



## 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 proposals<sup>1</sup> 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](mailto:Registrar@epa.wa.gov.au)

#### Enquiries

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Website: [www.epa.wa.gov.au](http://www.epa.wa.gov.au)

<sup>1</sup> 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)	X Yes <input type="checkbox"/> No
Completed all the questions in Part B	X Yes <input type="checkbox"/> No
Completed all other applicable questions	X Yes <input type="checkbox"/> No
Included Attachment 1 – any additional document(s) the proponent wishes to provide	X Yes <input type="checkbox"/> No
Included Attachment 2 – confidential information (if applicable)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (none applicable)
Enclosed an electronic copy of all referral information, including spatial data and contextual mapping but clearly separating any confidential information	X Yes <input type="checkbox"/> No
Completed the Declaration	X Yes <input type="checkbox"/> No
What is the type of proposal being referred? <i>* a referred proposal seeking to be declared a derived proposal</i>	X significant <input type="checkbox"/> strategic <input type="checkbox"/> derived* <input type="checkbox"/> under an assessed scheme
Do you consider the proposal requires formal environmental impact assessment?	X Yes <input type="checkbox"/> No
If yes, what level of assessment? <i>API = Assessment of Proponent Information</i> <i>PER = Public Environmental Review</i>	X API Category A <input type="checkbox"/> API Category B <input type="checkbox"/> 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 Environmental Impact Assessment (Part IV Division 1 and 2) Administrative Procedures 2012.

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, Michael Klvac, (full name) declare that I am authorised on behalf of BC PILBARA IRON ORE 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				Name (print)	Michael Klvac		
Position	Manager Approvals	Organisation	BC Pilbara Iron Ore Pty Ltd				
Email	michael.klvac@bciron.com.au						
Address	Level 1, 15	Rheola Street					
	West Perth				WA	6005	
Date	11-March-2016						

## (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 complete before submitting form	
Completed all the questions in Part A (essential)	<input type="checkbox"/> Yes <input type="checkbox"/> No
Provided Part B to the proponent for completion	<input type="checkbox"/> Yes <input type="checkbox"/> No
Completed all other applicable questions	<input type="checkbox"/> Yes <input type="checkbox"/> No
Included Attachment 1 – any supporting information	<input type="checkbox"/> Yes <input type="checkbox"/> No
Enclosed an electronic copy of all referral information, including spatial data and contextual mapping	<input type="checkbox"/> Yes <input type="checkbox"/> No
Completed the below Declaration	<input type="checkbox"/> Yes <input type="checkbox"/> No
Do you consider the proposal requires formal environmental impact assessment?	<input type="checkbox"/> Yes <input type="checkbox"/> No
What is the type of proposal being referred?	<input type="checkbox"/> significant proposal <input type="checkbox"/> significant proposal under an assessed scheme

## Declaration

I, ....., (*full name*) submit this referral to the EPA for consideration of the environmental significance of its impacts.

Signature		Name (print)	
Position		Organisation	
Email			
Address	Street No.	Street Name	
	Suburb	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 submitting form	
Complete all applicable questions in Part A and B	<input type="checkbox"/> Yes <input type="checkbox"/> No
Completed the Declaration	<input type="checkbox"/> Yes <input type="checkbox"/> No
Do you consider the proposal requires formal environmental impact assessment?	<input type="checkbox"/> Yes <input type="checkbox"/> No

### Declaration

I, ....., (*full name*) submit this referral to the EPA for consideration of the environmental significance of its impacts.

Signature		Name (print)		
Email				
Position		Organisation		
Address	Street No.	Street Name		
	Suburb	State	Postcode	
Date				

## 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

Proponent and/or DMA to complete	
Name of the proponent	BC Iron Pilbara Iron Ore Pty Ltd
Joint Venture parties (if applicable)	n/a
Australian Company Number(s)	17 107 492 517
Postal Address <i>(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)</i>	BC Pilbara Iron Ore Pty Ltd Level 1 15 Rheola Street West Perth, WA 6005
Key proponent contact for the proposal  <i>Please include: name; physical address; phone; and email.</i>	Michael Klvac Manager Approvals T: 08 6311 3400 michael.klvac@bciron.com.au
Consultant for the proposal (if applicable)  <i>Please include: name; physical address; phone; and email.</i>	AECOM Level 6, 3 Forrest Place Perth, WA 6000  Christopher Thomson – Principal Environmental Scientist T +61 8 6208 0000 <a href="mailto:chris.thomson@aecom.com">chris.thomson@aecom.com</a>

#### 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	Iron Valley Below Water Table Project
What project phase is the proposal at?	<input checked="" type="checkbox"/> Scoping <input type="checkbox"/> Feasibility <input type="checkbox"/> Detailed design <input type="checkbox"/> Other _____
Proposal type  <i>More than one proposal type can be identified, however for filtering purposes it is recommended that only the primary proposal type is identified.</i>	<input type="checkbox"/> <b>Power/Energy Generation</b> <input type="checkbox"/> Hydrocarbon Based – coal <input type="checkbox"/> Hydrocarbon Based – gas <input type="checkbox"/> Waste to energy <input type="checkbox"/> Renewable – wind

