


# Form

## Referral of a proposal under s. 38 of the EP Act

PART A: PROPONENT AND REFERRER INFORMATION AND PROPOSAL DESCRIPTION			
<b>Referrer information</b>			
<b>Who is referring this proposal?</b>		<input checked="" type="checkbox"/> Proponent <input type="checkbox"/> Decision-making authority <input type="checkbox"/> Community member/third party	
<b>Name (print)</b> Chris Serginson <i>Name of the person or organisation referring</i>		<b>Signature</b> 	
<b>Position</b>	Manager Environment	<b>Organisation</b>	BHP Iron Ore Pty Ltd
<b>Email</b>	chris.serginson@bhp.com	<b>Phone</b>	9609 3333
<b>Address</b>	125 St Georges Terrace		
	Perth WA 6000		
<b>Date</b>	26 January 2023		
Does the referrer request that the EPA treat any part of the proposal information in the referral as confidential? <i>Provide confidential information in a separate attachment.</i>		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Does the referrer confirm that they consent to receive correspondence electronically?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Referral declaration for proponent and Authorised representative: I, <u>Chris Serginson</u> declare that I am authorised to refer this proposal on behalf of BHP Iron Ore Pty Ltd and further declare that the information contained in this form is true and not misleading.  Date: 26 January 2023			
<b>Proponent information</b>			
<b>Name of the proponent/s</b> <i>Include Trading Name if relevant</i>		BHP Iron Ore Pty Ltd	
Australian Company Number(s) <input type="checkbox"/>	<input type="checkbox"/>	ABN: 46 008 700 981	
<b>OR</b>			
Australian Business Number(s) <input type="checkbox"/>	<input type="checkbox"/>		
<b>Pre-referral discussions</b>			
<b>Have you had pre-referral discussions with the EPA (including the EPA Services of DWER)?</b>		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

<p><i>If so, provide name, date, and overview of discussions.</i></p>	<p>10 June 2021 Pre-referral meeting with Dehlia Goundrey and Rachel Vukmirovic, to introduce the Proposal, studies and modelling, significant environmental values, potential impacts and proposed management measures.</p> <p>2 August 2022 Site visit - EPA Chair Professor Matthew Tonts, Kathryn Schell and Cassie Bell visited the Western Ridge proposal area. BHP representatives provided an overview of the proposal, predicted impacts and proposed management.</p> <p>26 October 2022 further pre-referral meeting with Cassie Bell to provide an update on the Proposal including modifications to design, Traditional Owner engagement and proposed timing.</p> <p>21 November 2022 Meeting with EPA Chair, Professor Matthew Tonts, Shaun Meredith, Michael Christensen, Danielle Griffiths and Cassie Bell to discuss GHG emissions and management.</p> <p>15 December 2022 EPA Board meeting – BHP presented on implementation of the Strategic Proposal and the GHG emissions baseline, reduction targets and decarbonisation for the Western Ridge Proposal.</p>
<p><b>Proposal information</b></p>	
<p><b>Proposal name</b></p>	<p>Newman Hub (Western Ridge) Derived Proposal</p>
<p><b>What is the proposal? (Include general description in the <a href="#">Instructions and template: How to identify the content of a proposal</a>)</b></p>	<p>The Proposal includes above and below water table mining of four iron ore deposits, namely Eastern Syncline, Bill’s Hill, Silver Knight and Mount Helen at Western Ridge, including, overburden storage areas, ore and topsoil stockpiles, haul and access roads, overland conveyor, 30 Mtpa crusher, creek diversions and non-process infrastructure.</p>
<p><b>Have you provided electronic spatial data, maps, and figures in the appropriate format?</b></p>	<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p><b>What type of proposal is being referred?</b>  <i>For significant amendment or derived proposal, provide</i></p>	<p><input type="checkbox"/> significant proposal. <i>Choose which type of significant proposal</i></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> new proposal</li> <li><input type="checkbox"/> significant amendment (proposal only)</li> <li><input type="checkbox"/> significant amendment (conditions only)</li> <li><input type="checkbox"/> significant amendment (proposal and conditions)</li> </ul>

<p><i>the associated existing Ministerial statement number/s</i></p> <p><i>For a proposal under an assessed planning scheme, provide the scheme number and name</i></p>	<input type="checkbox"/> strategic proposal <input checked="" type="checkbox"/> derived proposal <input type="checkbox"/> proposals of a prescribed class <input type="checkbox"/> proposal under an assessed planning scheme
<p><b>Proposal content:</b> Complete the corresponding template (Proposal Content Document) from the <a href="#">Instructions and template: How to identify the content of a proposal</a> for the type of proposal identified above. The completed form <b>must be</b> submitted with the referral.</p>	
<p><b>Alternatives</b></p>	<p>The Proposal is required to sustain supply of ore as existing resources become depleted and therefore there are no alternatives for access to ore.</p> <p>Alternatives have been considered in the mine design including, in relation to the transportation of ore, with use of trucking and overland conveying selected in preference over trucking alone, in order to reduce both dust and greenhouse gas emissions. Refer to the supporting Environmental Review document for more information.</p>

