



Application for Licence Amendment

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

Licence Number	L8422/2010/2
Licence Holder	Edna May Operations Pty Ltd
ACN	136 365 001
File Number	DER2017/000298-1
Premises	Edna May Gold Project Warrachuppin Road WESTONIA WA 6423 Mining tenements: M77/88, M77/110, M77/124, G77/122 and L77/18 As defined by the Premises maps attached to the Revised Licence
Date of Report	4 November 2020
Decision	Revised licence granted

Lauren Fox
A/MANAGER RESOURCE INDUSTRIES
an officer delegated under section 20 of the *Environmental Protection Act 1986* (WA)

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1. Decision summary

Licence L8422/2010/2 is held by Edna May Operations Pty Ltd (Licence Holder) for the Edna May Gold Project (the Premises), located at mining tenements M77/88, M77/110, M77/124, G77/122 and L77/18, Westonia.

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 construction and operation of the Premises. As a result of this assessment, Revised Licence L8422/2010/2 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. The Revised Licence has been granted in a new format with existing conditions being transferred, but not reassessed, to the new format.

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 13 July 2020, the Licence Holder submitted an application to the department to amend Licence L8422/2010/2 under section 59 and 59B of the *Environmental Protection Act 1986* (EP Act). The following amendments are being sought:

- Move the existing landfill and bioremediation facility to a new area on the premises, as there is limited room for further trenches at the existing location.

The proposed location for the landfill and bioremediation area is on the Corsini waste dump which is constructed on tenement G77/122. The area will be surrounded by a bund as sufficient cover material stockpile and fenced with a wire stock fence at least 1.2m high around the perimeter.



Figure 1: Proposed landfill and bioremediation pad area



Figure 2: Location of proposed landfill and bioremediation pad

Landfill trenches will be progressively backfilled with 1m of waste as they are used. At closure the landfill trenches and bioremediation area will be encapsulated by waste rock.

Bioremediation pad:

The applicant has confirmed that the new bioremediation area will be designed and constructed in accordance with the department’s contaminated sites guideline: *Assessment and management of contaminated sites, December 2014*. This means that it will be located:

- on a flat level ground;
- within a bunded area (1m height x 1m width), constructed with compacted in-situ clay material to a permeability of $1 \times 10^{-8} \text{m/s}$ to 10^{-9}m/s , with unauthorised access prevented by a locked access gate;
- groundwater within Westonia is between 28-40 mbgl and the bioremediation pad is on top of a 10m layer of mine waste (10m above natural surface level); and
- away from sensitive receptors and environmental receptors (closest residences are 900m east and 1.7km south)

