

Environmental Protection Authority

EPA REFERRAL FORM

Referral of a Proposal to the Environmental Protection Authority under Section 38 of the *Environmental Protection Act* 1986.

PURPOSE OF THIS FORM

Section 38 of the *Environmental Protection Act 1986* (EP Act) makes provision for the referral to the Environmental Protection Authority (EPA) of a proposal (significant proposals, strategic proposals and proposals under an assessed scheme) by a proponent, a decision making authority (DMA), or any other person.

The purpose of this form is to ensure that EPA has sufficient information about a proposal to make a decision about the nature of the proposal and whether or not the proposal should be assessed under Part IV of the EP Act. Information provided in the referral form must be brief (no more than 30 pages), sharp and succinct to achieve the purposes of this form.

This form does not prevent the referrer from providing a supplementary referral report. Should a referrer choose to submit a supplementary referral report please ensure the following.

- i. Information is short, sharp and succinct.
- ii. Attachments are below eight megabytes (8 MB) as they will be published on the EPA's website (exemptions apply) for public comment. To minimise file size, "flatten" maps and optimise pdf files.
- iii. Cross-references are provided in the referral form to the appropriate section/s in the supplementary referral report.

This form is to be used for all proposals¹ which can be referred to the EPA under section 38 of the EP Act; i.e. referrals from: **proponents** of proposals (significant proposals, strategic proposals, derived proposals, proposals under an assessed scheme); **DMAs** (significant proposals); and **third parties** (significant proposals).

This form is divided into several sections, including; Referral requirements and Declaration; Part A - Information of the proposal and proponent; and Part B Environmental Factors. Guidance on successfully completing this form is provided throughout the form and is also available in the EPA's Environmental Assessment Guideline for Referral of a Proposal under s38 of the EP Act (EAG 16).

Send completed forms to

Office of the Environmental Protection Authority Locked Bag 10, East Perth WA 6892

or

Email: Registrar@epa.wa.gov.au

Enquiries

Office of the Environmental Protection Authority Locked Bag 10, East Perth WA 6892 Telephone: 6145 0800

Fax: 6145 0895

Email: <u>info@epa.wa.gov.au</u> Website: <u>www.epa.wa.gov.au</u>

¹ Please note that this form consolidates and replaces the following forms: Referral of a Proposal by the Proponent to the EPA under section 38(1) of the EP Act; Referral of a Proposal by a third party to the EPA under section 38(1) of the EP Act; and Referral of a development proposal to the EPA by the decision making authority.

Referral requirements and Declaration

The following section outlines the referral information required from a proponent, decision making authority and third party.

(a) Proponents

Proponents are expected to complete all sections of the form and provide GIS spatial data to enable the EPA to consider the referral. Spatial GIS data is necessary to inform the EPA's decision.

The EPA expects that a proponent will address Part B of the form as thoroughly as possible to demonstrate whether or not the EPA's objectives for environmental factors can be met.

If insufficient information is provided the EPA will request more information and processing of the referral will commence once the information is provided or the EPA decides to make a precautionary determination on the available information.

Proponent to complete before submitting form	
Completed all the questions in Part A (essential)	⊠ Yes □ No
Completed all the questions in Part B	⊠ Yes □ No
Completed all other applicable questions	⊠ Yes □ No
Included Attachment 1 – any additional document(s) the proponent wishes to provide	⊠ Yes □ No
Included Attachment 2 – confidential information (if applicable)	☐ Yes ☑ No (not applicable)
Enclosed an electronic copy of all referral information, including spatial data and contextual mapping but clearly separating any confidential information	⊠ Yes □ No
Completed the Declaration	⊠ Yes □ No
What is the type of proposal being referred? * a referred proposal seeking to be declared a derived proposal	SignificantStrategic☐ derived*☐ under an assessed scheme
Do you consider the proposal requires formal environmental impact assessment?	⊠ Yes □ No
If yes, what level of assessment? API = Assessment of Proponent Information PER = Public Environmental Review	☐ API Category A ☐ API Category B ☑ PER

NB: The EPA may apply an Assessment on Proponent Information (API) level of assessment when the proponent has provided sufficient information about:

- the proposal;
- the proposed environmental impacts;
- the proposed management of the environmental impacts; and
- when the proposal is consistent with API criteria outlined in the <u>Environmental Impact</u> <u>Assessment (Part IV Division 1 and 2) Administrative Procedures 2012.</u>

If an API A formal level of assessment is considered appropriate, please refer to Environmental Assessment Guideline No. 14 *Preparation for an Assessment on Proponent Information (Category A) Environmental Review Document EAG 14* (EAG14).

Declaration

I, Kellie Parker, declare that I am authorised on behalf of Robe River Mining Co. Pty. Ltd. (being the person responsible for the proposal) to submit this form and further declare that the information contained in this form is true and not misleading.

Signature	GM2	Name (print) Kel	lie Parker	
Position	Managing Director	Organisation	Robe River	r Mining Co. Pty.
Email				
Address	152-158	St Georges Tce		
	Perth		WA	6000
Date	14/11/16			

(b) Decision-making authority

The EPA expects decision-making authorities to complete applicable sections of Part A of the form and provide the proponent an opportunity to provide additional information in Part B of the form where appropriate.

Wherever possible the DMA should obtain relevant spatial information from the proponent and provide this to the EPA with the referral.

