



## Application for Works Approval

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

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**Works Approval Number** W3140/2025/1

**Applicant** Beacon Mining Pty Ltd

**ACN** 603 853 916

**File number** APP-0031186

**Premises** Lady Ida Project – Iguana Deposit  
Part of mining tenement M16/262

As defined by the coordinates in Schedule 2 of the works approval

As defined by the premises maps attached to the issued works approval

**Date of report** 21 January 2026

**Decision** Works approval granted

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## 1. Decision summary

This decision report documents the assessment of potential risks to the environment and public health from emissions and discharges during the construction and operation of the premises. As a result of this assessment, works approval W3140/2025/1 has been granted.

## 2. Scope of assessment

### 2.1 Regulatory framework

In completing the assessment documented in this decision report, the Department of Water and Environmental Regulation (the department; DWER) 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 and overview of premises

On 24 September 2025, Beacon Mining Pty Ltd (the applicant) submitted an application for a works approval to the department under section 54 of the *Environmental Protection Act 1986* (EP Act).

The application is to install and operate a mobile crushing plant within the Iguana Run of Mine (ROM) pads at the Lady Ida Project (the Project). The Project is approximately 66 km north-west of the nearest main town of Coolgardie. The Prescribed Premise is located within mining tenement M16/262 which is located within the Goldfields region of Western Australia ( Figure 1).

The premises relates to category 5: Processing or beneficiation of metallic or non-metallic ore and assessed production / design capacity under Schedule 1 of the *Environmental Protection Regulations 1987* (EP Regulations) which are defined in works approval W3140/2025/1. The infrastructure and equipment relating to the premises category and any associated activities which the department has considered in line with *Guideline: Risk Assessments* (DWER 2020) are outlined in works approval W3140/2025/1.

The Project lies within the Eastern Goldfields subregion (COO3) of the Coolgardie Bioregion. The region is actively explored and mined by numerous mining companies. The Project site is located adjacent to the Credo Conservation Park (LR3067/590) and Unallocated Crown Land (UCL). The Coolgardie Bioregion is considered to be semi-arid with cool winters and hot summers (BML, 2025).

The premises is located in an area of low rainfall, complex geology and on a major drainage divide. The water table in the Project area decreases from about RL 460 m (75 m below surface) along the drainage divide to about RL 400 m (10 m or less below surface along the drainage lines in the extreme east) (BML, 2025).

According to Aboriginal Cultural Heritage Register obtained from the Department of Planning, Lands and Heritage (DPLH) Aboriginal Cultural Heritage Inquiry System (ACHIS), there are no registered or lodged heritage sites within the prescribed premise boundary.