Bioremediation Facility—Conceptual Design

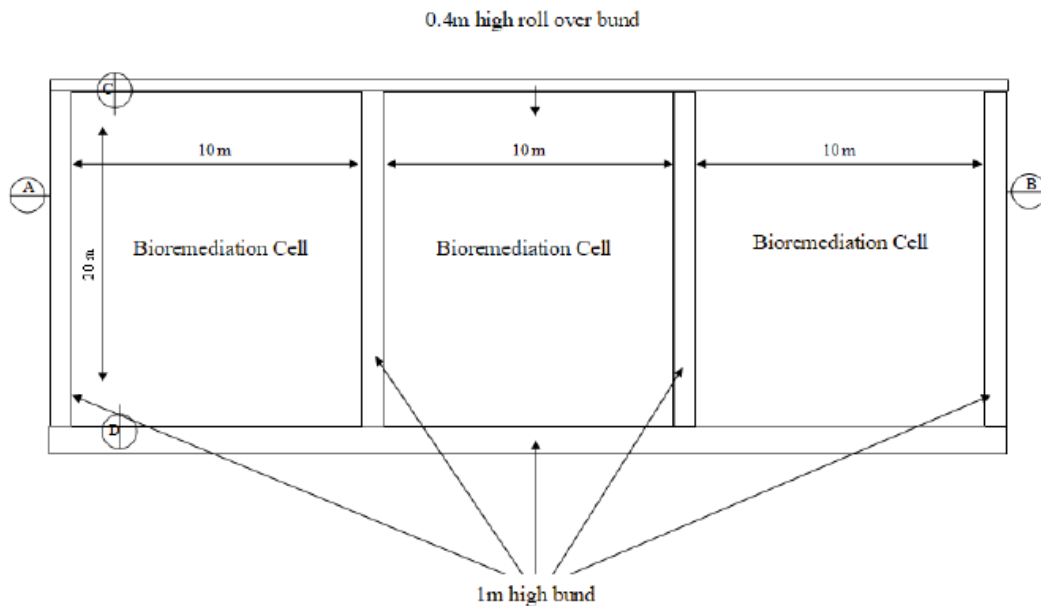


Figure 3: Bioremediation Facility

This amendment is limited only to changes to Category 64 (putrescible landfill) activities from the Existing Licence. No changes to the aspects of the existing Licence relating to Categories 5 (processing or beneficiation of metallic or non-metallic ore), 6 (mine dewatering), or 61 (liquid waste facility) have been requested by the Licence Holder.

Table 1 below outlines the proposed changes to the existing Licence

Table 1: Proposed throughput capacity changes

Category	Current throughput capacity	Proposed throughput capacity	Description of proposed amendment
64	5,000 tonnes per annual period	No change proposed.	The Licence Holder proposes to move the existing landfill and bioremediation facility.

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 *Guidance Statement: Risk Assessments* (DER 2017).

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 construction and operation which have been considered in this Amendment Report are detailed in Table 2 below. 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
Dust	Vehicle and machinery movements, cut and fill earthworks.	Air/windborne pathway	No specific controls proposed; application states distance to sensitive receptors is sufficient control.
Noise	Vehicle and machinery movements, compaction construction activities.	Air/windborne pathway	<p>There are no specific controls proposed in the amendment application however, there is a Noise Management Plan (NMP) in place for the premises and management strategies are in place to minimise impacts of noise on sensitive receptors.</p> <p>The NMP includes annual noise monitoring at six locations around the premises to measure the impacts to sensitive receptors and management strategies to minimise noise.</p>
Waste and leachate	Leachate from landfill and bioremediation area	Infiltration through base and sides of landfill liner and bioremediation pad	<p>Groundwater buffer between base of landfill, bioremediation pad and maximum groundwater level. Groundwater levels within Westonia vary between 28-40m below ground level (mbgl) (pre-mining levels) and groundwater levels have declined as a result of dewatering of the main Edna May pit (162m bgl).</p> <p>The bioremediation pad is located on top of a 10m layer of mine waste (10m above the natural surface level) providing an additional buffer between the base and the groundwater level. Distance to groundwater at the bioremediation pad will be a minimum of 58m.</p> <p>There will be no stockpiling of waste, it will be directly landfilled or processed through the bioremediation pad.</p>
Odour	Waste from landfill and bioremediation area	Air/windborne pathway	No specific controls proposed; the application states that the distance to sensitive receptors is a sufficient control.
Contaminated stormwater	leachate from landfill and bioremediation area	Direct discharge	<p>Impacts to nearby surface water receptors will be managed by sediment capture and surface water controls structures (toe drains and bunds).</p> <p>The bioremediation pad constructed of compacted in-situ clay materials, it will be 20m x 10m and be contained by a 1m high bund to contain contaminated stormwater.</p>
Waste and	Leachate from the	Infiltration	Closure controls:

Emission	Sources	Potential pathways	Proposed controls
leachate	existing landfill and bioremediation area	through base and sides of landfill liner and bioremediation pad	Groundwater buffer between base of landfill, bioremediation pad and maximum groundwater level. Groundwater levels within Westonia vary between 28-40m below ground level (mbgl) (pre-mining levels) and groundwater levels have declined as a result of dewatering of the main Edna May pit (162m bgl). At closure, the landfill trenches and bioremediation area will be encapsulated by waste rock. The bioremediation area and landfill trenches will be located away from the batters to ensure they aren't disturbed by batter re-sloping during rehabilitation.

3.1.2 Receptors

In accordance with the *Guidance Statement: Risk Assessment* (DER 2017), 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 (*Guidance Statement: Environmental Siting* (DER 2016)).