**Proponent and/or DMA to complete**

	<input type="checkbox"/> Renewable – wave <input type="checkbox"/> Renewable – solar <input type="checkbox"/> Renewable – geothermal  <input type="checkbox"/> <b>Mineral / Resource Extraction</b> <input type="checkbox"/> Exploration – seismic <input type="checkbox"/> Exploration – geotechnical <input checked="" type="checkbox"/> Development  <input type="checkbox"/> <b>Oil and Gas Development</b> <input type="checkbox"/> Exploration <input type="checkbox"/> Onshore – seismic <input type="checkbox"/> Onshore – geotechnical <input type="checkbox"/> Onshore – development <input type="checkbox"/> Offshore – seismic <input type="checkbox"/> Offshore – geotechnical <input type="checkbox"/> Offshore – development  <input type="checkbox"/> <b>Industrial Development</b> <input type="checkbox"/> Processing <input type="checkbox"/> Manufacturing <input type="checkbox"/> Beneficiation  <input type="checkbox"/> <b>Land Use and Development</b> <input type="checkbox"/> Residential – subdivision <input type="checkbox"/> Residential – development <input type="checkbox"/> Commercial – subdivision <input type="checkbox"/> Commercial – development <input type="checkbox"/> Industrial – subdivision <input type="checkbox"/> Industrial – development <input type="checkbox"/> Agricultural – subdivision <input type="checkbox"/> Agricultural – development <input type="checkbox"/> Tourism  <input type="checkbox"/> <b>Linear Infrastructure</b> <input type="checkbox"/> Rail <input type="checkbox"/> Road <input type="checkbox"/> Power Transmission <input type="checkbox"/> Water Distribution <input type="checkbox"/> Gas Distribution <input type="checkbox"/> Pipelines  <input type="checkbox"/> <b>Water Resource Development</b> <input type="checkbox"/> Desalination <input type="checkbox"/> Surface or Groundwater <input type="checkbox"/> Drainage <input type="checkbox"/> Pipelines <input type="checkbox"/> Managed Aquifer Recharge  <input type="checkbox"/> <b>Marine Developments</b> <input type="checkbox"/> Port <input type="checkbox"/> Jetties <input type="checkbox"/> Marina
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Proponent and/or DMA to complete	
	<input type="checkbox"/> Canal <input type="checkbox"/> Aquaculture <input type="checkbox"/> Dredging <i>If other, please state below:</i> <input type="checkbox"/> <b>Other</b> _____
Proponent and/or DMA to complete	
Description of the proposal – describe the key characteristics of the proposal in accordance with <a href="#">EAG 1</a> .	<p>The Proposal is to develop and operate a below water table iron ore mine in the Pilbara. The Project will develop one pit and extend two existing pits to below the water table with associated waste dumps. The proposal provides for tailing storage facility, beneficiation and associated infrastructure. Additional clearing of 314 ha is required, within the project envelope of 1094 ha. Dewatering is required up to 23 GL/annum. Discharge of excess water to Weeli Wolli Creek is proposed, of approximately 17 GL/annum.</p> <p>A full description of the Proposal is given in the supporting document attached to this referral form.</p>
Timeframe in which the proposal is to occur (including start and finish dates where applicable).	<p>It is proposed to commence construction in mid 2016 and commence ore extraction in late 2016.</p> <p>The mine life is expected to be 10 years.</p>
Details of any staging of the proposal.	<p>Excavation of the mine pits will be staged over the 10 year mine life.</p>
What is the current land use on the property, and the extent (area in hectares) of the property?	<p>The Project is located on Mining Tenement M47/1439 and the current use of the tenement is for extraction of iron ore.</p>
<p>Have pre-referral discussions taken place with the OEPA?</p> <p>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.</p>	<p>Three pre-referral discussions have been undertaken with the EPA, as follows:</p> <ul style="list-style-type: none"> <li>• 31/08/15 – EPA Officer – Sally Bowman, Anthony Sutton and Michael Klvac and Chris Thomson from BCP</li> <li>• 18/12/15 – EPA Officer – Sally Bowman and Chris Stanley and Michael Klvac, Les Purves and Chris Thomson from BCP</li> <li>• 26/02/16 – EPA Officer – Chris Stanley and Michael Klvac, Les Purves and Chris Thomson from BCP.</li> </ul>
DMA (Responsible Authority) to complete	
<p>For a proposal under an assessed scheme (as defined in <a href="#">section 3 of the EP Act</a>, applicable only to the proponent and DMA) provide details (in an attachment) as to whether:</p> <ul style="list-style-type: none"> <li>• <i>The environmental issues raised by the proposal were assessed in any assessment of the assessed scheme.</i></li> <li>• <i>The proposal complies with the assessed scheme and any environmental conditions in the assessed scheme.</i></li> </ul>	<p>The Proposal is not an assessed scheme.</p>



### 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.*

<b>Proponent to complete</b>	
Is this referred proposal a strategic proposal?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are you seeking that this proposal be declared a derived proposal?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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?	MS #: _____

## 1.4 Location

Proponents and DMAs must provide spatial data. Please refer to [EAG 1](#) for more detail.

Proponent, DMA and Third Party to complete	
Name of the Local Government Authority in which the proposal is located.	East Pilbara Shire
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.	The Project is located in the East Pilbara Shire within the Eastern Pilbara Region of Western Australia approximately 90 km north-west of Newman and 150 km east of Tom Price.  The Project area occurs within Mining Lease M47/1439. The co-ordinates of M47/1439 are as follows: NW Corner 22° 42' 05"S 119° 19' 02"E. NE Corner 22° 43' 02"S 119° 20' 30"E. SE Corner 22° 46' 33"S 119° 17' 56"E. SW Corner 22° 45' 35"S 119° 16' 28"E
Have maps and figures been included with the referral (consistent with <a href="#">EAG 1</a> where appropriate)? <i>The types of maps and figures which need to be provided (depending on the nature of the proposal) include:</i> <ul style="list-style-type: none"> <li>maps showing the regional location and context of the proposal; and</li> <li>figures illustrating the proposal elements.</li> </ul>	X Yes <input type="checkbox"/> No
Proponent and DMA to complete	
Have electronic copies of spatial data been included with the referral?  <b>NB:</b> <i>Electronic spatial (GIS or CAD) data, geo-referenced and conforming to the following parameters:</i> <ul style="list-style-type: none"> <li>GIS: polygons representing all activities and named;</li> <li>CAD: simple closed polygons representing all activities and named;</li> <li>datum: GDA94;</li> <li>projection: Geographic (latitude/longitude) or Map Grid of Australia (MGA);</li> <li>format: ESRI geodatabase or shapefile, MapInfo Interchange Format, Microstation or AutoCAD..</li> </ul>	X Yes <input type="checkbox"/> No