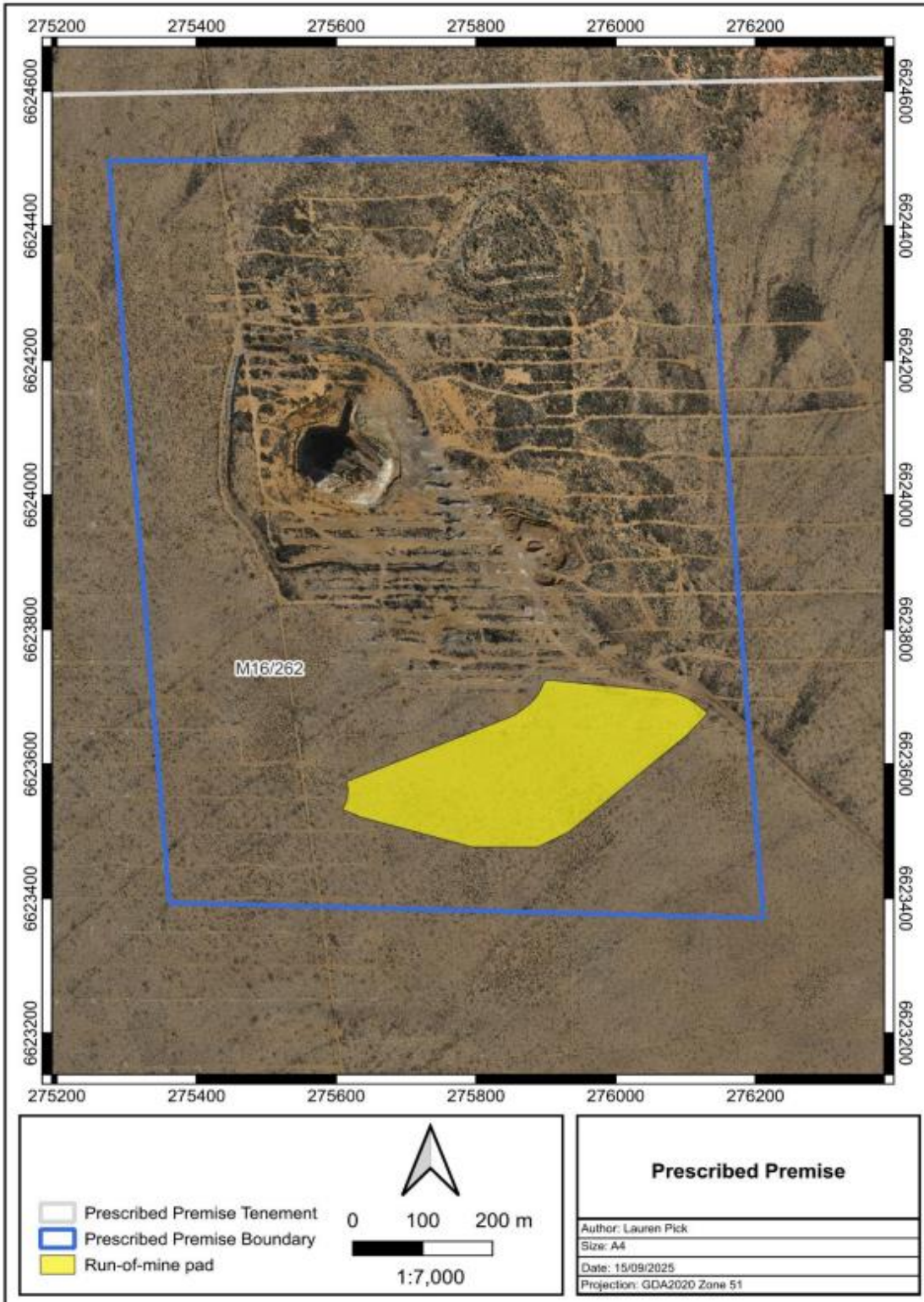


Figure 1: Proposed Prescribed Premises

### 2.3 Category 5 Activities

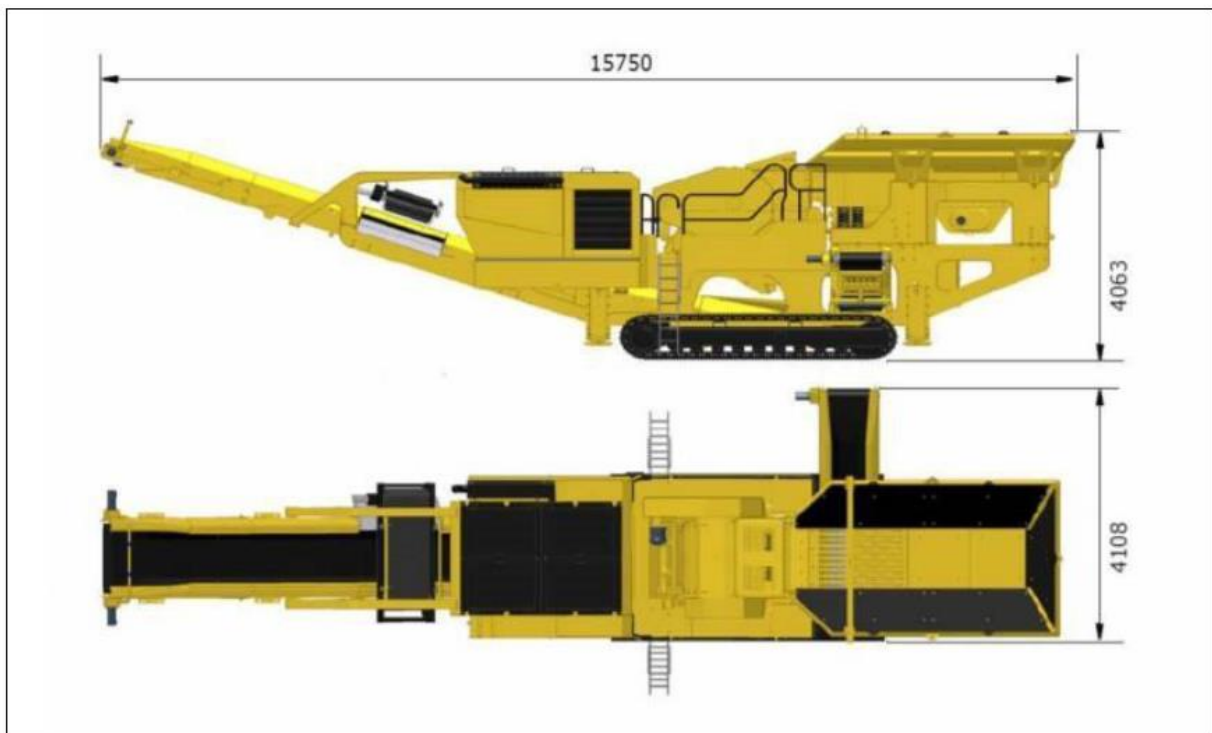
No construction activities are proposed as part of this application. The proposed works are limited to the placement of a single mobile crushing plant on the ROM pad. The mobile crushing plant is required to crush and screen ore for transport to the Jaurdi Gold Project processing plant which is owned and operated by Beacon Mining Pty Ltd. Ore will be stockpiled at the

Iguana ROM pad. Stockpiled ore will be fed through the mobile crushing plant and then transported to the Jaurdi Gold Project Processing Plant.

The operation will process a maximum of 1,200,000 tonnes of ore per annum over a five-year period. The crushing plant will be equivalent to the Sandvik Extec C12 mobile crushing plant (Figure 2). The project's final crushing plant configuration will be determined through the tender process; however, it is expected to maintain equivalent processing capacity and implement comparable environmental controls.

The expected mobile crushing plant specifications (Figure 2) are:

- CAT C9 engine (261kw Water Cooled)
- Hopper Capacity 8m<sup>3</sup>
- Reject Grid 4.25m Remote Tipping Grid
- Belt Feeder 1100mm
- Main Conveyor 1100mm
- Side Conveyors 800mm with moulded chevron belts
- Fines Conveyor 1200mm
- Machine Weight Wheeled – 46 Tonnes



**Figure 2: Sandvik Extec C12 mobile crushing plant (Expected)**

### 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 installation and operation which have been considered in this decision report are detailed in

Table 1 below.

Table 1 also details the control measures the applicant has proposed to assist in controlling these emissions, where necessary.

