



Application for Licence Amendment

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

Licence Number	L8234/2008/2
Licence Holder	Robe River Mining Co. Pty Ltd
ACN	008 694 246
File Number	DER2014/000868-1
Premises	Mesa A Warramboe Iron Ore Mine ML248SA, G08/82, G08/85, G08/90, L08/166, L08/177 and L08/178 FORTESCUE WA 6716 As defined by the Premises map attached to the Revised Licence
Date of Report	21 November 2022
Decision	Revised licence granted

ALANA KIDD

A/SENIOR MANAGER, RESOURCE INDUSTRIES

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

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1. Decision summary

Licence L8234/2008/2 is held by Robe River Mining Co. Pty Ltd (Licence Holder) for the Mesa A Warramboe Iron Ore Mine (the Premises), located approximately 43 km west of Pannawonica.

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 L8234/2008/2 has been granted.

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 Amendment summary

On 11 July 2022, the Licence Holder submitted an application (Rio Tinto 2022a) to the department to amend Licence L8234/2008/2 under section 59 and 59B of the *Environmental Protection Act 1986* (EP Act). The following amendments are being sought:

- Operation of the Ore Processing Facility (OPF) infrastructure constructed under W6284/2019/1 (refer to section 2.2.1).
- Inclusion of category 6 and operation of the Warramboe Dewatering Discharge Point constructed under W6284/2019/1 (refer to section 2.2.2).
- Construction and operation of subsequent landfill facilities for the ongoing disposal of up to 1,000 tonnes of waste per annual period (refer to section 2.2.3).
- Expansion of the premises boundary (refer to section 2.2.4).

To note the construction of the category 64 landfill facilities and category 73 heavy vehicle refuelling facility assessed under W6284/2019/1 have been deferred (Rio Tinto 2022a).

2.2.1 OPF

Ore from above water table mining of the existing Mesa A and Warramboe deposits was processed in existing processing facilities at Mesa A. These facilities have been modified under W6284/2019/1 to allow for the processing of below water table (BWT) ore from Warramboe, Mesa B and Mesa C.

Run of Mine (ROM) ore is hauled to the existing Mesa A processing facilities and processed through the existing primary and secondary dry crushing facilities to produce high-grade product.

The existing train load out (TLO) feed conveyor was modified into two separate conveyors and a transfer station added to facilitate tie-in to the new wet processing facilities via a surge bin. The surge bin distributes ore between two outlet hoppers and discharges via apron feeders onto scrubber feed conveyors. The scrubber feed conveyors transport the ore to two scrubbing and screening streams, each stream includes:

- A scrubber feed chute;
- A scrubber assembly (sized to process a nominal 1,848 tonnes/hour);
- A double deck banana type scalping screen;
- Two single deck banana type product screens;
- Screen oversize chutes;
- Screen underflow hoppers; and
- Slurry pump and piping systems.

Underflow material from the scalping screen is pumped to the product screens. Underflow material from the product screens is pumped to the thickener facility. The flocculant mixing plant adds flocculant to the thickener to accelerate settlement of solids from the process water and includes a flocculant silo (with nominal two months storage capacity), mixing tank, flocculant storage tank and flocculant dosing pumps located in a separate concrete bunded area.

Final product is conveyed and stacked onto the existing TLO stockpiles for loading onto trains and railing to the Cape Lambert process plant for further processing before export.

To note: modifications to the OPF has not resulted in an increase in the approved category 5 design capacity of 35,000,000 tonnes per annual period under the existing licence.

Compliance reports for the OPF were received by the department on 23 August 2021 (Rio Tinto 2021a) and 22 October 2021 (Rio Tinto 2021d). A commissioning report was received by the department on 9 May 2022 (Rio Tinto 2022b).

2.2.2 Warramboe Dewatering Discharge Point

A discharge point and dewatering pipeline has been constructed to discharge up to 7 gegalitres (GL) of surplus water to Warramboe Creek annually.

Surplus water is delivered, via pipeline, to the Warramboe Creek discharge point at a maximum discharge rate of 290 litres per second.