DMA to comp	olete before submi	tting form			
Completed all the questions in Part A (essential)				☐ Ye:	s No
Provided Part	B to the proponent	for completion		☐ Yes	s No
Completed all	other applicable qu	estions		☐ Yes	s 🗌 No
Included Attac	chment 1 – any supp	oorting information		☐ Yes	s 🗌 No
	electronic copy of all ial data and context	referral information, ual mapping		☐ Yes	s 🗌 No
Completed the	e below Declaration			☐ Yes	s 🔲 No
Do you consider the proposal requires formal environmental impact assessment?				☐ Yes	s □ No
What is the ty	pe of proposal being	g referred?		_ significant ∣	proposal
				significant an assesse	proposal under ed scheme
Declaration I, consideration o	f the environmental	, <i>(full name)</i> sul significance of its impacts	bmit thi	is referral to	the EPA for
Signature		Name (print)			
Position		Organisation			
Email				·	
Address	Street No.	Street Name			
	Suburt		State		Postcode
Date					

(c) Third Party

Third parties are asked to have consideration for the Significance Test outlined in Part A Section 1.5 of this form before referring a significant proposal to the EPA. The EPA will only consider proposals that are likely, if implemented, to have a significant effect on the environment.

Third parties are to provide sufficient information to clearly identify the significant proposal, the proponent, and their reasons for referring the proposal. This can be done by completing as much of Part A of the form as possible, taking into consideration the information available. Third parties may wish to fill in Part B of the form to advance their own views of the significance of the environmental impacts and the need for EPA assessment.

In most cases the EPA will seek additional information from the proponent. This will be to confirm or amend the identity of the proponent, the proposal, and to allow the proponent opportunity to provide its views on the significance of the environmental impacts and the need for EPA assessment.

Third Party	to complete before su	ubmitting form		*	
Complete all applicable questions in Part A and B		☐ Yes	☐ No		
Completed the	he Declaration			☐ Yes	☐ No
Do you cons assessment		res formal environmenta	l impact	☐ Yes	□No
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, <i>(full name)</i> subignificance of its impacts Name (print)		erral to the	e EPA for
Email		· · · · · · · · · · · · · · · · · · ·			
Position		Organisation			
Address	Street No	Street Name			
***************************************	Solvety		State	Po	stcode
Date				<u> </u>	

PART A: Information on the proposal and the proponent

All fields of Part A must be completed by the proponent and/or decision-making authority for this document to be processed as a referral. Third party referrers are only expected to fill in the fields they have information for.

1 PROPONENT AND PROPOSAL DESCRIPTION

1.1 The proponent of the proposal

Name of the proponent	Robe River Mining Co. Pty. Ltd
Joint Venture parties (if applicable)	Joint Venture Ownership is: Robe River Mining Co. Pty Ltd (30% share) North Mining Limited (35% share) Mitsui Iron Ore Development Pty Ltd (20% share) Cape Lambert Iron Associates, a partnership carried on by Nippon Steel & Sumitomo Metal Australia Pty Ltd, Nippon Steel & Sumikin Resources Australia Pty Ltd and Mitsui Iron Ore Development Pty Ltd (5% share) Pannawonica Iron Associates, a partnership carried on by Nippon Steel & Sumitomo Metal Australia Pty Ltd, Nippon Steel & Sumikin Resources Australia Pty Ltd (10% share)
Australian Company Number(s)	008 694 246
Postal Address	
(Where the proponent is a corporation or an association of persons, whether incorporated or not, the postal address is that of the principal place of business or of the principal office in the State)	GPO Box A42 Perth, WA 6837
Key proponent contact for the proposal Please include: name; physical address; phone; and email.	Fiona Bell Senior Advisor Environmental Approvals Rio Tinto 152-158 St Georges Tce, Perth WA, 6000 GPO Box A42, Perth WA 6000 Telephone: (08) 6213 0123 Email: fiona.bell@riotinto.com
Consultant for the proposal (if applicable)	Email: nona.beii@nounto.com
Please include: name; physical address; phone; and email.	Not applicable

1.2 Proposal

Proposal is defined under the EP Act to mean a "project, plan, programme policy, operation, undertaking or development or change of land use, or amendment of any of the foregoing, but does not include scheme". Before completing this section please refer to Environmental Protection

Bulletin 17 – Strategic and derived proposals (EPB 17) and Environmental Assessment Guideline for Defining the Key Characteristics of a proposal (EAG 1).

Proponent and/or DMA to complete	
Title of the proposal	Mesa A Hub Proposal
What project phase is the proposal at?	☐ Scoping☐ Feasibility☐ Detailed design☒ Other Pre-feasibility
Proposal type More than one proposal type can be identified, however for filtering purposes it is recommended that only the primary proposal type is identified.	Power/Energy Generation Hydrocarbon Based – coal Hydrocarbon Based – gas Waste to energy Renewable – wind Renewable – wave Renewable – solar Renewable – geothermal
	 ✓ Mineral / Resource Extraction ☐ Exploration – seismic ☐ Exploration – geotechnical ✓ Development
	☐ Oil and Gas Development ☐ Exploration ☐ Onshore — seismic ☐ Onshore — geotechnical ☐ Onshore — development ☐ Offshore — seismic ☐ Offshore — geotechnical ☐ Offshore — development
	☐ Industrial Development ☐ Processing ☐ Manufacturing ☐ Beneficiation
	☐ Land Use and Development ☐ Residential — subdivision ☐ Residential — development ☐ Commercial — subdivision ☐ Commercial — development ☐ Industrial — subdivision ☐ Industrial — development ☐ Agricultural — subdivision ☐ Agricultural — development ☐ Tourism
	☐ Linear Infrastructure ☐ Rail ☐ Road ☐ Power Transmission