**Table 1: Proposed applicant controls**

Emission	Sources/Activities	Potential pathways	Proposed controls (BML, 2025)
<b>Installation</b>			
Dust	Installation of mobile screening and crushing plant	Air/windborne pathway	<ul style="list-style-type: none"> <li>Water cart use and vehicle speed restrictions on ROM pad</li> </ul>
<b>Operation</b>			
Dust	Crushing and screening operations Stockpiling ore	Air/windborne pathway	<ul style="list-style-type: none"> <li>Water sprays on stockpiles</li> <li>Dust covers will be fitted at the chute and water sprays will be used when required.</li> <li>Fogging suppression sprays will be fitted to the primary feed hopper, discharge chute.</li> <li>Dust suppression using a watercart will be used on the ore stockpile.</li> <li>Regular visual inspections and dust monitoring of mobile crushing plant to assess dust generation.</li> </ul>
Leaks and spills of hydrocarbons and/or chemicals		Infiltration into soil and groundwater	<ul style="list-style-type: none"> <li>Hydrocarbons will be managed and stored in self-bunding sea containers and portable bunding at an approved workshop at the Project.</li> <li>Hydrocarbon spills will be removed by absorbent material and/or excavation.</li> <li>Hydrocarbon contaminated soils will be excavated and transported offsite to a licenced facility for treatment.</li> <li>Groundwater is sufficiently deep, and plant is located on a built up ROM pad, to not provide a pathway for infiltration of contamination to groundwater.</li> </ul>
Sediment laden wastewater and stormwater	<p><b>Activities:</b></p> <ul style="list-style-type: none"> <li>Dust suppression, crushing, screening and stockpiles</li> </ul>	<ul style="list-style-type: none"> <li>Overland runoff</li> </ul>	<ul style="list-style-type: none"> <li>Earthen bunding (minimum 1m high) will be constructed surrounding the boundary of the ROM Pad to control runoff.</li> </ul>

#### 3.1.2 Receptors

In accordance with the *Guideline: Risk Assessment* (DWER 2020), the Delegated Officer has excluded the applicant’s employees, visitors, and contractors 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**

Environmental receptors	Distance from prescribed activity
Threatened and Priority Flora	Two priority flora species (P2 and P3) are located within 1 km from the proposed crushing and screening activities (Geocortex).
Native vegetation	Native vegetation is located immediately to the west, east and south of the proposed crushing and screening activities (Geocortex).
Credo Conservation Park	The premises are located adjacent (Within 200m) to the Credo Conservation Park (LR3067/590)
Underlying groundwater	<p>Premises is located within the Goldfields Groundwater Area proclaimed under <i>Rights in Water and Irrigation Act 1914</i>.</p> <p>Groundwater is considered saline at 14,000 to 35,000 mg/L Total Dissolved Solids (TDS) (DWER Geocortex).</p> <p>Groundwater is between approximately 75m to 10m below ground level across the Project.</p>

## 3.2 Risk ratings

Risk ratings have been assessed in accordance with the *Guideline: Risk Assessments* (DWER 2020) for each identified emission source 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 applicant 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 applicant's proposed controls to be critical to maintaining an acceptable level of risk, these will be incorporated into the works approval as regulatory controls.

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

Works approval W3140/2025/1 that accompanies this decision report authorises construction and time-limited operations. The conditions in the issued works approval, as outlined in Table 3 have been determined in accordance with *Guidance Statement: Setting Conditions* (DER 2015).

A licence is required following the time-limited operational phase authorised under the works approval to authorise emissions associated with the operation of the premises i.e. category 5; a mobile crushing plant at the Iguana Run of Mine (RoM) Pads. A risk assessment for the operational phase has been included in this decision report, however licence conditions will not be finalised until the department assesses the licence application.