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

Human receptors	Distance from prescribed activity
Closest residential receptor	900m east of the proposed landfill and bioremediation pad area. Westonia Town is 1km south of the premises boundary
Environmental receptors	Distance from prescribed activity
<i>R/W Act 1914</i> – Groundwater area – Westonia Groundwater Area	Within premises boundary
Eucalypt woodlands of the Western Australian Wheatbelt (Threatened Ecological Community and Priority 3 Ecological Community) <i>Eucalyptus longicornis</i> (Red Morrel Woodland of the Wheatbelt) (Priority 1 Ecological Community)	Within premises boundary
<i>Eremophila resinosa</i> (Threatened Flora)	Within premises boundary
<i>Eucalyptus salmonophloia</i> (Salmon gum woodlands) (Priority 3)	Within premises boundary
Environmental receptors	Distance from prescribed activity
<i>Austrostipa blackii</i> (Priority 3)	Within premises boundary

<i>Acacia ancistrophylla</i> var. <i>perarcuata</i> (Priority 3)	Within premises boundary
Carrabin Nature Reserve and Sandford Rocks Nature Reserve	Located 6.8km south east of the premises boundary and 6.2km south of the premises boundary.
Groundwater	<p>Within Westonia area occurs in weathered and fractured bedrock aquifers with depths to groundwater varying between 28 – 40m below ground level (mbgl) (pre-mining levels). Groundwater levels have since declined as a result of dewatering of the main Edna May pit (53m AHD). Dewatering at the site has created a cone of depression >100m deep around the pit. All groundwater extracted from production and dewatering bores is used in processing and dust suppression.</p> <p>The current groundwater quality from the extraction sources in 2018 has a near-neutral pH and is hypersaline. Groundwater from the monitoring bores ranged between 24,500 – 49,300 mg/L TDS.</p>
Surface water	<p>Ephemeral creeks in the general area drain into a number of salt lakes; the nearest of which is Lake Mount Brown, located approximately 50 km north of the premises.</p> <p>Drainage is to the northeast and normally terminates 35km to the northwest at Lake Camion – Lake Brown.</p>



Figure 3-2: Location of the project relative to residential properties and Westonia townsite

Figure 4: Distance to sensitive receptors



Figure 5: Site Layout

3.2 Risk ratings

Risk ratings have been assessed in accordance with the *Guidance Statement: Risk Assessments* (DER 2017) 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 4.

The Revised Licence L8422/2010/2 that accompanies this Amendment Report authorises emissions associated with the operation of the Premises i.e. Category 5 activities.

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 construction, commissioning and operation

Risk Event					Risk rating ¹ C = consequence L = likelihood	Licence Holder's controls sufficient?	Conditions ² of licence	Justification for additional regulatory controls
Source/Activities	Potential emission	Potential pathways and impact	Receptors	Licence Holder's controls				
Construction								
Construction and installation of the landfill and bioremediation pad area	Dust	Air/windborne pathway causing impacts to health and amenity (human receptors) and reduced growth in flora (dust).	Residences 900m east and 1.7km south	Refer to Section 3.1.1	C = Minor L = Unlikely Medium Risk	N	<u>Condition 9 (i)</u> <u>Condition 14</u>	Standard dust conditions have been included in the licence to minimise the potential impacts from dust emissions at the landfill.
	Noise		Threatened and Priority flora	Refer to Section 3.1.1	C = Minor L = Unlikely Medium Risk	Y	N/A	NA – The Applicant is required to comply with the <i>Environmental Protection (Noise) Regulations 1997</i> at all times.
Construction and installation of the landfill and bioremediation pad area	Waste and leachate	Infiltration through base and sides of landfill liner and bioremediation pad to surface water and seepage to groundwater causing contamination of waters or deterioration of local/regional surface water ecosystems, and detriment to flora health.	Underlying groundwater Surrounding native vegetation (priority, listed fauna / flora /TEC)	Refer to Section 3.1.1	C = Moderate L = Unlikely Medium Risk	Y	<u>Condition 5 and Table 2</u> <u>Condition 6 and 7</u>	Design and construction requirements have been included in the licence to ensure that the landfill and bioremediation pad are constructed to prevent waste and leachate emissions.
Operation								
Operation of landfill and bioremediation area	Dust	Air/windborne pathway causing impacts to health and amenity	Residences 900m east and 1.7km south	Refer to Section 3.1.1	C = Minor L = Unlikely	N	<u>Condition 9 (i)</u> <u>Condition 14</u>	Standard dust conditions have been included in the licence to minimise the potential impacts from dust emissions at the landfill.