## 1.5 Significance test and environmental factors

Proponent, DMA and Third Party to complete	
What are the likely significant environmental factors for this proposal?	<input type="checkbox"/> Benthic Communities and Habitat <input type="checkbox"/> Coastal Processes

Proponent, DMA and Third Party to complete	
	<input type="checkbox"/> Marine Environmental Quality <input type="checkbox"/> Marine Fauna <input checked="" type="checkbox"/> Flora and Vegetation <input type="checkbox"/> Landforms <input checked="" type="checkbox"/> Subterranean Fauna <input type="checkbox"/> Terrestrial Environmental Quality <input checked="" type="checkbox"/> Terrestrial Fauna <input checked="" type="checkbox"/> Hydrological Processes <input checked="" type="checkbox"/> Inland Waters Environmental Quality <input type="checkbox"/> Air Quality & Atmospheric Gases <input type="checkbox"/> Amenity <input type="checkbox"/> Heritage <input type="checkbox"/> Human Health <input checked="" type="checkbox"/> Offsets <input checked="" type="checkbox"/> Rehabilitation and Decommissioning
Having regard to the Significance Test (refer to Section 7 of the <i>EIA Administrative Procedures 2012</i> ) in what ways do you consider the proposal may have a significant effect on the environment and warrant referral to the EPA?	The Proposal has the potential to affect the hydrology and hydrogeology in the vicinity of the tenement. Through dewatering of 23 GL/yr and staged controlled discharge of 17GL/yr to Weeli Wolli Creek  The proposal will also clear 314 ha of good to excellent quality vegetation.

## 1.6 Confidential information

*All information will be made publically available unless authorised for exemption under the EP Act or subject to the Freedom of Information Act 1992.*

Proponent to complete	
Does the proponent request that the EPA treat any part of the referral information as confidential?  <i>Ensure all confidential information is provided in a separate attachment in hard copy.</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

## 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 a decision-making authority?	
Is rezoning of any land required before the proposal can be implemented? If yes, please provide details.	<input type="checkbox"/> Yes <input type="checkbox"/> No

## 2.1.2 Regulation of aspects of the proposal

Complete the following to the extent possible.

Proponent to complete	
<p>Do you have legal access required for the implementation of all aspects of the proposal?</p> <p><i>If yes, provide details of legal access authorisations / agreements / tenure.</i></p> <p><i>If no, what authorisations / agreements / tenure is required and from whom?</i></p>	<p><input checked="" type="checkbox"/> Yes   <input type="checkbox"/> No</p> <p><i>All access required is on tenement. Except for the reaching discharge point DL5 to the north. The application for miscellaneous licence – L47757 is in progress.</i></p>

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?
Dewatering	Licence	RIWI Act 1914	DoW
Discharge of groundwater	Works Approval and Licence	EP Act 1986 – Part V	DER
Beneficiation Plant	Works Approval and Licence	EP Act 1986 – Part V	DER
Construction and operation of a Tailings Storage Facility	Works Approval and Licence	EP Act 1986 – Part V	DER
Construction and operation of a landfill	Works Approval and Licence	EP 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 [assessment bilateral agreement](#) between the Commonwealth of Australia and the State of Western Australia for assistance on this section.

Proponent 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)?	<p><input checked="" type="checkbox"/> Yes   <input type="checkbox"/> No</p> <p><i>If no continue to Part A section 2.1.4.</i></p>
2. What is the status of the decision on whether or not the action is a controlled action?	<p><input checked="" type="checkbox"/> Proposal not yet referred</p> <p><input type="checkbox"/> Proposal referred, awaiting decision</p> <p><input type="checkbox"/> Assessed – controlled action</p> <p><input type="checkbox"/> Assessed – not a controlled action</p>

<b>Proponent to complete</b>	
3. If the action has been referred, when was it referred and what is the reference number (Ref #)?	Date: _____ Ref #: _____
4. If the action has been assessed, provide the decision in an attachment. Has an attachment been provided?	<input type="checkbox"/> Yes <input type="checkbox"/> No
5. Do you request this proposal to be assessed under the bilateral agreement?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Complete the following to the extent possible for the Public Comment of EPBC Act referral documentation.

<b>Proponent to complete</b>	
6. Have you invited the public to comment on your referral documentation?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
7. How was the invitation published?	<input type="checkbox"/> newspaper <input type="checkbox"/> website
8. Did the invitation include all of the following?	
(a) brief description of the action	<input type="checkbox"/> Yes <input type="checkbox"/> No
(b) the name of the action	<input type="checkbox"/> Yes <input type="checkbox"/> No
(c) the name of the proponent	<input type="checkbox"/> Yes <input type="checkbox"/> No
(d) the location of the action	<input type="checkbox"/> Yes <input type="checkbox"/> No
(e) the matters of national environmental significance that will be or are likely to be significantly impacted	<input type="checkbox"/> Yes <input type="checkbox"/> No
(f) how the relevant documents may be obtained	<input type="checkbox"/> Yes <input type="checkbox"/> No
(g) the deadline for public comments	<input type="checkbox"/> Yes <input type="checkbox"/> No
(h) available for public comment for 14 calendar days	<input type="checkbox"/> Yes <input type="checkbox"/> No
(i) the likely impacts on matters of national environmental significance	<input type="checkbox"/> Yes <input type="checkbox"/> No
(j) any feasible alternatives to the proposed action	<input type="checkbox"/> Yes <input type="checkbox"/> No
(k) possible mitigation measures	<input type="checkbox"/> Yes <input type="checkbox"/> No
9. Were any submissions received during the public comment period?	<input type="checkbox"/> Yes <input type="checkbox"/> No
10. Have public submissions been addressed? If yes provide attachment.	<input type="checkbox"/> Yes <input type="checkbox"/> No