**Table 3: Risk assessment of potential emissions and discharges from the premises during construction, and operation**

Risk events					Risk rating <sup>1</sup> C = consequence L = likelihood	Applicant controls sufficient?	Conditions <sup>2</sup> of works approval	Justification for additional regulatory controls / DWER comments
Sources / activities	Potential emission	Potential pathways and impact	Receptors	Applicant controls				
<b>Installation of mobile screening and crushing plant</b>								
Installation of mobile screening and crushing plant	Dust	<p><b>Pathway:</b></p> <ul style="list-style-type: none"> <li>Air/windborne pathway</li> </ul> <p><b>Impact:</b></p> <ul style="list-style-type: none"> <li>Reduced priority flora/native vegetation health or death</li> </ul>	Priority flora/native vegetation	Refer to Section 3.1.1	C = Slight L = Unlikely <b>Low Risk</b>	Y	N/A	Given the nature of the proposed works and the distance to receptors, the delegated officer does not expect dust emissions associated with the installation of the mobile crusher to impact on sensitive receptors.
<b>Operation (including time-limited-operations operations)</b>								
Crushing and screening operations Stockpiling ore	Dust	<p><b>Pathway:</b></p> <ul style="list-style-type: none"> <li>Air/windborne pathway</li> </ul> <p><b>Impact:</b></p> <ul style="list-style-type: none"> <li>Reduced priority flora/native vegetation health or death</li> </ul>	Priority flora/native vegetation Credo Conservation Park	Refer to Section 3.1.1	C = Moderate L = Possible <b>Medium Risk</b>	Y	Condition 6: Operational requirements	The delegated officer considers the dust controls proposed by the applicant and the distance to receptors are sufficient to manage the risk of dust emissions to sensitive receptors. Applicant's proposed controls have been included as conditions on the works approval.
	Leaks and spills of hydrocarbons and/or chemicals	<p><b>Pathway:</b></p> <ul style="list-style-type: none"> <li>Infiltration into soil</li> </ul> <p><b>Impact:</b></p> <ul style="list-style-type: none"> <li>Localised contamination of soil</li> </ul>	Soil	Refer to Section 3.1.1	C = Moderate L = Unlikely <b>Medium Risk</b>	Y	Condition 6: Operational requirements	All hydrocarbons to be managed and stored within self-bunding sea containers and/or portable bunding located at an approved workshop at the Project area. This proposed control is conditioned within the works approval.

Risk events					Risk rating <sup>1</sup> C = consequence L = likelihood	Applicant controls sufficient?	Conditions <sup>2</sup> of works approval	Justification for additional regulatory controls / DWER comments
Sources / activities	Potential emission	Potential pathways and impact	Receptors	Applicant controls				
Dust suppression, crushing, screening and stockpiles	Sediment laden water	<p><b>Pathway:</b></p> <ul style="list-style-type: none"> <li>Overland runoff</li> </ul> <p><b>Impact:</b></p> <ul style="list-style-type: none"> <li>Reduced priority flora/native vegetation health or death</li> </ul>	<p>Priority flora/native vegetation</p> <p>Credo Conservation Park</p>	Refer to Section 3.1.1	<p>C = Minor</p> <p>L = Unlikely</p> <p><b>Medium Risk</b></p>	Y	Condition 6: Operational requirements	Applicant's proposed controls have been included as conditions on the works approval.

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

Note 2: Proposed applicant 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
Application advertised on the department's website on 27 November 2025.	One public comment received on 12 December 2025, summarised within Appendix 1.	Refer to Appendix 1.
Local Government Authority: Shire of Coolgardie advised of proposal on 1 December 2025.	The Shire of Coolgardie replied on 11 December 2025.  The Shire has advised that, as the project is entirely located within a granted mining lease, it has no objection to the proposal. However, this approval does not authorise the closure of any dedicated or vested roads, as such closures require separate approval from the Shire of Coolgardie.	Noted.
<b>Other Stakeholders:</b> Marlinyu Goorlie Aboriginal Cooperation advised of proposal on 1 December 2025.	None received.	N/A
<b>Other Stakeholders:</b> Mt Burges Pastoral Lease advised of proposal on 4 November 2025.	None received.	N/A
Applicant was provided with draft documents on 16 January 2026.	Refer to Appendix 2.	Refer to Appendix 2.

## 5. Conclusion

Based on the assessment in this decision report, the delegated officer has determined that a works approval will be granted, subject to conditions commensurate with the determined controls and necessary for administration and reporting requirements.

## References

1. Beacon Minerals Limited (BML) 2025, *Application for works approval and operating licence, Iguana Mobile Crushing Plant*, Perth, Western Australia.
2. Department of Environment Regulation (DER) 2015, *Guidance Statement: Setting Conditions*, Perth, Western Australia.
3. Department of Water and Environmental Regulation (DWER) 2020, *Guideline: Environmental Siting*, Perth, Western Australia.
4. DWER 2020, *Guideline: Risk Assessments*, Perth, Western Australia.