Licence: L8422/2010/2

Risk Event					Risk rating ¹ C = consequence L = likelihood	Licence Holder's controls sufficient?	Conditions ² of licence	Justification for additional regulatory controls
Source/Activities	Potential emission	Potential pathways and impact	Receptors	Licence Holder's controls				
		(human receptors) and reduced growth in flora.	Threatened and Priority flora		Medium Risk			
Operation of landfill and bioremediation area	Noise	Air/windborne pathway causing impacts to health and amenity	Residences 900m east and 1.7km south	Refer to Section 3.1.1	C = Minor L = Unlikely Medium Risk	Y	N/A	NA – The Applicant is required to comply with the <i>Environmental Protection (Noise) Regulations 1997</i> at all times.
Operation of landfill and bioremediation area	Odour	Air/windborne pathway causing impacts to health and amenity	Residences 900m east and 1.7km south	Refer to Section 3.1.1	C = Minor L = Rare Low Risk	Y	N/A	N/A
Operation of landfill and bioremediation area	Waste and leachate	Infiltration through base and sides of landfill liner and bioremediation pad to surface water and seepage to groundwater causing contamination of waters or deterioration of local/regional surface water ecosystems, and detriment to flora health.	Underlying groundwater Surrounding native vegetation (priority, listed fauna / flora /TEC)	Refer to Section 3.1.1	C = Moderate L = Unlikely Medium Risk	Y	Condition 3 and Table 1 (Infrastructure and equipment requirements); Condition 8 and Table 3 (waste acceptance); Condition 9 and Condition 10 (controls for landfill and bioremediation pad) of Existing Licence.	N/A
Operation of landfill and bioremediation area	Contaminated stormwater	Direct discharge via overtopping causing contamination of surface waters, groundwaters and detriment to flora health.	Underlying groundwater and nearby surface water Surrounding native vegetation (priority, listed	Refer to Section 3.1.1	C = Minor L = Unlikely Medium Risk	Y	Condition 3 and Table 1 (infrastructure and equipment requirements) of Existing Licence	N/A

Risk Event					Risk rating ¹ C = consequence L = likelihood	Licence Holder's controls sufficient?	Conditions ² of licence	Justification for additional regulatory controls
Source/Activities	Potential emission	Potential pathways and impact	Receptors	Licence Holder's controls				
			fauna / flora /TEC)					
Closure of existing landfill and bioremediation pad	Waste and leachate	Infiltration through base and sides of landfill liner and bioremediation pad to surface water and seepage to groundwater causing contamination of waters or deterioration of local/regional surface water ecosystems, and detriment to flora health.	Underlying groundwater Surrounding native vegetation (priority, listed fauna / flora /TEC)	Refer to Section 3.1.1	C = Minor L = Rare Low Risk	Y	N/A	N/A

Note 1: Consequence ratings, likelihood ratings and risk descriptions are detailed in the *Guidance Statement: Risk Assessments* (DER 2017).

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
Invitation to comment was sent to Shire of Westonia on 23/09/2020	No comments received.	N/A
Invitation to comment on amendment was sent to Department of Mines, Industry Regulation and Safety (DMIRS) on 23/09/20	No comments received.	N/A
Licence Holder was provided with draft amendment on 21 October 2020	Refer to Appendix 1	Refer to Appendix 1

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: Summary of licence amendments

Condition no.	Proposed amendments
5 and Table 2	Design and construction requirements have been included in the licence for the construction of the new landfill and bioremediation pad.
6 and 7	An Environmental Compliance Report and specifications of that report have been added to the licence to ensure the landfill and bioremediation pad have been constructed as per the design.
9 (i)	An additional control to manage dust at the landfill tipping area to minimise dust generation from vehicles and waste placement.
14	An additional condition to ensure dust from primary activities does not cross the premises boundary.
Table 8	Definitions have been updated to include additional guideline, waste definitions and primary activities.
Schedule 1	Premises map has been updated to include new landfill and bioremediation area