Compliance reports for the discharge point and dewatering pipeline were received by the department on 27 August 2021 (Rio Tinto 2021b) and 10 December 2021 (Rio Tinto 2021e).

During this amendment category 6 has been included onto the licence as per Table 1.

Table 1: Proposed design capacity changes

Category	Current design capacity	Proposed design capacity	Description of proposed amendment
6	N/A	7,000,000 tonnes per annual period	Inclusion of the Warramboe Dewatering Discharge Point

2.2.3 Landfill facilities

The Licence Holder has requested the inclusion of category 64 on the licence. The Licence Holder has stated that *“to assist with ongoing site waste management, it is requested that conditions are included in Licence L8234/2008 for the management of subsequent waste dump and putrescible landfill facilities for the ongoing disposal of up to 1,000 tonnes of waste per annual period at the operations without requiring further amendments to Licence L8234/2008, subject to appropriate conditions to be considered as part of this application.”*

The department notes that the landfill facilities assessed under W6284/2019/1 have been deferred (Rio Tinto 2022a).

Under section 57 (2)(a)(ii) (A) of the EP Act works under a works approval must be completed prior to a licence application. This would require a compliance report for the landfill facilities to be submitted prior to the licence amendment application.

The subsequent licence amendment application could include the request for the construction and operation of waste dump and putrescible landfill facilities to be assessed.

The department has not included category 64 to the licence under this licence amendment.

2.2.4 Expansion of premises boundary

The Licence Holder has requested that the premises boundary be expanded under this licence amendment to incorporate the following tenure: G08/82, G08/85, G08/90, L08/166, L08/177 and L08/178.

The department has updated the premises boundary during this amendment.

2.2.5 Other amendments

During this amendment, the following changes have also been made:

- E-Sampler DMUMA5 has been removed and replaced with DMUMA8.
- Previous condition 2(a)(iv) now condition 3 under 'dust control system (iv)'. Reference to water-add system for CV-102 has been removed and CV-2201 has been included. *Rio Tinto 2022* states that "The water-add system on CV-102 has been removed as the material on CV-102 is wet processed in the recently commissioned OPF. A water-add system has been installed on CV-2201."
- Previous conditions 4 to 11 associated with the construction and commissioning of WWTP2 have been removed. Compliance documentation was received by the department on 7 August 2019 (Rio Tinto 2019b) and 1 February 2021 (Rio Tinto 2021c). A Commissioning Report was received 11 November 2019 (Rio Tinto 2019a).

2.3 Part IV of the EP Act

The Mesa A Hub – Revised Proposal was assessed by the Environmental Protection Authority (EPA) and approved under Ministerial Statement (MS) 1112.

- Condition 6 relates to implementing the *Mesa A Troglifauna Management Plan*.
- Condition 7 relates to Flora and Vegetation – Sand Sheet Vegetation (Robe Valley) Priority Ecological Community (PEC): ensuring there is no direct impact and/or minimising indirect impacts (as far as practicable) to the Sand Sheet Vegetation (Robe Valley) PEC so that the biological diversity and ecological integrity of the PEC is maintained.
- Condition 8 relates to Flora and Vegetation – Priority Flora: avoiding where possible and minimising direct and indirect impacts to *Abutilon* sp. Onslow (F.Smith s.n. 10/9/61).
- Condition 9 relates to Terrestrial Fauna Habitat – Conservation Significant Fauna Species; Ghost Bat (*Macroderma gigas*) and Northern Quoll (*Dasyurus hallucatus*): ensuring there is no irreversible impact to 'breakaways and gullies' habitat retained in the escarpments of Mesa A, Mesa B and Mesa C Mining Exclusion Zones, other than existing and authorised disturbance.
- Condition 10 relates to Subterranean Fauna – Troglifauna.
- Condition 11 relates to Inland Waters:
 - ensuring that groundwater levels are maintained to ensure no impact on riparian vegetation of the Robe River as a result of groundwater abstraction and/or

dewatering; and

- ensuring there is no irreversible impact to the health of riparian vegetation of Warrambo Creek as a result of groundwater abstraction and/or dewatering and/or as a result surplus water discharge.
- Schedule 1 of MS 1112 (Table 2) authorises the physical and operation elements of the revised proposal, and requires, for surplus water management, that “*controlled surface discharge from the proposal to extend along Warrambo Creek no further than 8 km downstream of the discharge point under natural no-flow conditions.*”
- Rehabilitation and decommissioning are also regulated by Condition 13 of MS 1112.