## PART B: ASSESSMENT OF ENVIRONMENTAL IMPACTS

### Environmental factors

<p>What are the likely significant environmental factors for this proposal?</p>	<input type="checkbox"/> Benthic Communities and Habitat <input type="checkbox"/> Coastal Processes <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"/> Inland Waters <input checked="" type="checkbox"/> Air Quality <input checked="" type="checkbox"/> Greenhouse Gas Emissions <input checked="" type="checkbox"/> Social Surroundings <input type="checkbox"/> Human Health
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*For **each** of the environmental factors identified above, complete the following table, or provide the information in a supplementary report*

### Potential environmental impacts – Flora and Vegetation

<p><b>EPA policy and guidance</b></p>	<p>Refer to Section 5.2 of the Environmental Review Document</p>
<p><b>Receiving environment</b></p>	<p>Refer to Section 5.3 of the Environmental Review Document:</p>
<p><b>Likely environmental impacts</b></p>	<p>Refer to Section 5.4 of the Environmental Review Document</p>

<b>Application of the mitigation hierarchy</b>	Refer to Section 5.5 of the Environmental Review Document
<b>Assessment and significance of residual impacts</b>	Refer to Section 5.6 of the Environmental Review document.
<b>Likely environmental outcomes</b>	Refer to Section 5.7 of the Environmental Review document.
<b>Potential environmental impacts – Terrestrial Fauna</b>	
<b>EPA policy and guidance</b>	Refer to Section 6.2 of the Environmental Review Document
<b>Receiving environment</b>	Refer to Section 6.3 of the Environmental Review Document
<b>Likely environmental impacts</b>	Refer to Section 6.4 of the Environmental Review Document
<b>Application of the mitigation hierarchy</b>	Refer to Section 6.5 of the Environmental Review Document
<b>Assessment and significance of residual impacts</b>	Refer to Section 6.6 of the Environmental Review Document.
<b>Likely environmental outcomes</b>	Refer to Section 6.7 of the Environmental Review Document.
<b>Potential environmental impacts – Subterranean Fauna</b>	
<b>EPA policy and guidance</b>	Refer to Section 7.2 of the Environmental Review Document.
<b>Receiving environment</b>	Refer to Section 7.3 of the Environmental Review Document.
<b>Likely environmental impacts</b>	Refer to Section 7.4 of the Environmental Review Document.
<b>Application of the mitigation hierarchy</b>	Refer to Section 7.5 of the Environmental Review Document.
<b>Assessment and significance of residual impacts</b>	Refer to Section 7.6 of the Environmental Review Document.
<b>Likely environmental outcomes</b>	Refer to Section 7.7 of the Environmental Review Document.
<b>Potential environmental impacts – Inland Waters</b>	

<b>EPA policy and guidance</b>	Refer to Section 8.2 of the Environmental Review Document.
<b>Receiving environment</b>	Refer to Section 8.3 of the Environmental Review Document.
<b>Likely environmental impacts</b>	Refer to Section 8.4 of the Environmental Review Document.
<b>Application of the mitigation hierarchy</b>	Refer to Section 8.5 of the Environmental Review Document.
<b>Assessment and significance of residual impacts</b>	Refer to Section 8.6 of the Environmental Review Document.
<b>Likely environmental outcomes</b>	Refer to Section 8.7 of the Environmental Review Document.
<b>Potential environmental impacts – Air Quality</b>	
<b>EPA policy and guidance</b>	Refer to Section 9.2 of the Environmental Review Document.
<b>Receiving environment</b>	Refer to Section 9.3 of the Environmental Review Document.
<b>Likely environmental impacts</b>	Refer to Section 9.4 of the Environmental Review Document.
<b>Application of the mitigation hierarchy</b>	Refer to Section 9.5 of the Environmental Review Document.
<b>Assessment and significance of residual impacts</b>	Refer to Section 9.6 of the Environmental Review Document.
<b>Likely environmental outcomes</b>	Refer to Section 9.7 of the Environmental Review Document.
<b>Potential environmental impacts – Greenhouse Gas Emissions</b>	
<b>EPA policy and guidance</b>	Refer to Section 10.2 of the Environmental Review Document.
<b>Receiving environment</b>	Refer to Section 10.3 of the Environmental Review Document.
<b>Likely environmental impacts</b>	Refer to Section 10.4 of the Environmental Review Document.
<b>Application of the mitigation hierarchy</b>	Refer to Section 10.5 of the Environmental Review Document.
<b>Assessment and significance of residual impacts</b>	Refer to Section 10.6 of the Environmental Review Document.
<b>Likely environmental outcomes</b>	Refer to Section 10.7 of the Environmental Review Document.
<b>Potential environmental impacts – Social Surroundings</b>	