References

1. Department of Environment Regulation (DER) 2016, *Guidance Statement: Environmental Siting*, Perth, Western Australia.
2. DER 2017, *Guidance Statement: Risk Assessments*, Perth, Western Australia.
3. DER 2015, *Guidance Statement: Setting Conditions*, Perth, Western Australia.
4. DER, 2014, *Guideline Assessment and management of contaminated sites, Contaminated sites guidelines*, Perth, Western Australia.
5. DEC, 2012, *Western Australian guidelines for biosolids management*, Perth, Western Australia.
6. DWER, 2019, *Landfill Waste Classification and Waste Definitions 1996 (as amended 2019)*, Perth, Western Australia.

Appendix 1: Summary of Licence Holder's comments on risk assessment and draft conditions

Condition	Summary of Licence Holder's comment	Department's response
5: Design and construction requirements	<p>The Licence Holder is not proposing to construct the landfill in in-situ clay material. The landfill trench will be dug into the existing waste rock that has been deposited on the Corsini WRL (waste rock landfill) from mining of the Greenfinch Pit and Edna May Pit. The landfill trench is not proposed to be lined.</p> <p>The licence holder is requesting that Table 1 be amended so that 'compacted in-situ clay material' is removed.</p> <p>The licence holder is requesting that Table 2 is amended so that 'compacted in-situ clay material to 1×10^{-8}m/s permeability' is removed from the requirements.</p>	<p>Condition 1 of the current licence has an operational requirement for the landfill and bioremediation facility to be compacted in-situ clay material. Condition 5 is in line with this requirement and is not an additional requirement.</p> <p>Given that the licence holder has not provided any additional information about the material in the Corsini waste rock dump or its potential ability to act as a liner, it is appropriate for this requirement applied to the new landfill and bioremediation area.</p>
5: Design and construction requirements 6: audit compliance & submission of Environmental Compliance Report 7: submission of the Environmental Compliance Report.	<p>The licence holder does not see the justification for additional regulatory controls, conditions 5, 6 and 7 of the licence and request for them to be removed. The licence holder has the following concerns with the conditions:</p> <ul style="list-style-type: none"> • The landfill trench will continue to change as more waste is deposited and covered over • Each additional trench would require a compliance report • The requirement for certification and who qualifies as a suitably qualified person • The bioremediation pad does not fall within a premise category as it does not accept off-site material and handles less than 1000 tonnes per annum. • The conditions 5, 6 and 7 are duplications of existing conditions 9 and 10. 	<p>The requirements for landfill trenches has been moved to condition 9 operational requirements, therefore there will not be a requirement to submit a compliance report for construction of each trench.</p> <p>The requirement for a suitably qualified person has been updated to include someone who has experience in installing that specific item of infrastructure.</p> <p>Although the bioremediation pad activities do not meet the definition of a prescribed premises category, the activities were already included on the licence prior to this amendment, they are occurring within a prescribed premises boundary and give rise to emissions and discharges. This falls within the provisions of section 56 of the EP Act. Therefore, these activities have been risk assessed and conditioned where appropriate to manage risk to the environment and public health.</p>

Condition	Summary of Licence Holder's comment	Department's response
		<p>Duplication – Conditions 5, 6 and 7 have been included in this licence as standard conditions where construction or installation works are required and have been assessed as part of a licence amendment rather than a works approval and relate to construction not operational requirements.</p>

Appendix 2: Application validation summary



Government of Western Australia
Department of Water and Environmental Regulation

VALIDATION CHECKLIST: WORKS APPROVAL, LICENCE, REGISTRATION, AND AMENDMENT APPLICATIONS

Roles and Responsibilities for validation of works approval and/or licensing applications:

Licensing Officer: you are to validate the application package to ensure that information provided is complete and accurate. In order to complete this task, you must complete Sections 1, 2, 3 and 4. If further information is required from the applicant during validation then complete Section 6.