## 2.1.4 Other Commonwealth Government Approvals

Proponent, DMA and Third Party to complete			
Is approval required from other Commonwealth Government/s for any part of the proposal?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<i>If yes, please complete the table below.</i>			
Agency / Authority	Approval required	Application lodged?	Agency / Local Authority contact(s) for proposal
		<input type="checkbox"/> Yes <input type="checkbox"/> No	
		<input type="checkbox"/> Yes <input type="checkbox"/> No	

## 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.

Proponent, DMA and Third Party to complete			
(1)	Environmental Review Document – Iron Valley Below Water Table Project	AECOM	This document is prepared as supporting information to a Section 38 Referral to the EPA, and has been prepared in accordance with the information requirements for an API Category A as set out in the Environmental Impact Assessment (Part IV Divisions 1 and 2) Administrative Procedures 2012).
(2)	Water related studies	AQ2	Appendix C to the ER. <i>Groundwater Management – Iron Valley – Below Water Table Mine 2016</i>
		AQ2 and Soilwater consultants	<i>Increase in Groundwater Abstraction at Iron Valley – Impact Assessment. Desktop Assessment dated February 2015.</i>
(3)	Flora and vegetation related studies	Astron	Appendix D to the ER <i>Iron Valley Groundwater Dependent Ecosystem Investigation Dec 2015.</i> This document provides a risk assessment to the groundwater dependent vegetation from the proposal's dewatering and discharging activities <i>Iron Valley Project Flora and vegetation Survey 2012</i> Baseline flora and vegetation survey for the project area.
(4)	Aquatic fauna studies	WRM	Appendix E to the ER <i>Iron Valley Project – Potential impacts to aquatic systems: Literature Review 2015</i> <i>Iron Valley Project – Baseline Aquatic Fauna Survey: Weeli Wollie Creek Wet Season 2015</i> <i>Iron Valley Project: Cumulative Change Assessment – Lower Weeli Wollie Creek Aquatic Ecosystems</i>

Proponent, DMA and Third Party to complete			
			2016
(5)	Subterranean Fauna studies	Bennelongia Environmental Consultants	Appendix E to the ER <i>Iron Valley Project: Subterranean Fauna Assessment February 2012</i> <i>BC Iron Limited – Iron Valley Project: Subterranean Fauna Assessment February 2016</i>
(6)	Vertebrate fauna	Bamford Consulting Ecologists	Appendix E to the ER <i>Vertebrate Fauna Assessment of the Iron Valley Project Area 2012</i> <i>Letter report update Implications of a revised impact footprint upon fauna values and adequacy of existing assessments</i>
(7)	Short Range endemic species study	Phoenix Environmental Sciences	Appendix E to the ER <i>The distribution of Aganippe ‘MYG086’ (Araneae: Idiopidae) in Western Australia – 2015.</i>
		Dalcon Environmental	Appendix E to the ER <i>Iron Valley Project – Targeted Terrestrial short range endemic invertebrate fauna survey - 2012</i>
(8)	Geochemistry Study	Soilwater Consultants	Appendix H to the ER <i>Iron Valley Project Below Water Table – Geochemical Investigation 2015</i>

## 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 [Referral of a Proposal under s38 of the EP Act EAG No.16 - Appendix A](#) (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 each 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.		
1	Factor, as defined in <a href="#">EAG 8</a>	Hydrological Processes (see section 5.3 of ER)
2	EPA Objective, as defined in <a href="#">EAG 8</a>	To maintain the hydrological regimes of groundwater and surface water so that existing and potentials uses, including ecosystem maintenance are protected.
3	Guidance - what established policies, guidelines, and standards apply to this factor in relation to the proposal?	Government of Western Australia – Department of Water. (2009). Operational policy no. 5.12 – Hydrological reporting associated with a groundwater well licence. Australian and New Zealand Guidelines for Fresh and Marine Water Quality (ANZECC/ARMCANZ 2000). EPA position statement 4 (environmental protection of wetlands)
4	Consultation - outline the need for consultation and the outcomes of any consultation in relation to the potential environmental impacts, including: <ul style="list-style-type: none"> <li>• <i>anticipated level of public interest in the impact;</i></li> <li>• <i>consultation with regulatory agencies; and</i></li> <li>• <i>consultation with community.</i></li> </ul>	Consultation has been undertaken with the Department of Water as to potential impacts on hydrological processes. Due to the remote location of the Project, it is not considered necessary to undertake further consultation with members of the public. It is likely that the level of public interest will be low. See Table 5 within the ER
5	Baseline information - describe the relevant characteristics of the receiving environment.  <i>This may include: regional context; known environmental values, current quality, sensitivity to impact, and current level of cumulative impacts.</i>	See section 5.3.2 and Appendix C of the ER
6	Impact assessment - describe the potential impact/s that may occur to the environmental factor as a result of implementing the proposal.	See Table 11 and Appendix C of the ER
7	Mitigation measures - what measures are proposed to mitigate the potential environmental impacts? The following should be addressed: <ul style="list-style-type: none"> <li>• <i>Avoidance - avoiding the adverse environmental impact altogether;</i></li> </ul>	See Table 11 of the ER

Proponent to complete. DMA and Third Party to complete to the best of their knowledge.		
	<ul style="list-style-type: none"> <li>• <i>Minimisation - limiting the degree or magnitude of the adverse impact;</i></li> <li>• <i>Rehabilitate – restoring the maximum environmental value that is reasonably practicable; and</i></li> <li>• <i>Offsets – actions that provide environmental benefits to counterbalance significant residual environmental impacts or risks of a project or activity.</i></li> </ul>	
8	<p>Residual impacts – review the residual impacts against the EPA objectives.</p> <p><i>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:</i></p> <ul style="list-style-type: none"> <li>• <i>quantifying the predicted impacts (extent, duration, etc.) acknowledging any uncertainty in predictions;</i></li> <li>• <i>putting the impacts into a regional or local context, incorporating knowable cumulative impacts; and</i></li> <li>• <i>comparison against any established environmental policies, guidelines, and standards.</i></li> </ul>	See Table 11 of the ER
9	EPA’s Objective – from your perspective and based on your review, which option applies to the proposal in relation to this factor? Refer to <a href="#">EAG 9</a>	<input checked="" type="checkbox"/> <i>meets the EPA’s objective – See Table 11 of the ER.</i> <input type="checkbox"/> <i>may meet the EPA’s objective</i> <input type="checkbox"/> <i>is unlikely to meet the EPA’s objective</i>
10	Describe any assumptions critical to your conclusion (in Question 9). e.g. <i>particular mitigation measures or regulatory conditions.</i>	It is assumed that regulatory conditions will be put in a Ministerial statement to control potential impacts. See Table 11 of the ER.