Proponent and/or DMA to complete	
	☐ Water Distribution☐ Gas Distribution
	Pipelines
	☐ Water Resource Development ☐ Desalination ☐ Surface or Groundwater ☐ Drainage ☐ Pipelines ☐ Managed Aquifer Recharge
	☐ Marine Developments
	☐ Port ☐ Jetties ☐ Marina ☐ Canal ☐ Aquaculture ☐ Dredging
	If other, please state below:
Proponent and/or DMA to complete	
Description of the proposal – describe the key characteristics of the proposal in accordance with EAG 1.	The Proponent is seeking to extend the life of the existing Mesa A Operation located approximately 43 km west of Pannawonica in the Pilbara region of Western Australia.
	The Proposal includes development of additional mine pits and associated infrastructure, water treatment facilities, processing facilities and water management infrastructure as well as expansion of existing mine pits, waste dumps and associated infrastructure.
	The preliminary key characteristics of the Proposal are provided in Table 4-2 of the Environmental Review Document.
Timeframe in which the proposal is to occur (including start and finish dates where applicable).	Under the current project schedule, construction activities are planned to commence in Quarter 4, 2018 once all required internal and external approvals are granted.
Details of any staging of the proposal.	Not applicable
What is the current land use on the property, and the extent (area in hectares) of the property?	Existing land uses in the Proposal Area include pastoral activities (Yarraloola Station), mineral exploration, mining activities and traditional owner activities such as camping, fishing and hunting. Existing tenure in and near the Proposal Area is shown in Figure 2-1 of the Environmental Review Document.

Proponent and/or DMA to complete		
Have pre-referral discussions taken place with the OEPA?	Pre-referral meeting held on 10 May 2010 Attendees: Peter Tapsell (OEPA), Grant	
If yes, please provide the case number. If a case number was not provided, please state the date of the meeting and names of attendees.	O'Donoghue (RTIO), Peter Royce (RTIO), Fiona Bell (RTIO).	
DMA (Responsible Authority) to complete		
For a proposal under an assessed scheme (as defined in section 3 of the EP Act, applicable only to the proponent and DMA) provide details (in an attachment) as to whether:		
 The environmental issues raised by the proposal were assessed in any assessment of the assessed scheme. 		
 The proposal complies with the assessed scheme and any environmental conditions in the assessed scheme. 		

1.3 Strategic / derived proposals

Complete this section if the proposal being referred is a strategic proposal or you are seeking the proposal to be declared a derived proposal. Note: Only a proponent may refer a strategic proposal and seek a proposal to be declared a derived proposal.

Proponent to complete	
Is this referred proposal a strategic proposal?	☐ Yes No
Are you seeking that this proposal be declared a derived proposal?	☐ Yes ⊠ No
If you are seeking that this proposal be declared a derived proposal, what is the Ministerial Statement number (MS #) of the associated strategic proposal?	Not applicable

1.4Location

Proponents and DMAs must provide spatial data. Please refer to <u>EAG 1</u> for more detail.

Proponent, DMA and Third Party to complete	
Name of the Local Government Authority in which the proposal is located.	Shire of Ashburton
Location: a) street address; lot number; suburb; and nearest road intersection; or b) if remote the nearest town; and distance and direction from that town to the proposal site.	43 km west of Pannawonica (refer to Figure 1-1 of the Environmental Review Document)
Have maps and figures been included with the referral (consistent with EAG 1 where appropriate)? The types of maps and figures which need to be provided (depending on the nature of the proposal) include: • maps showing the regional location and context of the proposal; and • figures illustrating the proposal elements.	 ✓ Yes ☐ No The following maps are included in the Environmental Review Document: Figure 1-1: Regional location Figure 2-1: Existing tenure near the Development Envelope Figure 4-1: Indicative conceptual mine layout
Proponent and DMA to complete	
Have electronic copies of spatial data been included with the referral?	⊠ Yes □ No
NB: Electronic spatial (GIS or CAD) data, geo-referenced and conforming to the following parameters:	
 GIS: polygons representing all activities and named; CAD: simple closed polygons representing all activities and named; datum: GDA94; projection: Geographic (latitude/longitude) or Map Grid of Australia (MGA); format: ESRI geodatabase or shapefile, MapInfo Interchange Format, Microstation or AutoCAD 	

1.5 Significance test and environmental factors

Proponent, DMA and Third Party to co	mplete
What are the likely significant environmental factors for this proposal?	☐ Benthic Communities and Habitat ☐ Coastal Processes
	☐ Marine Environmental Quality☐ Marine Fauna
	Subterranean Fauna

Proponent, DMA and Third Party to complete		
	☐ Terrestrial Environmental Quality	
	☑ Terrestrial Fauna	
	⊠ Hydrological Processes	
	☐ Inland Waters Environmental Quality	
	☐ Air Quality & Atmospheric Gases	
	Amenity	
	☐ Heritage	
	☐ Human Health	
	⊠ Offsets	
	⊠ Rehabilitation and Decommissioning	
Having regard to the Significance Test (refer to Section 7 of the <i>EIA</i>	The Proposal may have a significant effect on the environment in the following ways:	
Administrative Procedures 2012) in what ways do you consider the proposal may have a significant effect on the	 Clearing of approximately 2500 ha of native vegetation generally in Good to Excellent condition; 	
environment and warrant referral to the EPA?	 Removal of troglofauna habitat as a consequence of mining; 	
	Dewatering of mine pits; and	
	Discharge of surplus water.	
or subject to the Freedom of Information Act 199	92.	
Proponent to complete		
Does the proponent request that the EPA treat any part of the referral information as confidential?	☐ Yes ⊠ No	
Ensure all confidential information is provided a separate attachment in hard copy.	in	
2 REGULATORY CONSIDERATIONS This section applies to the Local, State and Commonwealth regulatory considerations for the referred proposal. 2.1 Government approvals 2.1.1 State or Local Government approvals		
DMA to complete		
What approval(s) is (are) required from you as decision-making authority?	a	
Is rezoning of any land required before the proposal can be implemented?	ne Yes No	
If yes, please provide details.		