Delegated Officer: you are to check that the validation has been undertaken appropriately and endorse that there is sufficient information to commence assessment. In order to complete this task, you must review Sections 1, 2, 3 and 4 and complete Section 5. If the Licensing Officer has determined that further information is required you must also review Section 6.

Notes:
Red text is optional/guidance text.
Green text is instructional text.

SECTION 1: APPLICATION SUMMARY					
Application type					
Works approval	<input type="checkbox"/>				
Licence	<input type="checkbox"/>	Relevant works approval number:	None	<input type="checkbox"/>	
		Has the works approval been complied with?	Yes	No <input type="checkbox"/>	
		Has time limited operations under the works approval demonstrated acceptable operations?	Yes	No <input type="checkbox"/>	N/A <input type="checkbox"/>
		Environmental Compliance Report / Critical Containment Infrastructure Report submitted?	Yes	No	<input type="checkbox"/>
		Date Report received:			
Renewal	<input type="checkbox"/>	Current licence number:			
Amendment to works approval	<input type="checkbox"/>	Current works approval number:			
Amendment to licence	<input checked="" type="checkbox"/>	Current licence number:	L8422/2010/2		
		Relevant works approval number:	N/A	<input type="checkbox"/>	
Registration	<input type="checkbox"/>	Current works approval number:	None	<input type="checkbox"/>	
Date application received	12 July 2020				
Applicant and Premises details					
Applicant name/s (full legal name/s)	Edna May Operations Pty Ltd				



Premises name	Edna May Operations	
Premises location	M77/88, M77/110, M77/124, L77/18 and G77/122	
Local Government Authority	Westonia	
Application documents		
HPCM file reference number:	DWERDT306599	
Key application documents (additional to application form):	Attachment 1 – Application to amend Licence Attachment 2 – Premises Map Attachment 7 – Siting and Location	
Scope of application/assessment		
Summary of proposed activities or changes to existing operations.	Licence amendment Operation of landfill and bioremediation facility – move the existing landfill to a new area as room for further trenches has become limited.	
Category number/s (activities that cause the premises to become prescribed premises)		
Table 1: Prescribed premises categories		
Prescribed premises category and description	Assessed production or design capacity	Proposed changes to the production or design capacity (amendments only)
Category 64: Class II or III putrescible landfill site	5000 tonnes per annual period	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"/>	Referral decision No: Managed under Part V <input type="checkbox"/> Assessed under Part IV <input type="checkbox"/>
Does the applicant hold any existing Part IV Ministerial Statements relevant to the application?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Ministerial statement No: EPA Report No:
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 <input type="checkbox"/> General lease <input type="checkbox"/> Expiry: Mining lease / tenement <input type="checkbox"/> Expiry: Other evidence <input type="checkbox"/> Expiry:



Has the applicant obtained all relevant planning approvals?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	Approval: Expiry date: If N/A explain why? Mining tenement
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"/>	CPS No: N/A 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"/>	Application reference No: N/A Licence/permit No: N/A 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"/>	Application reference No: Licence/permit No: 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"/>	Name: N/A Type: Proclaimed Groundwater Area/Surface Water Area Has Regulatory Services (Water) been consulted? Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Regional office: Swan Avon / Mid-West Gascoyne / Kwinana Peel / North West / South West / Goldfields / South Coast
Is the Premises situated in a Public Drinking Water Source Area (PDWSA)?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Name: N/A Priority: P1 / P2 / P3 / N/A Are the proposed activities/ landuse compatible with the PDWSA (refer to WQPN 25)? Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
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 type="checkbox"/> No <input type="checkbox"/>	
Is the Premises within an Environmental Protection Policy (EPP) Area?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Is the Premises subject to any EPP requirements?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	



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"/>	If Yes include details here. Classification: possibly contaminated – investigation required (PC-IR) Date of classification: N/A
Direct interest stakeholders		
<i>Shire of Westonia</i>	Letter to be sent Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
<i>DMIRS</i>	Letter to be sent Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	



