



Application for Licence Amendment

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

Licence Number	L7774/2000/6
Licence Holder	Robe River Mining Co Pty Ltd
ACN	008 694 246
Application Number	APP-0029845
Premises	West Angelas Iron Ore Mine Legal description – AML70/248 (ML 248SA) Sections 71, 72 and 79. L47/50, L47/52, L47/53, L47/60, L47/409, L47/1183, L47/1224, L47/1027, L47/1028, E47/2963, E47/797 G47/1235 and G47/1236. As defined by the Premises maps attached to the Revised Licence/Works Approval
Date of Report	15/10/2025 (FINAL)
Decision	Revised licence granted

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1. Decision summary

Licence L7774/2000/6 is held by Robe River Mining Co Pty Ltd (Licence Holder) for the West Angelas Iron Ore Mine (the Premises), located at AML70/248 (ML 248SA) Sections 71, 72 and 79, L47/50, L47/52, L47/53, L47/60, L47/409, L47/1183, L47/1224, L47/1027, L47/1028, E47/2963, E47/797 G47/1235 and G47/1236..

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 L7774/2000/6 has been granted.

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 9 July 2025, the Works Approval Holder submitted an application to the department to amend Licence L7774/2025/6 under section 59 and 59B of the *Environmental Protection Act 1986* (EP Act). The following amendments are being sought:

- Update the premises boundary.
- Increase the storage volume for Category 73 by 400kL.
- Add Category 57.
- Update the listed Centre Pit South (CEPS) monitoring bores.

The Premises boundary is being amended to include Deposit H for future mining activity. For this amendment the modification is for the premises boundary only and mining will only take place after future application and approval.

The updates to the CEPS monitoring bores are to rename some bores that have recently been drilled and add an interim bore because one of the existing bores has a bent casing and is unable to be sampled.

This amendment is limited only to changes to Category 73 and 57 activities from the Existing Licence. No changes to the aspects of the existing Licence relating to Category 5, 12, 52, 54 and 64 have been requested by the Licence Holder.

Table 1 below outlines the proposed changes to the existing Licence.

Table 1: Proposed design changes

Category	Current capacity	Proposed design capacity	Description of proposed amendment
73	21,228 m ³ in aggregate	21,628 m ³ in aggregate	The licence holder is upgrading the fuel storage to increase the capacity by 400 m ³
57	Not applicable	5,000 tyres	The licence holder has applied to store used tyres in accordance with the Department of Fire and

			Emergency Service's (DFES) Guidance Note: GN02 Bulk storage of rubber tyres including shredded and crumbed tyres.
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2.3 *Environmental Protection and Biodiversity Conservation Act 1999 (Cth)*

Under the *Environmental Protection and Biodiversity Conservation Act* (EPBC Act), the Licence Holder was given approval (Decision Notice (DN) 2018/8299) to develop iron ore deposits C, D and G, and associated works and infrastructure at the existing West Angelas Iron Ore Mine.

2.4 *Part IV of the EP Act*

The West Angelas Iron Ore Project – Revised Proposal was assessed by the Environmental Protection Authority (EPA) and approved under MS 1113.

MS 1113 conditions relevant to this Amendment Report include:

- Condition 5-1 which requires the proponent implement the proposal to meet the following objectives:
 - (1) The proponent shall ensure there is no irreversible impact, as a result of the discharge of surplus water from the proposal, to the health of riparian vegetation of Turee Creek East;
 - (2) The proponent shall ensure that there is no direct or indirect disturbance to the West Angelas Cracking-Clays Priority Ecological Community (PEC), due to the proposal that results in an irreversible impact;
 - (3) The proponent shall ensure no more than 20 ha of direct or indirect disturbance due to the proposal to other representations of the West Angelas Cracking-Clays PEC;
 - (4) The proponent shall ensure that there is no disturbance due to the proposal to the potential maternity Ghost Bat roosts;
 - (5) The proponent shall minimise disturbance due to the proposal to other Ghost Bat roosts; and
 - (6) The proponent shall avoid where possible, or otherwise minimise the introduction to and spread of weeds due to the proposal within the West Angelas rail corridor.
- Condition 6-1 which relates to ensuring that there is no drawdown of groundwater associated with the proposal at the boundary of, or within Karijini National Park.
- Condition 10 which relates to Aboriginal Heritage.
- Attachment 3 of MS 1113 (Table 2) authorises the physical and operation elements of the revised proposal, and requires, for surplus water management, that *“dewatering water will be used onsite in the first instance to supply water for operational purposes. Surplus dewatering water, exceeding the operational requirement is discharged to a local ephemeral tributary of Turee Creek East. The surface discharge extent will not extend within 2 km of the boundary of Karijini National Park under natural no-flow conditions.”*