2.1.2 Regulation of aspects of the proposal

Complete the following to the extent possible.

Proponent to complete		
Do you have legal access required for the implementation of all aspects of the proposal?		
If yes, provide details of legal access authorisations / agreements / tenure.	☐ Yes ☐ No Legal access over much of the	
If no, what authorisations / agreements / tenure is required and from whom?	Proposal Area is provided by ML248SA under the <i>Iron Ore (Robe River) Agreement Act 1964</i> , Exploration Licences 08/1148, 08/1196, 08/1772 and 08/788 and Land Administration Act 1997 Lease K876559.	
	Underlying Pastoral Lease N49500 tenure held by Yarraloola Pastoral Station Partnership provides access to the proposed work areas not covered by the above mentioned <i>Mining Act 1978</i> tenure (excluding the area within the Northwest Coastal Highway Road Reserve vested in Main Roads WA).	
	Grants of additional tenure and/or conversion of tenure will be required for bore field development, waste dumps, pipelines, haul roads and other infrastructure.	

Outline both the existing approvals and approvals that will be / are being sought as a part of this proposal.

Proponent to complete				
Aspects* of the proposal	Type of approval	Legislation regulating this activity	Which State agency /entity regulate this activity?	
Mesa A/Warramboo Iron Ore Mining Project	Ministerial Statement 756	Environmental Protection Act 1986 – Part IV	EPA	
Mesa A Hub Proposal	Ministerial Statement	Environmental Protection Act 1986 – Part IV	ЕРА	
Mesa A Hub Proposal	State Agreement	Iron Ore (Robe River) Agreement Act 1964	DSD	
Clearing	Native Vegetation Clearing Permit	Environmental Protection Act 1986 – Part V	DER	
Heritage	Section 18 consent to disturb a protected site	Aboriginal Heritage Act 1972	DAA	
Construction of well and groundwater abstraction	Licence	Rights in Water and Irrigation Act 1914	DoW	

Construction and operation of plant and waste water treatment facilities and discharge of surplus water	Works Approval and Licence	Environmental Protection Act 1986 – Part V	DER
Closure	Closure Plan	Mining Act 1978	DMP

^{*}e.g. mining, processing, dredging

2.1.3 Commonwealth Government Environment Protection and Biodiversity Conservation Act 1999 approvals

Refer to the <u>assessment bilateral agreement</u> between the Commonwealth of Australia and the State of Western Australia for assistance on this section.

Pre	oponent to complete	
1.	Does the proposal involve an action that may be or is a controlled action under the <i>Environment Protection and Biodiversity Conservation Act 1999</i> (EPBC Act)?	☐ Yes ☐ No If no continue to Part A section 2.1.4.
2.	What is the status of the decision on whether or not the	□ Proposal not yet referred
	action is a controlled action?	Proposal referred, awaiting decision
		Assessed – controlled action
		Assessed – not a controlled action
3.	If the action has been referred, when was it referred and what is the reference number (Ref #)?	Not applicable
4.	If the action has been assessed, provide the decision in an attachment. Has an attachment been provided?	☐ Yes ⊠ No
5.	Do you request this proposal to be assessed under the	⊠ Yes □ No
	bilateral agreement?	Yes, if the action is determined to be a Controlled Action
	aplete the following to the extent possible for the Public (umentation.	Comment of EPBC Act referral
Pro	oponent to complete	
6.	Have you invited the public to comment on your referral documentation?	☐ Yes ⊠ No
7.	How was the invitation published?	newspaper website
		Not applicable
8.	Did the invitation include all of the following?	Not applicable
	(a) brief description of the action	☐ Yes ☐ No

Proponent to complete		
(b) the name of the action	☐ Yes	□No
(c) the name of the proponent	☐ Yes	☐ No
(d) the location of the action	☐ Yes	☐ No
(e) the matters of national environmental significance that will be or are likely to be significantly impacted	☐ Yes	□No
(f) how the relevant documents may be obtained	☐ Yes	☐ No
(g) the deadline for public comments	☐ Yes	□No
(h) available for public comment for 14 calendar days	☐ Yes	☐ No
(i) the likely impacts on matters of national environmental significance	☐ Yes	□No
(j) any feasible alternatives to the proposed action	☐ Yes	☐ No
(k) possible mitigation measures	☐ Yes	☐ No
9. Were any submissions received during the public comment period?	☐ Yes	□No
Have public submissions been addressed? If yes provide attachment.	☐ Yes	□ No

2.1.4 Other Commonwealth Government Approvals

Proponent, DMA and Third Party to complete					A promoty of the con-
Is approval required from other Commonwealth Government/s for any part of the proposal?		☐ Yes ☒ No If yes, please complete the table below.			
Agency / Authority	Approval required		cation jed?	Agency	/ Local Authority contact(s) for proposal
		Yes	☐ No	***************************************	
		☐ Yes	☐ No		Wilderson (1997)

3. SUPPORTING INFORMATION

Please attach copies of any relevant information on the proposal, supporting evidence and / or existing environmental surveys, studies or monitoring information undertaken and list the documents below.