Requirements of MS 1112 are not re-assessed in this amendment report and are not duplicated as conditions in the existing licence.

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

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 (Rio Tinto 2022a)
Category 5: OPF			
Dust	Operation of the modified OPF Vehicle movements	Air/windborne	<ul style="list-style-type: none"> • Surge bins equipped with insertable reverse pulse dust collector (to maintain negative pressure within the surge bin). • Dust suppression sprays on the discharge chutes. • Load points from the surge bin onto each conveyor includes skirts and covers. • Dust suppression including use of water trucks, control of vehicle movements / restricted speeds implemented. • Regular inspection and maintenance to collect and remove material that may present a potential dust risk.

Emission	Sources	Potential pathways	Proposed controls (Rio Tinto 2022a)
Noise		Windborne and vibration	Compliance with the <i>Environmental Protection (Noise) Regulations 1997</i> .
Contaminated stormwater – hydrocarbons and sediment	Overland runoff	Direct discharges to land	<ul style="list-style-type: none"> OPF located on concrete hardstand bunding. Bunding to direct surface water around the facilities. Drive in sumps with concrete drying pads and water recycle sumps. Emergency dump pond to capture thickener discharge.
Category 6: Warramboos dewatering discharge point			
Dewatering water discharge	Mine dewatering discharge to Warramboos Creek	Direct discharge and path of flow	<ul style="list-style-type: none"> Flow meter to record discharge volumes. A rip rap apron at the outlet to manage potential erosion. Water quality monitoring.
Spill of dewatering water from rupture or leaks of dewatering pipeline	Transportation of dewater by pipeline		<ul style="list-style-type: none"> Windrow along the outside of the dewatering pipeline to provide secondary containment. Pipeline is located alongside an access road.

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.

The Mesa A Village is located within the prescribed premises as this Village is operated by the Licence Holder it will not be considered a sensitive receptor under this amendment.

Table 3 below provides a summary of potential 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: Environmental receptors and distance from prescribed activity

Environmental receptors	Distance from prescribed activity
PECs	<p>The following PECs are located within the prescribed premises:</p> <ul style="list-style-type: none"> • Priority 1 <i>Subterranean invertebrate communities of mesas in the Robe Valley region.</i> • Priority 1 <i>Subterranean invertebrate communities of pisolitic hills in the Pilbara.</i> • Priority 3 <i>Sand sheet vegetation (Robe Valley).</i>
Threatened and Priority Fauna	<p>Within approximately 1 km and within the Premises (managed under MS 1112) are:</p> <ul style="list-style-type: none"> • Northern quoll (<i>Dasyurus hallucatus</i>) – Endangered. • Pilbara Leaf-nosed Bat (<i>Rhinonicteris aurantia</i> (Pilbara form)) – Vulnerable. • Ghost Bat (<i>Macroderma gigas</i>) – Vulnerable. • Mesa A Paradraculoides (<i>Paradraculoides anachoretus</i>) – Vulnerable. • Mesa A Lagynochthonius pseudoscorpion (<i>Lagynochthonius asema</i>) - Priority 1. • Mesa B/C Paradraculoides (<i>Paradraculoides blythius</i>) – Vulnerable. • Fortescue grunter (<i>Leiopotherapon aheneus</i>) - Priority 4.
Vegetation and Flora	<p>The locally significant riparian communities of the Robe River and Warrambo Creek are located within and adjacent to the Premises (Rio Tinto 2022).</p> <ul style="list-style-type: none"> • <i>Abutilon</i> sp. Onslow (F. Smith s.n. 10/9/61) Priority 1, approximately 4 km west of the Premises boundary. • <i>Triodia pisoliticola</i> Priority 3 within the Premises. • <i>Rhynchosia bungarensis</i> Priority 4 within the Premises. • <i>Goodenia nuda</i> Priority 4 within the Premises.
Surface water	<p>The Robe River passes adjacent to the east and intersects the eastern boundary of the Premises.</p> <p>Warrambo Creek intersects the south-western portion of the Premises.</p> <p>Other minor ephemeral tributaries are located within the Premises.</p>
Proclaimed Groundwater and Surface Water Areas	<p>The Premises is located within the Proclaimed Pilbara Groundwater and Surface Water Areas.</p>

