Revised to current licensing format.
3.7	Process monitoring	N/A	Redundant condition. Deleted from licence.
3.8	Ambient environmental quality monitoring	N/A	Redundant condition. Deleted from licence
3.9	Meteorological monitoring	N/A	Redundant condition. Deleted from licence
4	Improvements	N/A	Redundant condition. Deleted from licence
5.1.1	Maintaining records	17 18	Revised to current licensing format.
5.1.2	Premises staff	N/A	Redundant condition. Deleted from licence
5.1.3	Annual Audit Compliance Report	21	Revised to current licensing format.
5.1.4	Complaints management	16	Revised to current licensing format.
5.1.5	Waste register	19	Revised to current licensing format.
5.2.1 Table 5.2.1 5.2.2	Annual Environmental Report requirements	N/A	Deleted from licence as per Notice of Amendment of Licence reporting requirements (16/05/2022).
5.3.1 Table 5.3.1	Notification requirements	20 22	Notification of unauthorised fires separated out into condition 20. Revised to current licensing format.

Existing condition	Condition summary	Revised licence condition	Conversion notes
		Table 6	
N/A	Infrastructure requirements	1 Table 1	Inclusion of landfill lid in infrastructure table ensure landfill lid integrity maintained.
Schedule 1	Premises map	Schedule 1 Figure 1: Map of the boundary of the prescribed premises	Premises map updated with map provided by applicant. Scale added.
Schedule 2		Cover page	Schedule 2 moved to the cover page as per current licensing format.
N/A	Premises boundary coordinates	Schedule 2 Table 8	Added premises boundary coordinates as per current licensing format.

## 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.

## Appendix 2: Application validation summary

SECTION 1: APPLICATION SUMMARY			
<b>Application type</b>			
Amendment to licence	<input checked="" type="checkbox"/>	Current licence number:	L6806/1997/8
		Relevant works approval number:	N/A <input checked="" type="checkbox"/>
Date application received	17 November 2023		
<b>Applicant and Premises details</b>			
Applicant name/s (full legal name/s)	Shire of Ashburton		
Premises name	Paraburdoo Waste Disposal Site		
Premises location	120 Beasley Road PARABURDOO, WA, 6754 Lot 500 on Deposited Plan 62511 Volume LR3168 Folio 794		
Local Government Authority	Shire of Ashburton		
<b>Application documents</b>			
HPCM file reference number:	DWERDT869833		
Key application documents (additional to application form):	Licence Amendment Supporting Information – Paraburdoo Waste Disposal Site (L6806/1997/8)		
<b>Scope of application/assessment</b>			
Summary of proposed activities or changes to existing operations.	<p>Licence holder seeking to amend the following conditions:</p> <p>Condition 2.6.2 regarding daily cover for landfill. Applicant is seeking to use landfill lids as an alternative daily cover option for putrescible waste.</p> <p>Condition 2.6.1 regarding dust control. Applicant seeks to remove or amend condition that states no visible dust to be generated. Applicant states existing measures in place to minimise dust generation currently including:</p> <ul style="list-style-type: none"> <li>• Speed limits enforced to minimise wheel generated dust</li> <li>• Waste levelled and compacted as soon as practicable</li> <li>• Active landcells covered</li> <li>• Size of tipping face minimised</li> <li>• Water tank kept for wetting down where required</li> <li>• Waste placed in defined trench</li> </ul>		
<b>Category number/s (activities that cause the premises to become prescribed premises)</b>			
<b>Table 1: Prescribed premises categories</b>			
Prescribed premises category and description	Assessed production or design capacity	Proposed changes to the production or design capacity	
Category 64: Class II / Class III putrescible landfill site	5,000 tonnes per year	N/A	

Legislative context and other approvals		
Has the applicant referred, or do they intend to refer, their proposal to the EPA under Part IV of the EP Act as a significant proposal?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	N/A
Does the applicant hold any existing Part IV Ministerial Statements relevant to the application?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	N/A
Has the proposal been referred and/or assessed under the EPBC Act?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Reference No:
Has the applicant demonstrated occupancy (proof of occupier status)?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Certificate of title
Has the applicant obtained all relevant planning approvals?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	No clearing is proposed. Licence holder is also Shire of Ashburton.
Has the applicant applied for, or have an existing EP Act clearing permit in relation to this proposal?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	No clearing is proposed.
Has the applicant applied for, or have an existing CAWS Act clearing licence in relation to this proposal?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	No clearing is proposed.
Has the applicant applied for, or have an existing RIWI Act licence or permit in relation to this proposal?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Licence / permit not required.
Does the proposal involve a discharge of waste into a designated area (as defined in section 57 of the EP Act)?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	N/A
Is the Premises situated in a Public Drinking Water Source Area (PDWSA)?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	N/A
Is the Premises subject to any other Acts or subsidiary regulations (e.g. <i>Dangerous Goods Safety Act 2004</i> , <i>Environmental Protection (Controlled Waste) Regulations 2004</i> , <i>State Agreement Act xxxx</i> )	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<i>Dangerous Good Safety Act 2004</i> <i>Environmental Protection (Controlled Waste) Regulations 2004</i>
Is the Premises within an Environmental Protection Policy (EPP) Area?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	N/A
Is the Premises subject to any EPP requirements?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	N/A
Is the Premises a known or suspected contaminated site under the <i>Contaminated Sites Act 2003</i> ?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Classification: Contaminated – restricted use. Date of classification: 7 April 2016