Propo	nent, DMA and Third	Party to complete	
(1)	Environmental Review Document	Rio Tinto	Supporting document for the s38 referral under the EP Act

PART B: ENVIRONMENTAL FACTORS

The purpose of Part B is to assist the EPA to determine the significance of the likely environmental impacts of the proposal in accordance with the EPA's *Environmental Assessment Guideline for Environmental factors and objectives* (EAG 8) and *Environmental Assessment Guideline for Application of a significant framework in the EIA process* (EAG 9). Referrers completing Part B should refer closely to EAG 8 and EAG 9.

The EPA has prepared <u>Referral of a Proposal under s38 of the EP Act EAG No.16 - Appendix A</u> (Appendix A) to assist in identifying factors and completing the below table. Further guidance can be found in the guidance and policy documents cited in Appendix A under each factor.

How to complete Part B

For each environmental factor, that is likely to be significantly impacted by the implementation of the proposal, make a copy of the table below and insert a summary of the relevant information relating to the proposal. The table can be broken down into more than one table per factor, if the need arises. For example the hydrological processes factor can be presented in two separate tables, one for surface water and one for groundwater, or similarly one for construction and one for operations.

For complex proposals a supplementary referral report can be provided in addition to the referral form. If this option is chosen the table must still be completed (summaries are acceptable) to assist the Office of the EPA with statistical reporting and filtering proposals for processing.

Proponents expecting an API level of assessment must provide information in accordance with the EPA's *Environmental Assessment Guideline for Preparation of an API-A environmental review document* (EAG 14).

For <u>each</u> of the significant environmental factors, complete the following table (Questions 1-10).

Proponent to complete. DMA and Third Party to complete to the best of their knowledge.				
Factor, as defined in <u>EAG 8</u>	Hydrological processes			
EPA Objective, as defined in <u>EAG 8</u>	To maintain the hydrological regimes of groundwater and surface water so that existing and potential uses, including ecosystem maintenance, are protected.			
Guidance - what established policies, guidelines, and standards apply to this factor in relation to the proposal?	Department of Water (2013). Strategic Policy 2.09: Use of mine dewatering surplus. Water and Rivers Commission (2005). Statewide Policy No. 5: Environmental Water Provisions Policy for Western Australia.			
Consultation - outline the need for consultation and the outcomes of any consultation in relation to the potential environmental impacts, including: anticipated level of public interest in the impact; 	Refer to Table 8-1 of the Environmental Review Document.			
 consultation with regulatory agencies; and consultation with community. 				
Baseline information - describe the relevant characteristics of the receiving environment.	Refer to Section 6.1.2 of the Environmental			
This may include: regional context; known environmental values, current quality, sensitivity to impact, and current level of cumulative impacts.	Review Document.			
Impact assessment - describe the potential impact/s that may occur to the environmental factor as a result of implementing the proposal.	Refer to Section 6.1.3 of the Environmental Review Document.			
Mitigation measures - what measures are proposed to mitigate the potential environmental impacts? The following should be addressed:				
Avoidance - avoiding the adverse environmental impact altogether;				
Minimisation - limiting the degree or magnitude of the adverse impact;	Refer to Section 6.1.4 of the Environmental			
Rehabilitate – restoring the maximum environmental value that is reasonably practicable; and	Review Document.			
Offsets – actions that provide environmental benefits to counterbalance significant residual environmental impacts or risks of a project or activity.				

Proponent to complete. DMA and Third Party to	complete to the best of their knowledge.
Residual impacts – review the residual impacts against the EPA objectives.	
It is understood that the extent of any significant residual impacts may be hard to quantify at the referral stage. Referrers are asked to provide, as far as practicable, a discussion on the likely residual impacts and form a conclusion on whether the EPA objective for this factor would be met if residual impacts remain. This will require:	
 quantifying the predicted impacts (extent, duration, etc.) acknowledging any uncertainty in predictions; 	Review Document.
 putting the impacts into a regional or local context, incorporating knowable cumulative impacts; and 	
 comparison against any established environmental policies, guidelines, and standards. 	
EPA's Objective – from your perspective and based	⊠ meets the EPA's objective
on your review, which option applies to the proposal in relation to this factor? <i>Refer to EAG 9</i>	may meet the EPA's objective
	is unlikely to meet the EPA's objective
Describe any assumptions critical to your conclusion (in Question 9). E.g. particular mitigation measures or regulatory conditions.	The Proposal has been designed to avoid, minimise and manage potential environmental impacts to hydrological processes.
	Preliminary data indicate limited to no hydraulic connectivity exists between the Mesa C deposit and the Robe River alluviums and therefore it is unlikely that semi-permanent pools in the Robe River will be directly affected by short-term mine dewatering at Mesa C. Further hydrogeological investigations are underway.

Prop	Proponent to complete. DMA and Third Party to complete to the best of their knowledge.			
1	Factor, as defined in <u>EAG 8</u>	Flora and Vegetation		
2	EPA Objective, as defined in <u>EAG 8</u>	To maintain representation, diversity, viability and ecological function at the species, population and community level'		
3		EPA (2000). Position Statement No. 2: Protection of Native Vegetation in Western Australia.		
		EPA (2002). Position Statement No. 3: Terrestrial Biological Surveys as an Element of Biodiversity Protection.		
	Guidance - what established policies, guidelines, and standards apply to this factor in relation to the proposal?	EPA (2004). Guidance Statement No. 51: Terrestrial Flora and Vegetation Surveys for Environmental Impact Assessment in Western Australia.		
		EPA and Parks and Wildlife (2015). Technical Guide – Terrestrial Flora and Vegetation Surveys for Environmental Impact Assessment.		
4	Consultation - outline the need for consultation and the outcomes of any consultation in relation to the potential environmental impacts, including:	Refer to Table 8-1 of the		
	anticipated level of public interest in the impact;	Environmental Review Document.		
	consultation with regulatory agencies; and			
	consultation with community.			
5	Baseline information - describe the relevant characteristics of the receiving environment.	Refer to Section 6.2.2 of the		
	This may include: regional context; known environmental values, current quality, sensitivity to impact, and current level of cumulative impacts.	Environmental Review Document.		
6	Impact assessment - describe the potential impact/s that may occur to the environmental factor as a result of implementing the proposal.	Refer to Section 6.2.3 of the Environmental Review Document.		