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 L8234/2008/2 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 for proposed amendments

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				
Operation								
Operation of the OPF Vehicle movements	Dust	Air dispersion causing a decline in vegetation health	PECs located within the Premises Locally significant riparian communities of the Robe River and Warramboob Creek are located within and adjacent to the Premises	Refer to Section 3.1	C = Moderate L = Unlikely Medium Risk	Y	Condition 2 – Infrastructure and equipment The general provisions of the EP Act with respect to the causing of pollution and environmental harm apply MS 1112 requires no direct impact and/or minimising indirect impacts (as far as practicable) to the Sand Sheet Vegetation (Robe Valley) PEC so that the biological diversity and ecological integrity of the PEC is maintained (refer to section 2.3)	Construction compliance documentation has been received which demonstrates that infrastructure has generally been constructed in accordance with infrastructure construction requirements conditioned under W6284/2019/1 Inclusion of condition 2 to ensure that all infrastructure is maintained in good working order
	Noise	Noise and vibration impacts on fauna	Conservation Significant Fauna Species	Refer to Section 3.1	N/A	N/A	The <i>Environmental Protection (Noise) Regulations 1997</i> apply MS 1112 condition 9 relates to Terrestrial Fauna Habitat	N/A
Overland runoff	Contaminated stormwater – hydrocarbons and sediment	Direct discharges to land causing contamination of soils due to presence of hydrocarbons and chemicals in	PECs located within the Premises Surface water Vegetation and	Refer to Section 3.1	C = Moderate L = Unlikely Medium Risk	Y	The Environmental Protection (<i>Unauthorised Discharges</i>) Regulations 2004 apply	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				
		stormwater	Flora					
Mine dewatering discharge to Warrambo Creek	Dewatering water discharge	Direct discharge causing alteration of creek water chemistry	Warrambo Creek Riparian vegetation	Refer to Section 3.1	C = Moderate L = Possible Medium Risk	N	<p><u>Condition 2 – Infrastructure and equipment</u></p> <p>Condition 4 – Authorised discharge point</p> <p>Condition 5 – Emission and discharge limits</p> <p><u>Condition 7 - dewatering discharge water quality monitoring</u></p> <p>MS 1112 conditions require (refer also to section 2.3):</p> <ul style="list-style-type: none"> • There is no irreversible impact to the health of riparian vegetation of Warrambo Creek as a result of groundwater abstraction and/or dewatering and/or as a result surplus water discharge. • That controlled surface discharge from the proposal to extend along Warrambo Creek no further than 8 km downstream of the discharge point under natural no-flow conditions. 	<p>Construction compliance documentation has been received which demonstrates that infrastructure has generally been constructed in accordance with infrastructure construction requirements conditioned under W6284/2019/1.</p> <p>Inclusion of condition 2 to ensure that all infrastructure is maintained in good working order.</p> <p>Inclusion of monitoring parameter Carbonate to condition 7.</p>

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				
Transportation of dewatering water by pipeline	Spill of dewatering water from rupture or leaks of dewatering pipeline	Direct discharge and/or seepage causing deterioration in soils and inundation of vegetation	Onsite vegetation, erosion, seepage and impact on vegetation	Refer to Section 3.1	C = Moderate L = Unlikely Medium Risk	Y	<u>Condition 2 – Infrastructure and equipment</u>	

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
Licence Holder was provided with draft amendment on 12/10/2022	Capacity of WWTP1 and WWTP2 provided. Licence Holder provided DWER with updated maps for the WWTP1 and WWTP2 sprayfields, location of infrastructure and discharge point to Warrambo Creek. The Licence Holder also provided updated Prescribed Premises boundary coordinates.	Noted. Licence updated.