Requirements of MS 113 are not re-assessed in this Amendment Report and are not duplicated as conditions in the existing Licence.

EPA report 1784 is for an amendment to MS 1113 for the West Angelas Mine revised development envelope. The report was published on 25 June 2025. EPA Report 1784 and recommended conditions address the heritage sites, flora and fauna affected by the revised premises boundary.

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 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
Chemical release by loss of containment or accidental spill	Bulk storage of fuel and other chemicals	Direct discharge to land and impact on soils and groundwater. Overland flow or surface water runoff to sensitive surface water.	- All on-site hydrocarbon storage will comply with <i>AS1940:2004 The storage and handling of flammable and combustible liquids</i>. - Tanks are double skinned - All fuel transfer points, pipes and valves will be located within concrete bunds - Tank levels will be electronically monitored to prevent overflow - Regular inspection of the tanks will be carried out for the detection of leaks.
Gaseous emissions in the event of an accidental tyre fire	Storage of up to 5,000 tyres.	Air/windborne pathway causing impacts to health and amenity	- Used tyres will be stored in accordance with Department of Fire and Emergency Service's (DFES) <i>Guidance Note on the bulk storage of rubber tyres including shredded and crumbed tyres</i>. - External tyre storage areas will be level, clear of vegetation, rubbish and other combustible material to mitigate the risk of fire.
Chemical laden water runoff in the event of an accidental tyre fire	Storage of up to 5,000 tyres.	Direct discharge to land and impact on soils and groundwater. Overland flow or surface	- A firebreak at least 3 meters in width will be maintained around the boundary of external tyre storage areas. - Firefighting resources and water supply will be available to be able to extinguish

Emission	Sources	Potential pathways	Proposed controls
		water runoff to sensitive surface water.	an established fire in external tyre storage areas. A sump or bunding will be in place to collect any fire water to prevent contamination from spreading into the surrounding environment.

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
No human receptors	Not applicable
Environmental receptors	Distance from prescribed activity
Environmentally Sensitive Area <i>Registered National Estate (Object ID 4549 – Karijini National Park)</i>	Approximately 15 km west of the prescribed activities.
Threatened / Priority Ecological Communities <i>West Angelas Cracking-Clays (Priority 1)</i>	Within the prescribed premises boundary (central portion of the premises).
Threatened and/or Priority Flora 23 Priority species	Within the prescribed premises boundary.
Threatened and/or Priority Fauna Seven conservation significant species, Western pebble-mound mouse (<i>Pseudomys chapmani</i>) P4 has been recorded along the southern border of the CEPS and to the east.	Within the prescribed premises boundary.
Hydrology <i>Turee Creek (minor river)</i>	Within and outside prescribed premises boundary.
Groundwater	Groundwater level between 50 – 120 m below ground

	level with a relatively flat gradient from east to west for most of the area.
Native vegetation / riparian vegetation	Within the prescribed premises boundary.
Cultural receptors	Distance from activity / prescribed premises
Aboriginal heritage site	Closest site to Deposit G discharge location is an artefact scatter approximately 1 km north. Several artefact scatters are located within 1 km of CEPS amongst existing disturbance. 3 registered rock shelters adjacent to Deposit H and inside the proposed boundary extension.

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 L7774/2000/6 that accompanies this Amendment Report authorises emissions associated with the operation of the Premises.