Proponent to complete. DMA and Third Party to complete to the best of their knowledge.		
1	Factor, as defined in <a href="#">EAG 8</a>	Inland Waters Environmental Quality – (See section 5.4 of ER)
2	EPA Objective, as defined in <a href="#">EAG 8</a>	To maintain the quality of groundwater and surface water, sediment and biota so that the environmental values, both ecological and social, are protected.
3	Guidance - what established policies, guidelines, and standards apply to this factor in relation to the proposal?	Australian and New Zealand Guidelines for Fresh and Marine Water Quality (ANZECC/ARMCANZ 2000). Government of Western Australia – Department of Water. (2009). Operational policy no. 5.12 – Hydrological reporting associated with a groundwater well licence. EPA Position Statement 4 (environmental protection of wetlands)
4	Consultation - outline the need for consultation and the outcomes of any consultation in relation to the potential environmental impacts, including: <ul style="list-style-type: none"> <li>• <i>anticipated level of public interest in the impact;</i></li> <li>• <i>consultation with regulatory agencies; and</i></li> <li>• <i>consultation with community.</i></li> </ul>	Consultation has been undertaken with the Department of Water as to potential impacts on hydrological processes. Due to the remote location of the Project, it is not considered necessary to undertake further consultation. See Table 5 of the ER.
5	Baseline information - describe the relevant characteristics of the receiving environment. <i>This may include: regional context; known environmental values, current quality, sensitivity to impact, and current level of cumulative impacts.</i>	See Section 5.4.2 and Appendix C of the ER
6	Impact assessment - describe the potential impact/s that may occur to the environmental factor as a result of implementing the proposal.	See Table 14 and Appendix C of the ER
7	Mitigation measures - what measures are proposed to mitigate the potential environmental impacts? The following should be addressed: <ul style="list-style-type: none"> <li>• <i>Avoidance - avoiding the adverse environmental impact altogether;</i></li> </ul>	See Table 14 of the ER

Proponent to complete. DMA and Third Party to complete to the best of their knowledge.		
	<ul style="list-style-type: none"> <li>• <i>Minimisation - limiting the degree or magnitude of the adverse impact;</i></li> <li>• <i>Rehabilitate – restoring the maximum environmental value that is reasonably practicable; and</i></li> <li>• <i>Offsets – actions that provide environmental benefits to counterbalance significant residual environmental impacts or risks of a project or activity.</i></li> </ul>	
8	<p>Residual impacts – review the residual impacts against the EPA objectives.</p> <p><i>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:</i></p> <ul style="list-style-type: none"> <li>• <i>quantifying the predicted impacts (extent, duration, etc.) acknowledging any uncertainty in predictions;</i></li> <li>• <i>putting the impacts into a regional or local context, incorporating knowable cumulative impacts; and</i></li> <li>• <i>comparison against any established environmental policies, guidelines, and standards.</i></li> </ul>	See Table 14 of the ER
9	<p>EPA’s Objective – from your perspective and based on your review, which option applies to the proposal in relation to this factor? Refer to <a href="#">EAG 9</a></p>	<input checked="" type="checkbox"/> <i>meets the EPA’s objective – See Table 14 of the ER.</i> <input type="checkbox"/> <i>may meet the EPA’s objective</i> <input type="checkbox"/> <i>is unlikely to meet the EPA’s objective</i>
10	<p>Describe any assumptions critical to your conclusion (in Question 9). <i>e.g. particular mitigation measures or regulatory conditions.</i></p>	<p>See Table 14 of the ER.</p> <ul style="list-style-type: none"> <li>• A works approval under the Environmental Protection Act 1986 (category 5c) will be submitted to the DER for approval.</li> </ul>

Proponent to complete. DMA and Third Party to complete to the best of their knowledge.		
		<ul style="list-style-type: none"> <li>• Water discharge licence and application of appropriate discharge standard.</li> <li>• Subject to approval, management based condition environmental management plan will be developed.</li> <li>• Subject to approval, a new ministerial statement for the Project with a specified abstraction amount. <ul style="list-style-type: none"> <li>• - RIWI licence amendment for groundwater abstraction permit will be obtained from DoW).</li> </ul> </li> </ul>

Proponent to complete. DMA and Third Party to complete to the best of their knowledge.		
1	Factor, as defined in <a href="#">EAG 8</a>	Flora and Vegetation (See section 5.5 of the ER)
2	EPA Objective, as defined in <a href="#">EAG 8</a>	To maintain representation, diversity, viability and ecological function at the species, population and community level.
3	Guidance - what established policies, guidelines, and standards apply to this factor in relation to the proposal?	See Table 15 of the ER Guidance statement 51 – Terrestrial flora and vegetation surveys for EIA in WA Position Statement 2 – Environmental protection of native vegetation in WA Position statement 3 – Terrestrial biological surveys as an element of biodiversity protection
4	Consultation - outline the need for consultation and the outcomes of any consultation in relation to the potential environmental impacts, including: <ul style="list-style-type: none"> <li>• <i>anticipated level of public interest in the impact;</i></li> <li>• <i>consultation with regulatory agencies; and</i></li> <li>• <i>consultation with community.</i></li> </ul>	Consultation has been undertaken with the EPA as to potential impacts on flora and vegetation. Due to the remote location of the Project, it is not considered necessary to undertake further consultation. See Table 5 of the ER.
5	Baseline information - describe the relevant characteristics of the receiving environment.  <i>This may include: regional context; known environmental values, current quality, sensitivity to impact, and current level of cumulative impacts.</i>	See section 5.5.2 and Appendix D of the ER