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 amendment

Existing condition	Condition summary	Revised licence condition	Conversion notes
N/A	Premises	Premises details	Tenure updated as per Licence Holder's request under this amendment.
N/A	Prescribed Premises Category table	Prescribed Premises Category table	Revised to current licence format. Inclusion of category 6 – refer to section 2.2.2 and administrative updates. Design capacity of WWTP1 and WWTP2 updated.
N/A	Definitions	Table 8	Definitions have been moved to Table 8 in line with current licence format and updated as required.
N/A	N/A	Licence history	Included as per current licence format.
N/A	N/A	Interpretation	Included as per current licence format.
1	Mobile Crushing and Screening Plants	3	Previous condition 1 has been removed and is now covered under condition 3

Existing condition	Condition summary	Revised licence condition	Conversion notes
			for operational requirements for the mobile crushing and screening plant(s).
2(a)	Dust control	3	Previous condition 2(a) has been removed and is now covered under condition 3 for operational requirements for the dust control systems. During this amendment for (iv) CV-102 has been removed and CV-2201 included. Refer to section 2.2.5.
2(b)		10	Condition retained – administrative changes only.
3(a)	Dust monitoring	9	Condition retained – administrative changes only.
3(b)		13	Previous condition 3(b) has been removed and is now covered by condition 13 for reporting in the Annual Environmental Report.
4 to 7	Construction of WWTP2	N/A	Previous conditions 4 to 11 have been removed. Compliance and commissioning reports have been received by the department satisfying these conditions. Refer to section 2.2.5
8 to 11	Commissioning of WWTP2		
12	WWTP discharge to land	4	Previous condition 12 has been removed and is now covered by condition 4 as an authorised discharge point.
13		5	Previous condition 13 has been removed and is now covered under condition 5 for emission and discharge limits.
14	Treated effluent monitoring	7	Previous condition 14 has been removed and is now covered under condition 7 for monitoring of the WWTPs.
15		13	Previous condition 15 has been removed and is now covered under condition 13 for reporting in the Annual Environmental Report.
16		7 and 8	Previous condition 16 has been removed and is now covered under conditions 7 (Method) and 8 (NATA accredited laboratories).
17	Surface water – discharge outfall	5	Previous condition 17 has been removed and is now covered by

Existing condition	Condition summary	Revised licence condition	Conversion notes
			condition 5 for emission and discharge limits.
18	Disposal of biosolids and other residuals	6	Previous condition 18 has been removed and is now covered by condition 6 as a waste process specification.
19		3 and 9	Previous condition 19 is now covered by condition 3 (operational requirement) and condition 6 (waste process specification).
20		3	Previous condition 20 is now covered by condition 3 as an operational requirement.
21	Annual Environmental Report	13	Previous condition 21 has been removed and is now covered by condition 13 in line with the current licence format.
22	Annual Audit Compliance Report	12	Previous condition 22 has been removed and is now covered by condition 12 in line with the current licence format
N/A	Attachments 1 to 3	Schedule 1 Figures	Updated as required.
N/A	Production or design capacity limits	1	Inclusion of condition 1 to define premises category limits for the licence.
N/A	Infrastructure and equipment	2 and Schedule 3 (Table 10)	Inclusion of condition 2 to ensure all infrastructure and equipment associated with a category and/or activity on the licence are maintained and operated in good working order.
N/A	Authorised discharge points	4	During this amendment condition 4 has been included for all authorised discharge points (for mine dewatering and treated sewage) and associated locations defined by Schedule 1 Figures.
N/A	Emission and discharge limits	5	During this amendment the Warrambo Creek discharge point with a discharge limit of 7 GL/a as been added to the licence. This is consistent with that assessed and approved under W6284/2019/1.
N/A	Waste processing	6	During this amendment the design capacity of WWTP1 and WWTP2 has been included under process limits.