SECTION 2: RECEPTORS	
The nearest town of Westonia	Is approximately 1 km south of the Premises.
Human receptors	Distance from activity / prescribed premises
<i>Residential Premises</i>	<i>1 km from the proposed activities</i>
Environmental receptors	Distance from activity / prescribed premises
<i>Specified Ecosystems</i>	<i>Parks and Wildlife Managed Lands and Waters – Sandford Rocks Nature Reserve 4km north east</i>
<i>Underlying groundwater (non-potable purposes)</i>	<i>Westonia Groundwater area. Groundwater salinity – 14000 - 35000</i>
<i>TECs/PECs</i>	<i>Within the premises boundary- Eucalypt woodlands or the Western Australian Wheatbelt Red Morrel Woodlands or the Wheatbelt – 2kms east of the pit</i>
<i>Threatened priority flora</i>	<i>Within the premises boundary -</i>
<i>Threatened priority fauna</i>	<i>Within the premises boundary -</i>



SECTION 3: PRELIMINARY RISK ASSESSMENT TABLE

Notes: the grey shaded cells are not to be completed during this preliminary phase.

The preliminary risk assessment table does not need to be comprehensive and only needs to identify source-pathway-receptor (S-P-R) linkages and potential impacts to provide context to the Delegated Officer on the likely emission sources from proposed activities. Risk ratings are not to be devised at this stage as the suitability of applicant controls will need to be assessed and factored into the final risk assessment (in some cases technical advice from Science and Planning and other decision making authorities may be needed to feed into final risk ratings).

For amendments: only consider S-P-R linkages that relate to the proposed changes i.e. will the proposed changes result in new emission sources or will they change existing emissions and therefore the initial risk rating may change and/or does the original reasoning need to be updated. If no changes to emissions then no further assessment is required (as it will have previously been assessed and is still valid).

Risk Event					Risk rating C = consequence L = likelihood	Applicant controls sufficient?	Conditions of licence	Justification for additional regulatory controls
Source/Activities	Potential emissions	Potential pathways and impact	Receptors	Applicant controls				
Construction								
Construction of new landfill and bioremediation facility	Dust	Air/windborne pathway causing impacts to health and amenity	Residences 1km south					
	Noise							
Operation								



Operation of landfill and bioremediation facility	Dust	Air/windborne pathway causing impacts to health and amenity	Residences 1km south					
	Noise	Air/windborne pathway causing impacts to health and amenity	Residences 1km south					
	Odour	Air/windborne pathway causing impacts to health and amenity	Residences 1km south					
	Seepage of leachate	Seepage	Groundwater					
	Leachate discharge to surface water	Overland run off	Nearby surface water					



SECTION 4: VALIDATION RECOMMENDATION – LICENSING OFFICER (TO COMPLETE)

- I confirm that Part 15: Declaration and signature of the application form is complete (as per instructions in Part 15).
- I confirm that I have checked all the information within the application form.
- I confirm that there is sufficient information within the application and supporting documentation to undertake a risk assessment (refer to preliminary risk assessment in Section 3) relating to the emission source, pathway and receptor linkages.

RECOMMENDATION

- Validation is complete: I am satisfied with the validation and recommend that the Delegated Officer validate the application.
- Application in-complete and further information required. Request additional information and clarification from the applicant as outlined in Section 6 below.
- Recommend Decline to Deal.
- Return (for amendment applications only)

COMMENTS

Some additional information regarding the landfill liner may be required, but I can do this during the assessment stage.

Name:	Josephine Tuohy
Date:	19 August 2020

SECTION 5: VALIDATION – DELEGATED OFFICER (TO COMPLETE)

RECOMMENDATION

- I am satisfied with the Licensing Officer's validation (Section 1 and 4) and will validate the application.
- I have reviewed Section 3 and agree with the preliminary risk assessment (Note DO changes) [include comments if relevant].
- Further information is required. Park application and request additional information and clarification from the applicant as detailed in Section 6 below (Table to be included in Schedule 1 of formal RFI letter).
- Recommend Decline to Deal.
- Return (for amendment applications only)

COMMENTS

Based on the validation and preliminary risk assessment a reduced decision report should be prepared

Name:	Lauren Fox
Date:	3/9/20