Proponent to complete. DMA and Third Party to complete to the best of their knowledge.		
6	Impact assessment - describe the potential impact/s that may occur to the environmental factor as a result of implementing the proposal.	See Table and Appendix D 16 of the ER
7	<p>Mitigation measures - what measures are proposed to mitigate the potential environmental impacts? The following should be addressed:</p> <ul style="list-style-type: none"> <li>• <i>Avoidance - avoiding the adverse environmental impact altogether;</i></li> <li>• <i>Minimisation - limiting the degree or magnitude of the adverse impact;</i></li> <li>• <i>Rehabilitate – restoring the maximum environmental value that is reasonably practicable; and</i></li> <li>• <i>Offsets – actions that provide environmental benefits to counterbalance significant residual environmental impacts or risks of a project or activity.</i></li> </ul>	See Table 16 of the ER.

Proponent to complete. DMA and Third Party to complete to the best of their knowledge.		
8	<p>Residual impacts – review the residual impacts against the EPA objectives.</p> <p><i>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:</i></p> <ul style="list-style-type: none"> <li>• <i>quantifying the predicted impacts (extent, duration, etc.) acknowledging any uncertainty in predictions;</i></li> <li>• <i>putting the impacts into a regional or local context, incorporating knowable cumulative impacts; and</i></li> <li>• <i>comparison against any established environmental policies, guidelines, and standards.</i></li> </ul>	See Table 16 of the ER
9	EPA’s Objective – from your perspective and based on your review, which option applies to the proposal in relation to this factor? Refer to <a href="#">EAG 9</a>	<input checked="" type="checkbox"/> <i>meets the EPA’s objective</i> – See Table 16 of the ER <input type="checkbox"/> <i>may meet the EPA’s objective</i> <input type="checkbox"/> <i>is unlikely to meet the EPA’s objective</i>
10	Describe any assumptions critical to your conclusion (in Question 9). <i>e.g. particular mitigation measures or regulatory conditions.</i>	<ul style="list-style-type: none"> <li>• Subject to approval, a new ministerial statement for the Project with a specified clearing limit, a defined Proposal Area and a condition relating to Offsets and Rehabilitation. See Appendix B to the ER</li> <li>• Subject to approval, may be conditional as part of the MS as was the AWT. A GDV management plan is currently in place for the AWT project. This will be expanded to include the BWT impact area. This will detail future monitoring and management objectives (management based conditional EMP).</li> <li>• Weed management will be in accordance with the requirements of the Agriculture and Related Resources Protection Act 1976.</li> </ul>

Proponent to complete. DMA and Third Party to complete to the best of their knowledge.		
1	Factor, as defined in <a href="#">EAG 8</a>	Terrestrial Fauna (See section 5.6 of ER)
2	EPA Objective, as defined in <a href="#">EAG 8</a>	To maintain representation, diversity, viability and ecological function at the species, population and assemblages level
3	Guidance - what established policies, guidelines, and standards apply to this factor in relation to the proposal?	See Table 17 of ER <ul style="list-style-type: none"> <li>• Guidance statement 20 – sampling of short range endemic invertebrate fauna for EIA in WA (2009)</li> <li>• EPA Position Statement No. 3, Terrestrial Biological Surveys as an Element of Biodiversity Protection (2002).</li> <li>• EPA Guidance No. 56, Terrestrial Fauna Surveys for Environmental Impact Assessment in Western Australia (2004).</li> </ul>
4	Consultation - outline the need for consultation and the outcomes of any consultation in relation to the potential environmental impacts, including: <ul style="list-style-type: none"> <li>• <i>anticipated level of public interest in the impact;</i></li> <li>• <i>consultation with regulatory agencies; and</i></li> <li>• <i>consultation with community.</i></li> </ul>	Consultation has been undertaken with the EPA as to potential impacts on fauna. Due to the remote location of the Project, it is not considered necessary to undertake further consultation. See Table 5 of the ER
5	Baseline information - describe the relevant characteristics of the receiving environment.  <i>This may include: regional context; known environmental values, current quality, sensitivity to impact, and current level of cumulative impacts.</i>	See section 5.6.2 and Appendix E of the ER
6	Impact assessment - describe the potential impact/s that may occur to the environmental factor as a result of implementing the proposal.	See Table 18 and Appendix E of the ER
7	Mitigation measures - what measures are proposed to mitigate the potential environmental impacts? The following should be addressed: <ul style="list-style-type: none"> <li>• <i>Avoidance - avoiding the adverse environmental impact altogether;</i></li> </ul>	See Table 18 of the ER