Existing condition	Condition summary	Revised licence condition	Conversion notes
N/A	Emissions and discharge monitoring	7	During this amendment water quality monitoring from the Warrambo Creek discharge point has been included.
N/A	Monitoring	8	Included as per current licence format.
N/A	Records and reporting	11	Included as per current licence format for complaints.
N/A		14	Included as per current licence format.
N/A		15	Included as per current licence format.
N/A	Maps	Schedule 1	Figures updated as required.
N/A	Premises boundary	Schedule 2	Coordinates for the premises boundary included.

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.
4. Rio Tinto 2019a, *Commissioning Report – Operating Licence L8234/2008/2 Mesa A / Warrambo Iron Ore Mine – Mesa A Hub WWTP2* (RTIO-HSE-0337323), received 11 November 2019 (DWERDT222552).
5. Rio Tinto 2019b, *Compliance Statement – Operating Licence L8234/2008/2 Mesa A / Warrambo Iron Ore Mine – Mesa A Hub WWTP2* (RTIO-HSE-0335097), received 7 August 2019 (DWERDT186927).
6. Rio Tinto 2021a, *Compliance Statement – Works Approval W6284/2019/1 Mesa A/Warrambo Iron Ore Mine – W6284/2019/1 Ore Processing Facility* (RTIO-HSE-0355457), received 23 August 2021 (DWERDT494124).
7. Rio Tinto 2021b, *Compliance Statement – Works Approval W6284/2019/1 Mesa A/Warrambo Iron Ore Mine – W6284/2019/1 Waste Fines Pipeline, Dewatering Pipeline and Discharge Point* (RTIO-HSE-0355565), received 27 August 2021 (DWERDT496719).
8. Rio Tinto 2021c, *Licence L8234/2008/2 Mesa A / Warrambo Amendment Conditions 4-7 Waste Water Treatment Plant (WWTP) 2 Compliance Report – Addendum #1* (RTIO-HSE-0349733), received 1 February 2021 (DWERDT407497).
9. Rio Tinto 2021d, *Mesa A / Warrambo Works Approval W6284/2019/1 – Response to Compliance for Conditions 1, 6 and 7 Construction Compliance Documentation Ore Processing Facility* (RTIO-HSE-0356553), received 22 October 2021 (DWERDT518944).
10. Rio Tinto 2021e, *Mesa A / Warrambo Works Approval W6284/2019/1 – Response to Conditions Compliance Document Waste Fine Pipeline* (RTIO-HSE-0357345), received 10 December 2021 (DWERDT537226).

11. Rio Tinto 2022a, *Mesa A Licence Amendment Application – L8234/2008/2*, received 11 July 2022 (DWERDT629498).
12. Rio Tinto 2022b, *Ore Processing Facility Commissioning Report, Mesa A/Warramboe Iron Ore Mine – W6284/2019/1* (RTIO-HSE-0359499), dated 6 May 2022 (DWERDT600386).

Appendix 1: Application validation summary

SECTION 1: APPLICATION SUMMARY				
Application type				
Amendment to licence	<input checked="" type="checkbox"/>	Current licence number:	L8234/2008/2	
		Relevant works approval number:	W6284/2019/1	N/A
Date application received		11 July 2022		
Applicant and Premises details				
Applicant name/s (full legal name/s)		Robe River Mining Co. Pty Ltd		
Premises name		Mesa A/ Warramboe Iron Ore Mine		
Premises location		State Agreement Mining Lease ML248SA General Purpose Leases G08/82, G08/85 and G08/90 and Miscellaneous Licences L08/166, L08/177 and L08/178		
Local Government Authority		Shire of Ashburton		
Application documents				
HPCM file reference number:		DER2014/000868-1~5		
Key application documents (additional to application form):		Attachment 1A: Proof of occupier status Attachment 1C: Authorisation to act as a representative of the occupier Attachment 2: Premises Maps Attachment 3: Coordinates of the Prescribed Premise boundary Attachment 8: Licence Amendment Application Supporting Document		
Scope of application/assessment				
Summary of proposed activities or changes to existing operations.		<p>Ongoing operation of the facilities detailed in W6284/2019/1. The Stage 1 Licence amendment application requests the following:</p> <ul style="list-style-type: none"> • Category 5: Processing of ore (35,000,000 tonnes per annual period) – ongoing operation of the Ore Processing Facility (OPF) infrastructure; • Category 6: Dewatering discharge (7,000,000 tonnes per annual period) – ongoing operation of the Warramboe Dewatering Discharge Point; • Category 64: Landfill facilities (1,000 tonnes per annual period) – construction and operation of subsequent landfill facilities for the ongoing disposal of up to 1,000 tonnes of wastes per annual period at the operations; and • Administrative amendments <ul style="list-style-type: none"> – Update to the name and location of premises for the inclusion of additional tenure – Update to Attachment 1, Plan of premises to include the amendment to the existing prescribed premises boundary – Update to Attachment 2, indicative dust monitoring locations to reflect changes to the dust monitoring stations. The E-Sampler DMUMA5 has been removed and replaced with DMUMA8 – Amendment to dust control condition 2(a) (iv) water-add systems – Removal of construction and commissioning of WWTP2 conditions 4 to 11. 		