Propo	Proponent to complete. DMA and Third Party to complete to the best of their knowledge.			
7	Mitigation measures - what measures are proposed to mitigate the potential environmental impacts? The following should be addressed:			
A STATE OF THE STA	Avoidance - avoiding the adverse environmental impact altogether;			
	Minimisation - limiting the degree or magnitude of the adverse impact;	Refer to Section 6.2.4 of the Environmental Review Document.		
***	Rehabilitate – restoring the maximum environmental value that is reasonably practicable; and			
	Offsets – actions that provide environmental benefits to counterbalance significant residual environmental impacts or risks of a project or activity.			
8	Residual impacts – review the residual impacts against the EPA objectives.			
	It is understood that the extent of any significant residual impacts may be hard to quantify at the referral stage. Referrers are asked to provide, as far as practicable, a discussion on the likely residual impacts and form a conclusion on whether the EPA's objective for this factor would be met if residual impacts remain. This will require:	Refer to Section 6.2.5 of the		
	quantifying the predicted impacts (extent, duration, etc.) acknowledging any uncertainty in predictions;	Environmental Review Document.		
	putting the impacts into a regional or local context, incorporating knowable cumulative impacts; and			
	 comparison against any established environmental policies, guidelines, and standards. 			
9	EPA's Objective – from your perspective and based on your review, which option applies to the proposal	☑ meets the EPA's objective		
	in relation to this factor? Refer to EAG 9	☐ may meet the EPA's objective ☐ is unlikely to meet the EPA's objective		

Prop	Proponent to complete. DMA and Third Party to complete to the best of their knowledge.			
10	Describe any assumptions critical to your conclusion (in Question 9). e.g. particular mitigation measures or regulatory conditions.	The Proposal has been designed to avoid, minimise and manage potential environmental impacts to flora and vegetation.		
		The Priority 3 PEC Sand Sheet Vegetation (Robe Valley) adjacent to the Proposal Area will not be directly impacted by the Proposal, nor will any changes be made to the Sand Sheet catchment.		
		An implementation condition will be suggested for the proposed additional clearing of native vegetation in 'Good' or 'Excellent' condition.		

1	Factor, as defined in <u>EAG 8</u>	Terrestrial Fauna
2	EPA Objective, as defined in <u>EAG 8</u>	To maintain representation, diversity, viability and ecological function at the species, population and assemblage level
3		EPA (2002). Position Statement No. 3: Terrestrial Biological Surveys as an Element of Biodiversity Protection.
	Guidance - what established policies, guidelines, and standards apply to this factor in relation to the proposal?	EPA (2004). Guidance Statement No. 56: Terrestrial Fauna Surveys for Environmental Impact Assessment in Western Australia.
		EPA (2009). Guidance Statement No. 20: Sampling of Short Range Endemic Invertebrate Fauna for Environmental Impact Assessmen in Western Australia.
		EPA and Department of Environment and Conservation (2010). Technical Guide – Terrestrial Vertebrate Fauna Surveys for Environmental Impact Assessment.
		Department of the Environment (2013). Matters of National Environmental Significance: Significant impact guidelines 1.1.
		Department of the Environment (2016). <i>EPBC Act referral guideline for the endangered northern quoll</i> , Dasyurus hallucatus.
		Department of the Environment, Water, Heritage and the Arts (2010). Survey guidelines for Australia's threatened bats.
		Department of Sustainability, Environment, Water, Population and Communities (2011). Survey guidelines for Australia's threatened mammals.
		Department of Sustainability, Environment, Water, Population and Communities (2011). Survey guidelines for Australia's threatened reptiles.

Proponent to complete. DMA and Third Party to complete to the best of their knowledge.		
4	Consultation - outline the need for consultation and the outcomes of any consultation in relation to the potential environmental impacts, including: anticipated level of public interest in the impact; consultation with regulatory agencies; and consultation with community. 	Refer to Table 8-1 of the Environmental Review Document.
5	Baseline information - describe the relevant characteristics of the receiving environment. This may include: regional context; known environmental values, current quality, sensitivity to impact, and current level of cumulative impacts.	Refer to Section 6.3.2 of the Environmental Review Document.
6	Impact assessment - describe the potential impact/s that may occur to the environmental factor as a result of implementing the proposal.	Refer to Section 6.3.3 of the Environmental Review Document.
7	 Mitigation measures - what measures are proposed to mitigate the potential environmental impacts? The following should be addressed: Avoidance - avoiding the adverse environmental impact altogether; Minimisation - limiting the degree or magnitude of the adverse impact; Rehabilitate - restoring the maximum environmental value that is reasonably practicable; and Offsets - actions that provide environmental benefits to counterbalance significant residual environmental impacts or risks of a project or activity. 	Refer to Section 6.3.4 of the Environmental Review Document.