Proponent to complete. DMA and Third Party to complete to the best of their knowledge.		
	<ul style="list-style-type: none"> <li>• <i>Minimisation - limiting the degree or magnitude of the adverse impact;</i></li> <li>• <i>Rehabilitate – restoring the maximum environmental value that is reasonably practicable; and</i></li> <li>• <i>Offsets – actions that provide environmental benefits to counterbalance significant residual environmental impacts or risks of a project or activity.</i></li> </ul>	
8	<p>Residual impacts – review the residual impacts against the EPA objectives.</p> <p><i>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:</i></p> <ul style="list-style-type: none"> <li>• <i>quantifying the predicted impacts (extent, duration, etc.) acknowledging any uncertainty in predictions;</i></li> <li>• <i>putting the impacts into a regional or local context, incorporating knowable cumulative impacts; and</i></li> <li>• <i>comparison against any established environmental policies, guidelines, and standards.</i></li> </ul>	See Table 18 of the ER.
9	EPA’s Objective – from your perspective and based on your review, which option applies to the proposal in relation to this factor? Refer to <a href="#">EAG 9</a>	<input checked="" type="checkbox"/> <i>meets the EPA’s objective</i> <input type="checkbox"/> <i>may meet the EPA’s objective</i> <input type="checkbox"/> <i>is unlikely to meet the EPA’s objective</i>
10	Describe any assumptions critical to your conclusion (in Question 9). <i>e.g. particular mitigation measures or regulatory conditions.</i>	<p>See Table 18 of the ER</p> <ul style="list-style-type: none"> <li>• Subject to approval, a new ministerial statement for the Project with a specified clearing limit, a defined Proposal Area and a condition relating to management of terrestrial fauna.</li> </ul>

Proponent to complete. DMA and Third Party to complete to the best of their knowledge.		
		<ul style="list-style-type: none"> <li>• Impacts to EPBC species managed through discussions with DotE.</li> <li>• Subject to approval, a new ministerial statement, with a specified discharge limit for water into Weeli Wolli Creek.</li> <li>• Management based condition environmental management plan will be developed.</li> <li>• Likely outcome management based condition relating to discharge limits.</li> <li>• Likely management based condition relating to further study on fauna in Weeli Wolli Creek to refine discharge limits.</li> </ul>

Proponent to complete. DMA and Third Party to complete to the best of their knowledge.		
1	Factor, as defined in <a href="#">EAG 8</a>	Subterranean Fauna (See section 5.7)
2	EPA Objective, as defined in <a href="#">EAG 8</a>	To maintain representation, diversity, viability and ecological function at the species, population and assemblage level
3	Guidance - what established policies, guidelines, and standards apply to this factor in relation to the proposal?	See Table 19 of ER Consideration of subterranean fauna in environmental impact assessment in Western Australia (EAG 12).
4	Consultation - outline the need for consultation and the outcomes of any consultation in relation to the potential environmental impacts, including: <ul style="list-style-type: none"> <li>• <i>anticipated level of public interest in the impact;</i></li> <li>• <i>consultation with regulatory agencies; and</i></li> <li>• <i>consultation with community.</i></li> </ul>	Consultation has been undertaken with the EPA as to potential impacts on fauna. Due to the remote location of the Project, it is not considered necessary to undertake further consultation. See Table 5 of the ER.
5	Baseline information - describe the relevant characteristics of the receiving environment.  <i>This may include: regional context; known environmental values, current quality, sensitivity to impact, and current level of cumulative impacts.</i>	See section 5.7.2 and Appendix E of the ER

Proponent to complete. DMA and Third Party to complete to the best of their knowledge.		
6	Impact assessment - describe the potential impact/s that may occur to the environmental factor as a result of implementing the proposal.	See Table 21 and Appendix E of the ER
7	<p>Mitigation measures - what measures are proposed to mitigate the potential environmental impacts? The following should be addressed:</p> <ul style="list-style-type: none"> <li>• <i>Avoidance - avoiding the adverse environmental impact altogether;</i></li> <li>• <i>Minimisation - limiting the degree or magnitude of the adverse impact;</i></li> <li>• <i>Rehabilitate – restoring the maximum environmental value that is reasonably practicable; and</i></li> <li>• <i>Offsets – actions that provide environmental benefits to counterbalance significant residual environmental impacts or risks of a project or activity.</i></li> </ul>	See Table 21 of the ER

Proponent to complete. DMA and Third Party to complete to the best of their knowledge.		
8	<p>Residual impacts – review the residual impacts against the EPA objectives.</p> <p><i>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:</i></p> <ul style="list-style-type: none"> <li>• <i>quantifying the predicted impacts (extent, duration, etc.) acknowledging any uncertainty in predictions;</i></li> <li>• <i>putting the impacts into a regional or local context, incorporating knowable cumulative impacts; and</i></li> <li>• <i>comparison against any established environmental policies, guidelines, and standards.</i></li> </ul>	See Table 21 of the ER.
9	EPA’s Objective – from your perspective and based on your review, which option applies to the proposal in relation to this factor? Refer to <a href="#">EAG 9</a>	<input checked="" type="checkbox"/> <i>meets the EPA’s objective</i> – See Table 21 of the ER <input type="checkbox"/> <i>may meet the EPA’s objective</i> <input type="checkbox"/> <i>is unlikely to meet the EPA’s objective</i>
10	Describe any assumptions critical to your conclusion (in Question 9). <i>e.g. particular mitigation measures or regulatory conditions.</i>	See Appendix B to the ER. Condition within the Ministerial Statement limiting amount of dewatering and discharge.

Proponent to complete. DMA and Third Party to complete to the best of their knowledge.		
1	Factor, as defined in <a href="#">EAG 8</a>	Rehabilitation and decommissioning (see section 5.8)
2	EPA Objective, as defined in <a href="#">EAG 8</a>	To ensure that premises can be closed, decommissioned and rehabilitated in an ecologically sustainable manner, consistent with agreed outcomes and land uses, and without unacceptable liability to the state.
3	Guidance - what established policies, guidelines, and standards apply to this factor in relation to the	See Table 22 of the ER