Note: The Stage 2 Licence Amendment Application to incorporate the Warrambo WFSF is proposed for submission in late Q3 2022.

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 5: Processing or beneficiation of metallic or non-metallic ore	35,000,000 tonnes per year	No change
Category 6: Mine dewatering	N/A	7,000,000 tonnes per annual period Transferred from W6284/2019/1
Category 12: Screening, etc. of material	10,000,000 tonnes per year	No change
Category 54: Sewage facility	341 cubic metres per day	No change
Category 64: Class II putrescible landfill site	N/A	Not included under this licence amendment as construction and compliance under W6284/2019/1 has not been demonstrated

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 No	Referral decision No: Managed under Part V Assessed under Part IV
Does the applicant hold any existing Part IV Ministerial Statements relevant to the application?	Yes No	Ministerial statement No: MS 1112 EPA Report No: 1640
Has the proposal been referred and/or assessed under the EPBC Act?	Yes No	Reference No: 2016/7843 The Proposal was determined to be a controlled action under the EPBC Act and was assessed under an accredited assessment between the Commonwealth and Western Australian governments
Has the applicant demonstrated occupancy (proof of occupier status)?	Yes No	Certificate of title General lease Expiry: 11/2040 Mining lease / tenement Expiry: 11/2040 Other evidence Expiry:
Has the applicant obtained all relevant planning approvals?	Yes No N/A	Approval: Expiry date: If N/A explain why?

Has the applicant applied for, or have an existing EP Act clearing permit in relation to this proposal?	Yes No	CPS No: 6689
Has the applicant applied for, or have an existing CAWS Act clearing licence in relation to this proposal?	Yes No	Application reference No: N/A Licence/permit No: N/A
Has the applicant applied for, or have an existing RIWI Act licence or permit in relation to this proposal?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Licence/permit No: GWL162500
Does the proposal involve a discharge of waste into a designated area (as defined in section 57 of the EP Act)?	Yes No	Name: Pilbara Type: Proclaimed Groundwater Area and Surface Water Area Has Regulatory Services (Water) been consulted? Yes No N/A Regional office: North West
Is the Premises situated in a Public Drinking Water Source Area (PDWSA)?	Yes No	Name: N/A Priority: N/A Are the proposed activities/ landuse compatible with the PDWSA (refer to WQPN 25)? Yes No N/A
Is the Premises subject to any other Acts or subsidiary regulations (e.g. <i>Dangerous Goods Safety Act 2004, Environmental Protection (Controlled Waste) Regulations 2004, State Agreement Act xxxx</i>)	Yes No	<i>Iron Ore (Robe River) Agreement Act 1964</i> <i>Land Administration Act 1997</i> <i>Environmental Protection (Unauthorised Discharges) Regulations 2004</i>
Is the Premises within an Environmental Protection Policy (EPP) Area?	Yes No	N/A
Is the Premises subject to any EPP requirements?	Yes No	N/A
Is the Premises a known or suspected contaminated site under the <i>Contaminated Sites Act 2003</i> ?	Yes No	Classification: N/A Date of classification: N/A