Propo	onent to complete. DMA and Third Party to complete	to the best of their knowledge.
8	Residual impacts – review the residual impacts against the EPA objectives.	Refer to Section 6.3.5 of the
	It is understood that the extent of any significant residual impacts may be hard to quantify at the referral stage. Referrers are asked to provide, as far as practicable, a discussion on the likely residual impacts and form a conclusion on whether the EPA's objective for this factor would be met if residual impacts remain. This will require:	
	 quantifying the predicted impacts (extent, duration, etc.) acknowledging any uncertainty in predictions; 	Environmental Review Document.
	 putting the impacts into a regional or local context, incorporating knowable cumulative impacts; and 	
	 comparison against any established environmental policies, guidelines, and standards. 	
9	EPA's Objective – from your perspective and based	
	on your review, which option applies to the proposal in relation to this factor? <i>Refer to</i> <u>EAG 9</u>	☐ may meet the EPA's objective
		is unlikely to meet the EPA's objective
10	Describe any assumptions critical to your conclusion (in Question 9). E.g. particular mitigation measures or regulatory conditions.	The Proposal has been designed to avoid, minimise and manage potential environmental impacts to terrestrial fauna.
		The escarpments of Mesa B and Mesa C provide some of the most significant habitat features in the survey area. Retention of the mesa escarpments (except where cuts are required to provide access) will ensure that these habitats continue to be available to fauna.

1	Factor, as defined in <u>EAG 8</u>	Subterranean Fauna
2	EPA Objective, as defined in <u>EAG 8</u>	To maintain representation, diversity, viability and ecological function at the species, population and assemblage level.
3	Guidance - what established policies, guidelines, and	EPA (2013). Environmental Assessment Guideline No. 12 for Consideration of subterranean fauna in environmental impact assessment in Western Australia.
	standards apply to this factor in relation to the proposal?	EPA (2007). Draft Guidance Statement No. 54a: Sampling Methods and Survey Considerations for Subterranean Fauna in Western Australia.
4	Consultation - outline the need for consultation and the outcomes of any consultation in relation to the potential environmental impacts, including:	Refer to Table 8-1 of the Environmental Review Document.
	anticipated level of public interest in the impact;	
	consultation with regulatory agencies; and	
	consultation with community.	
5	Baseline information - describe the relevant characteristics of the receiving environment.	Refer to Section 6.4.2 of the
	This may include: regional context; known environmental values, current quality, sensitivity to impact, and current level of cumulative impacts.	Environmental Review Document.
6	Impact assessment - describe the potential impact/s that may occur to the environmental factor as a result of implementing the proposal.	Refer to Section 6.4.3 of the Environmental Review Document.
7	Mitigation measures - what measures are proposed to mitigate the potential environmental impacts? The following should be addressed:	
	Avoidance - avoiding the adverse environmental impact altogether;	
	Minimisation - limiting the degree or magnitude of the adverse impact;	Refer to Section 6.4.4 of the
	Rehabilitate – restoring the maximum environmental value that is reasonably practicable; and	Environmental Review Document.
	Offsets – actions that provide environmental benefits to counterbalance significant residual environmental impacts or risks of a project or activity.	

Propo	Proponent to complete. DMA and Third Party to complete to the best of their knowledge.		
8	Residual impacts – review the residual impacts against the EPA objectives.		
	It is understood that the extent of any significant residual impacts may be hard to quantify at the referral stage. Referrers are asked to provide, as far as practicable, a discussion on the likely residual impacts and form a conclusion on whether the EPA's objective for this factor would be met if residual impacts remain. This will require:	Refer to Section 6.4.5 of the	
	 quantifying the predicted impacts (extent, duration, etc.) acknowledging any uncertainty in predictions; 	Environmental Review Document.	
	putting the impacts into a regional or local context, incorporating knowable cumulative impacts; and		
	 comparison against any established environmental policies, guidelines, and standards. 		
9	EPA's Objective – from your perspective and based on your review, which option applies to the proposal	meets the EPA's objective	
	in relation to this factor? Refer to EAG 9		
10	Describe any assumptions critical to your conclusion (in Question 9). E.g. particular mitigation measures or regulatory conditions.	The Proposal has been designed to avoid, minimise and manage potential environmental impacts to subterranean fauna.	
		Troglofauna habitat at Warramboo, Highway and Tod Bore is part of a contiguous system that extends beyond the Proposal Area. Troglofauna in these areas are unlikely to be restricted to the proposed mining areas.	
		Significant volumes of troglofauna habitat at Mesa A, Mesa B and Mesa C will be retained. Ongoing sampling at Mesa A indicates that this is a suitable approach and that the existing Mining Exclusion Zone at Mesa A is providing a suitable volume of habitat to maintain troglofauna representation.	
		An implementation condition will be suggested as part of the Proposal.	

1	Factor, as defined in <u>EAG 8</u>	Offsets
2	EPA Objective, as defined in <u>EAG 8</u>	To counterbalance any significant residual environmental impacts or uncertainty through the application of offsets.
3	Guidance - what established policies, guidelines, and standards apply to this factor in relation to the proposal?	Government of Western Australia (2011). WA Environmental Offsets Policy.
		Government of Western Australia (2014). WA Environmental Offsets Guidelines.
		EPA (2014). Environmental Protection Bulletin No. 1: Environmental Offsets.
4	Consultation - outline the need for consultation and the outcomes of any consultation in relation to the potential environmental impacts, including:	Refer to Table 8-1 of the
	 anticipated level of public interest in the impact; 	Environmental Review Document.
	consultation with regulatory agencies; and	
	consultation with community.	
5	Baseline information - describe the relevant characteristics of the receiving environment.	Refer to sections 6.1.2, 6.2.2, 6.3.2 and 6.4.2 of the Environmental Review Document.
	This may include: regional context; known environmental values, current quality, sensitivity to impact, and current level of cumulative impacts.	
6	Impact assessment - describe the potential impact/s that may occur to the environmental factor as a result of implementing the proposal.	Refer to sections 6.1.3, 6.2.3, 6.3.3 and 6.4.3 of the Environmental Review Document.
7	Mitigation measures - what measures are proposed to mitigate the potential environmental impacts? The following should be addressed:	
	Avoidance - avoiding the adverse environmental impact altogether;	
	Minimisation - limiting the degree or magnitude of the adverse impact;	Refer to sections 6.1.4, 6.2.4, 6.3.4 and 6.4.4 of the
	Rehabilitate – restoring the maximum environmental value that is reasonably practicable; and	Environmental Review Document.
	Offsets – actions that provide environmental benefits to counterbalance significant residual environmental impacts or risks of a project or activity.	