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

Risk Event					Risk rating ¹ C = consequence L = likelihood	Licence Holder's controls sufficient?	Conditions ² of licence	Reasoning
Source/Activities	Potential emission	Potential pathways and impact	Receptors	Licence Holder's controls				
Operation								
Storage of up to 5,000 used tyres.	Smoke, including particulates and air emissions containing hydrocarbons and other toxic elements released in the event of a fire.	Air/windborne pathway causing impacts to health and amenity	Conservation significant fauna Priority flora and native vegetation	Refer to Section 3.1	C = Major L = Unlikely Medium Risk	Y	Condition 1 Condition 10	The delegated officer has found that the licence holders proposed control measures are sufficient to mitigate risk to the environment from the storage of tyres. These undertakings have been incorporated into condition 10 of the licencer
	Chemical laden surface water runoff in the event of an accidental tyre fire	Surface water runoff discharge to land and infiltration to groundwater.	Conservation significant fauna Priority flora and native vegetation	Refer to Section 3.1	C = Moderate L = Unlikely Medium Risk	Y		
Bulk storage of chemicals	Chemical release by loss of containment / accidental spill	Surface water runoff discharge to land and infiltration to groundwater.	Conservation significant fauna Priority flora and native vegetation	Refer to Section 3.1	C = Moderate L = Unlikely Medium Risk	Y	Condition 1	The delegated officer has found that the licence holders proposed control measures are sufficient to mitigate risk to the environment from the storage of chemicals. The storage and handling of chemicals is also subject to the <i>Dangerous Goods Safety Act 2004</i>

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
Local Government Authority advised of proposal 20/8/2025	None received	NA
Two Traditional Owner corporations affected notified of proposal on 20/8/2025	None received	NA
Licence Holder was provided with draft amendment on 24 September 2024	The Licence Holder replied on 10 October 2025 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
Cover page	Add additional mining tenements to the premises Insert category 57 into Prescribed premises categories table Change the design capacity maximum for Category 73
Licence History	Update to include this amendment
Condition 1	Insert Category 57 into design limits table and increase the design limit for Category 73 by 400 kL
Condition 10	Insert conditions for used tyre storage into Table 6
Condition 12	Amend names of CEPS monitoring bores in Table 8
Schedule 1	Revised Figure 1 showing new boundary. Revised Figure 8 showing CEPS monitoring bores
Schedule 2	Insert Category 57 infrastructure into Table 11

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

Condition	Summary of Licence Holder's comment	Department's response
10 and 18	The licence holder wishes to standardise licence conditions and asks to match the tyre storage conditions recently applied to L6820 (Mesa J). Please remove the following requirements: • Tyres should be stored in stacks that are no more than 60 m² and 3.7 m high; • Stacks of tyres should have a minimum spacing of 2.5 m between the base of each stack; and • There must be a minimum spacing of 18 m between every four stacks of tyres. This will be replaced with the requirement in the Annual Environmental Report to: A review of the tyre storage design and execution, including • variations from DFES Guidance Note GN02 • assessment of fire risk and • recommendations for any improvement	The delegated officer has reviewed the request and agreed to change the method of regulating tyre storage in the interest of standardising licence conditions (consistency with L6820 has been incorporated).
10	Remove the 4 Biomax units from the licence: • Production Hub Biomax C40 – 7.2 m³/day • Deposit C Park Up Biomax C10 -1.05 m³/day • Deposit D Park Up Biomax C10 – 1.05 m³/day • Primary Crusher Biomax C10 – 1.4 m³/day Because to low process limit volumes and the associated low or insignificant environmental risk.	Several irrigation spray fields are attached to these systems (see Figure 5 of the licence) and are listed as authorised discharge points in Condition 8. The listing of 'Biomax' systems will therefore be retained in the licence to ensure the cumulative volume of wastewater treatment systems is captured accurately and to authorise related discharges.

Condition	Summary of Licence Holder's comment	Department's response
12	Please align with Mesa J licence L6820 that was recently amended and include a reference that No sample required if monitoring bore is dry.	Note 4 has been added to Table 8 to say that no sampling is required if the monitoring bore is dry.