## Appendix 1: Summary of public comments on the application during advertising period

Summary of public comments on application	Department's response
<p><b>1. Diesel exhaust and fugitive dust</b></p> <p>The proposal lists diesel exhaust and fugitive dust as the only sources and omits critical details such as quantitative emission factors, stack heights, and dispersion modelling results.</p> <p>While the supporting documentation notes that the nearest residential receptor is approximately 65 km away; suggesting negligible human exposure it fails to quantify the air-quality baseline for the broader region, including transient workers, wildlife, and vegetation. Furthermore, without a calibrated dispersion model (e.g., AERMOD), the assertion that 'there are no sensitive receptors within 65 km' cannot be verified.</p>	<p>Diesel emissions are outside the scope of DWER's assessment under Part V, Division 3 of the EP Act.</p> <p>Matters raised in submissions that are outside the scope of the assessment of this application or the provisions of Part V of the EP Act are not further addressed in this assessment.</p> <p>The nearest residential receptor is approximately 65 km away, providing a substantial buffer.</p> <p>Matters relating to dust emissions and the risk associated with it, as relevant to the risk assessment under Part V of the EP Act are detailed in section 3.</p> <p>The delegated officer considered the applicant's proposed controls regarding dust mitigation are adequate and proportionate to mitigate the assessed risks and have been conditioned in the works approval.</p>
<p><b>2. Noise</b></p> <p>Proposal makes claims that 'no noise impacts are anticipated' relies solely on distance. While distance reduces sound levels, low-frequency noise can travel further in open desert environments, and temporary worker camps may create localized noise issues.</p>	<p>The delegated officer considers the distance to the nearest sensitive receptor to be sufficient management for noise impacts. dust controls proposed by the applicant and the distance to receptors are sufficient to manage the risk of dust emissions to sensitive receptors.</p> <p>limited</p>
<p><b>3. Groundwater abstraction and Surface water Interaction</b></p> <p>The application proposes groundwater abstraction of 200,000 kL per annum, yet cumulative impacts on the modest aquifer recharge in a semi-arid climate are not assessed. Groundwater quality indicates suitability for irrigation but not potable use.</p> <p>Additionally, the claim that no drainage lines are near the Run of Mine (RoM) Pad does not eliminate the risk of sub-surface flow to the Rowles Lagoon catchment.</p> <p>A groundwater budget analysis and installation of piezometers for quarterly monitoring of drawdown and water quality are recommended.</p>	<p>Groundwater abstraction is outside the scope of DWER's assessment under Part V, Division 3 of the EP Act.</p> <p>Matters raised in submissions that are outside the scope of the assessment of this application or the provisions of Part V of the EP Act are not further addressed in this assessment.</p>
<p><b>4. Flora and Fauna</b></p> <p>The submission notes three Priority-3 plant species (<i>Acacia cylindrica</i>, <i>Calytrix creswellii</i>, <i>Homalocalyx grandiflorus</i>) within the project area but does not address post-fire recovery following the November 2024 bushfire or the potential for crushing operations to hinder regeneration through dust deposition or soil</p>	<p>Two Priority 3 (P3) species, <i>Calytrix creswellii</i> and <i>Homalocalyx grandiflorus</i>, were not considered in the assessment as they occur more than 6 km from the project area.</p> <p>Two other priority flora species, <i>Acacia cylindrica</i> (P3) and <i>Thysanotus</i> sp. <i>Yellowdine</i> (P2), were recorded within the project footprint and have been included in the risk assessment.</p>