Propo	Proponent to complete. DMA and Third Party to complete to the best of their knowledge.		
8	Residual impacts – review the residual impacts against the EPA objectives.		
	It is understood that the extent of any significant residual impacts may be hard to quantify at the referral stage. Referrers are asked to provide, as far as practicable, a discussion on the likely residual impacts and form a conclusion on whether the EPA's objective for this factor would be met if residual impacts remain. This will require:	Refer to sections 6.1.5, 6.2.5,	
	 quantifying the predicted impacts (extent, duration, etc.) acknowledging any uncertainty in predictions; 	6.3.5, 6.4.5, 6.5.2 and 6.5.3 of the Environmental Review Document.	
	 putting the impacts into a regional or local context, incorporating knowable cumulative impacts; and 		
	 comparison against any established environmental policies, guidelines, and standards. 		
9	EPA's Objective – from your perspective and based on your review, which option applies to the proposal in relation to this factor? <i>Refer to</i> <u>EAG 9</u>	☑ meets the EPA's objective	
		may meet the EPA's objective	
		is unlikely to meet the EPA's objective	
10	Describe any assumptions critical to your conclusion (in Question 9). E.g. particular mitigation measures or regulatory conditions.	The Proposal has been designed to avoid, minimise and manage potential environmental impacts. Offsets are proposed to address residual impacts.	
		An implementation condition will be suggested as part of the Proposal for the proposed additional clearing of native vegetation in 'Good' or 'Excellent' condition and any riparian vegetation likely to be impacted by the Proposal.	

Proponent to complete. DMA and Third Party to complete to the best of their knowledge.		
1	Factor, as defined in <u>EAG 8</u>	Rehabilitation and decommissioning
2	EPA Objective, as defined in <u>EAG 8</u>	To ensure that premises are decommissioned and rehabilitated in an ecologically sustainable manner.
3		EPA (2015). Environmental Protection Bulletin No. 19: EPA involvement in mine closure.
**************************************	Guidance - what established policies, guidelines, and standards apply to this factor in relation to the proposal?	Department of Mines and Petroleum and EPA (2015). Guidelines for Preparing Mine Closure Plans.
		EPA (2006). Guidance Statement No. 6: Rehabilitation of Terrestrial Ecosystems.
4	Consultation - outline the need for consultation and the outcomes of any consultation in relation to the potential environmental impacts, including:	The Proponent will consult with the Department of Mines and
	anticipated level of public interest in the impact;	Petroleum and other relevant stakeholders regarding closure
	consultation with regulatory agencies; and	and rehabilitation.
	consultation with community.	
5	Baseline information - describe the relevant characteristics of the receiving environment.	Refer to Section 6.6 of the
	This may include: regional context; known environmental values, current quality, sensitivity to impact, and current level of cumulative impacts.	Environmental Review Document.
6	Impact assessment - describe the potential impact/s that may occur to the environmental factor as a result of implementing the proposal.	Refer to Section 6.6 of the Environmental Review Document.
7	Mitigation measures - what measures are proposed to mitigate the potential environmental impacts? The following should be addressed:	
	Avoidance - avoiding the adverse environmental impact altogether;	The Proponent will undertake progressive rehabilitation where
	Minimisation - limiting the degree or magnitude of the adverse impact;	progressive renabilitation where practicable. The Proponent will prepare a Mine Closure Plan for the Proposal in accordance with the DMP and EPA Guidelines for Preparing Mine Closure Plans.
	Rehabilitate – restoring the maximum environmental value that is reasonably practicable; and	
***************************************	Offsets – actions that provide environmental benefits to counterbalance significant residual environmental impacts or risks of a project or activity.	

8	Residual impacts – review the residual impacts	Cherri de estas permiter estra estra la recola e que l'altre finis quate quada de la la la la la la la la la l La la
	against the EPA objectives.	Refer to Section 6.6 of the Environmental Review Document.
	It is understood that the extent of any significant residual impacts may be hard to quantify at the referral stage. Referrers are asked to provide, as far as practicable, a discussion on the likely residual impacts and form a conclusion on whether the EPA's objective for this factor would be met if residual impacts remain. This will require:	
	 quantifying the predicted impacts (extent, duration, etc.) acknowledging any uncertainty in predictions; 	
	putting the impacts into a regional or local context, incorporating knowable cumulative impacts; and	
	 comparison against any established environmental policies, guidelines, and standards. 	
9	EPA's Objective – from your perspective and based on your review, which option applies to the proposal in relation to this factor? <i>Refer to EAG 9</i>	☑ meets the EPA's objective
		may meet the EPA's objective
		is unlikely to meet the EPA's objective
10	Describe any assumptions critical to your conclusion (in Question 9). E.g. particular mitigation measures or regulatory conditions.	The Proposal has been designed to avoid, minimise and manage potential environmental impacts.
		A draft Closure Plan will be submitted as part of the Proposal and an implementation condition will be suggested.