Proponent to complete. DMA and Third Party to complete to the best of their knowledge.		
	proposal?	Guidelines for preparing mine closure plans (2015) Guidance for the assessment of environmental factors -Rehabilitation of terrestrial ecosystems (2006)
4	<p>Consultation - outline the need for consultation and the outcomes of any consultation in relation to the potential environmental impacts, including:</p> <ul style="list-style-type: none"> <li>• <i>anticipated level of public interest in the impact;</i></li> <li>• <i>consultation with regulatory agencies; and</i></li> <li>• <i>consultation with community.</i></li> </ul>	<p>Due to the remote location of the Project, it is not considered necessary to undertake further consultation.</p> <p>See Table 5 of the ER</p>
5	<p>Baseline information - describe the relevant characteristics of the receiving environment.</p> <p><i>This may include: regional context; known environmental values, current quality, sensitivity to impact, and current level of cumulative impacts.</i></p>	See Section 5.8.2 of the ER
6	Impact assessment - describe the potential impact/s that may occur to the environmental factor as a result of implementing the proposal.	See Table 23 and Appendix F of the ER
7	<p>Mitigation measures - what measures are proposed to mitigate the potential environmental impacts? The following should be addressed:</p> <ul style="list-style-type: none"> <li>• <i>Avoidance - avoiding the adverse environmental impact altogether;</i></li> <li>• <i>Minimisation - limiting the degree or magnitude of the adverse impact;</i></li> <li>• <i>Rehabilitate – restoring the maximum environmental value that is reasonably practicable; and</i></li> <li>• <i>Offsets – actions that provide environmental benefits to counterbalance significant residual environmental impacts or risks of a project or</i></li> </ul>	See Table 23 and Appendix F of the ER.

Proponent to complete. DMA and Third Party to complete to the best of their knowledge.		
	<i>activity.</i>	
8	<p>Residual impacts – review the residual impacts against the EPA objectives.</p> <p><i>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:</i></p> <ul style="list-style-type: none"> <li><i>quantifying the predicted impacts (extent, duration, etc.) acknowledging any uncertainty in predictions;</i></li> <li><i>putting the impacts into a regional or local context, incorporating knowable cumulative impacts; and</i></li> <li><i>comparison against any established environmental policies, guidelines, and standards.</i></li> </ul>	See Table 23 and Appendix F of the ER.
9	EPA’s Objective – from your perspective and based on your review, which option applies to the proposal in relation to this factor? Refer to <a href="#">EAG 9</a>	<input checked="" type="checkbox"/> <i>meets the EPA’s objective</i> see Table 23 <input type="checkbox"/> <i>may meet the EPA’s objective</i> <input type="checkbox"/> <i>is unlikely to meet the EPA’s objective</i>
10	Describe any assumptions critical to your conclusion (in Question 9). <i>e.g. particular mitigation measures or regulatory conditions.</i>	<ul style="list-style-type: none"> <li>A mining proposal and mine closure will be prepared and submitted to the DMP for approval.</li> <li>Mining Act 1978</li> </ul>

Proponent to complete. DMA and Third Party to complete to the best of their knowledge.		
1	Factor, as defined in <a href="#">EAG 8</a>	Offsets – (See section 5.9 of the ER)
2	EPA Objective, as defined in <a href="#">EAG 8</a>	To counterbalance any significant residual environmental impacts or uncertainty through the application of offsets.

Proponent to complete. DMA and Third Party to complete to the best of their knowledge.		
3	Guidance - what established policies, guidelines, and standards apply to this factor in relation to the proposal?	See table 24 of the ER WA environmental offsets policy (EPA 2011) WA Environmental offsets guidelines (EPA 2014b)
4	Consultation - outline the need for consultation and the outcomes of any consultation in relation to the potential environmental impacts, including: <ul style="list-style-type: none"> <li>• <i>anticipated level of public interest in the impact;</i></li> <li>• <i>consultation with regulatory agencies; and</i></li> <li>• <i>consultation with community.</i></li> </ul>	Due to the remote location of the Project, it is not considered necessary to undertake further consultation. Consultation will be undertaken with the DER and DMP. See Table 5 of the ER
5	Baseline information - describe the relevant characteristics of the receiving environment.  <i>This may include: regional context; known environmental values, current quality, sensitivity to impact, and current level of cumulative impacts.</i>	See section 5.9.2 of the ER
6	Impact assessment - describe the potential impact/s that may occur to the environmental factor as a result of implementing the proposal.	See Table 25 of the ER Removal of 314 ha of good to excellent vegetation
7	Mitigation measures - what measures are proposed to mitigate the potential environmental impacts? The following should be addressed: <ul style="list-style-type: none"> <li>• <i>Avoidance - avoiding the adverse environmental impact altogether;</i></li> <li>• <i>Minimisation - limiting the degree or magnitude of the adverse impact;</i></li> <li>• <i>Rehabilitate – restoring the maximum environmental value that is reasonably practicable; and</i></li> <li>• <i>Offsets – actions that provide environmental benefits to counterbalance significant residual environmental impacts or risks of a project or</i></li> </ul>	See Table 25 of the ER

Proponent to complete. DMA and Third Party to complete to the best of their knowledge.		
	<i>activity.</i>	
8	<p>Residual impacts – review the residual impacts against the EPA objectives.</p> <p><i>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:</i></p> <ul style="list-style-type: none"> <li>• <i>quantifying the predicted impacts (extent, duration, etc.) acknowledging any uncertainty in predictions;</i></li> <li>• <i>putting the impacts into a regional or local context, incorporating knowable cumulative impacts; and</i></li> <li>• <i>comparison against any established environmental policies, guidelines, and standards.</i></li> </ul>	<p>See Table 25 of the ER</p> <p>The proposed offset will counterbalance the residual impact of clearance of native vegetation in the Pilbara Region.</p>
9	<p>EPA’s Objective – from your perspective and based on your review, which option applies to the proposal in relation to this factor? Refer to <a href="#">EAG 9</a></p>	<p><input checked="" type="checkbox"/> <i>meets the EPA’s objective – See Table 25 of the ER.</i></p> <p><input type="checkbox"/> <i>may meet the EPA’s objective</i></p> <p><input type="checkbox"/> <i>is unlikely to meet the EPA’s objective</i></p>
10	<p>Describe any assumptions critical to your conclusion (in Question 9). <i>e.g. particular mitigation measures or regulatory conditions.</i></p>	<p>A condition regarding offsets will be detailed in the ministerial statement.</p>