Summary of public comments on application	Department's response
<p>compaction.</p> <p>While no threatened fauna were recorded, Peregrine Falcon and Malleefowl were observed; although current habitat lacks suitable Malleefowl nesting sites, future rehabilitation could inadvertently create conditions conducive to nesting.</p>	<p>The delegated officer considered the applicant's proposed controls regarding dust mitigation on priority flora are adequate and proportionate to mitigate the assessed risks for priority flora and have been conditioned in the works approval.</p> <p>Post-fire recovery measures are outside of the scope of assessment under Part V of the EP Act.</p> <p>Malleefowl has not been identified as a sensitive receptor due to the approved clearing zone extending 500 m beyond these activities and the lack of suitable nesting habitat to support Malleefowl</p>
<p><b>5. Hazardous Substances and Hydrocarbons</b></p> <p>Although the applicant states that no dangerous goods are required and hydrocarbons will be stored in self-bunding containers, the risk of accidental spillage from the mobile crusher's hydraulic system is not quantified. The risk matrix underestimates potential soil and groundwater contamination in a low-permeability, high-salinity setting.</p> <p>It is recommended to implement secondary containment (e.g., portable berms) around the crusher's hydraulic reservoir and develop a spill-response plan with immediate soil absorption testing and remedial action thresholds (e.g., TPH &gt; 50 mg/kg).</p>	<p>The delegated officer considers the applicant's proposed controls regarding hydrocarbons are adequate and proportionate to mitigate the assessed risks and have been conditioned in the works approval.</p>
<p><b>6. Rehabilitation</b></p> <p>The application commits to plant removal and RoM pad rehabilitation under the Mine Closure Plan; however, the plan lacks detail on target revegetation species, soil amendment strategies, and timelines for restoring pre-disturbance ecological function.</p> <p>It is recommended that rehabilitation success criteria (e.g., ≥70% native species cover within three years, inclusion of Priority flora) be defined and a detailed soil-amendment and seeding plan submitted to the regulator prior to commencement of works.</p>	<p>These matters are outside the scope of DWER's assessment under Part V, Division 3 of the EP Act.</p> <p>Matters raised in submissions that are outside the scope of the assessment of this application or the provisions of Part V of the EP Act are not further addressed in this assessment.</p>

## Appendix 2: Summary of applicant's comments on risk assessment and draft conditions

Condition	Summary of applicant's comment	Department's response
<p>Works Approval – Condition 1, Table 1</p> <p>Works Approval – Condition 6, Table 2</p> <p>Decision Report – Section 3.1 – Table 1</p>	<p>The Department requested the following information:</p> <p>Applicant to clarify methodology for dust suppression on the crushed ore stockpile.</p> <p><b>Applicant Response:</b> Dust suppression using a watercart will be used on the ore stockpile.</p>	<p>The department accepted the applicant's comment and conditioned in the Works Approval; conditions 1 and 6.</p>
<p>Works Approval – Condition 5</p>	<p>The Department requested the following information:</p> <p>The applicant is requested to confirm whether a 180-day period for time-limited operations (TLO) is satisfactory to enable continued operation during the assessment of the licence application. This confirmation is necessary as the applicant did not mention a request for a TLO under section 3.2 of the works approval application form.</p> <p><b>Applicant Response:</b> Confirmed 180-day period for time limited operations is sufficient.</p>	<p>The department accepted the applicant's comment and conditioned in the Works Approval.</p>
<p>Works Approval – Condition 6, Table 2</p> <p>Decision Report – Section 3.1 – Table 1</p> <p>Decision Report – Section 3.2 – Table 3</p>	<p>The Department requested the following information:</p> <p>Upon determination of water runoff additional requirements may be added.</p> <p><b>Applicant Response:</b> Earthen bunding (minimum 1m high) will be constructed surrounding the boundary of the ROM Pad to control runoff.</p>	<p>The department accepted the applicant's comment and conditioned in the Works Approval.</p>
<p>Works Approval – Table 3 - Definitions</p>	<p>The Department requested the following information:</p> <p>The applicant is requested to advise if they prefer an alternative annual reporting period instead of the 1 January to 31 December.</p> <p><b>Applicant Response:</b> The annual period from 1 January to 31 December is acceptable.</p>	<p>The department accepted the applicant's comment.</p>