<b>EPA policy and guidance</b>	Refer to Section 11.2 of the Environmental Review Document.
<b>Receiving environment</b>	Refer to Section 11.3 of the Environmental Review Document.
<b>Likely environmental impacts</b>	Refer to Section 11.4 of the Environmental Review Document.
<b>Application of the mitigation hierarchy</b>	Refer to Section 11.5 of the Environmental Review Document.
<b>Assessment and significance of residual impacts</b>	Refer to Section 11.6 of the Environmental Review Document.
<b>Likely environmental outcomes</b>	Refer to Section 11.7 of the Environmental Review Document.
<b>Holistic impact assessment</b>	
BHP has undertaken a holistic impact assessment for the Proposal. Please refer to Section 14 of the Environmental Review Document.	
<b>Cumulative environmental impact assessment</b>	
BHP has undertaken a cumulative impact assessment for its Pilbara iron ore operations as part of the Strategic Proposal. Refer to Section 15 of the Environmental Review Document.	
<b>Consultation</b>	
BHP has undertaken stakeholder consultation in relation to the Proposal. Please refer to Section 3 and Section 3.2 and Section 11.3.2 of the Environmental Review Document.	
<b>Supporting documents</b>	
Provide a list of the supporting documents <ul style="list-style-type: none"> <li>• Western Ridge Proposal Content Document</li> <li>• Western Ridge Derived Proposal Request and supporting appendices.</li> </ul>	
Has the referrer provided survey information according to the <a href="#">Instructions and Form: IBSA Data Packages</a> and/or the <a href="#">Instructions and form: IMSA Data Packages</a>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Conclusion</b>	
Do you consider the proposal may have a significant effect on the environment? BHP has undertaken an assessment of the potential significance of impacts in relation to the key environmental factors. Please refer to the attached Derived Proposal Request and supporting appendices.	

## **PART B: ASSESSMENT OF ENVIRONMENTAL IMPACTS FOR SIGNIFICANT AMENDMENTS ONLY**

<b>Type of significant amendment</b>	<input type="checkbox"/> significant amendment to the approved proposal <input type="checkbox"/> significant amendment to the implementation conditions <input type="checkbox"/> significant amendment to both the proposal and the implementation conditions
<b>Information of the approved proposal</b>	N/A

<b>Combined effects of the approved proposal and significant amendment</b>	N/A
<b>Analysis of existing implementation conditions</b>	N/A
<b>Previous changes to the Proposal and or implementation conditions</b>	N/A
<b>Compliance</b>	N/A
<b>Environmental Performance</b>	N/A
<b>Control of implementation of significant amendment</b>	N/A

**PART B: ASSESSMENT OF ENVIRONMENTAL IMPACTS FOR A PROPOSAL UNDER AN ASSESSED SCHEME ONLY**

What new environmental issues are raised by the proposal that were not assessed during the assessment of the planning scheme?	N/A
How does the proposal not comply with the assessed scheme and/or the environmental conditions in the assessed planning scheme?	N/A

**PART B: ASSESSMENT OF ENVIRONMENTAL IMPACTS FOR DERIVED PROPOSALS ONLY**

Demonstrate how the proposal will meet the environmental outcomes defined through the assessment of the strategic proposal	BHP has undertaken a validation of the potential impacts of the Proposal against the predicted impacts of the Strategic Proposal. The predicted impacts of the Proposal are within the limits of what has been assessed and approved under the Strategic Proposal MS 1105. Refer to Sections 5 to 11 of the Environmental Review Document.
Provide an analysis of the existing implementation conditions of the related strategic proposal in relation to the derived proposal	BHP has assessed the conditions of the Strategic Proposal MS1105 and identified conditions relevant to this Proposal. Refer to Sections 5 to 11 of the Environmental Review Document.

**PART C: OTHER APPROVALS AND REGULATION**

**Decision-making authorities and their approvals**

Provide a table list of the decision-making authorities, associated legislation or agreement regulating the activity and the specific approval required. (Example table at the end of form)	BHP has considered other statutory decision making authorities and processes. Refer to Sections 5 to 11 of the Environmental Review Document.
Provide a summary of the statutory decision-making processes you consider can mitigate the potential impacts of the proposal on the environment. (Note: this should be a summary of the information provided in Part B section 2.4).	Refer to Sections 5 to 11 of the Environmental Review Document.
<b>Tenure and Local Government approvals</b>	
Location of proposal: 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 Proposal is located approximately 2 km southwest of Newman in the Pilbara region of Western Australia.
Name of the Local Government Authority in which the proposal is located.	Shire of East Pilbara
Is rezoning of any land required before the proposal can be implemented? If yes, please provide details.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
What is the current land use on the property, and the extent (area in hectares) of the property?	The current land use in the Development Envelope is mining exploration by BHP. The total extent of the Development Envelope is 7234 ha.
Does the proponent have the legal access required for the implementation of all aspects of the proposal? <i>If yes, provide details of legal access authorisations / agreements / tenure.</i> <i>If no, what authorisations / agreements / tenure is required and from whom?</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No The majority of the Proposal is situated on existing tenure, being Mining Lease 266SA (M266SA) held pursuant to the McCamey's State Agreement. The ore mined as part of this Proposal will be processed at the existing approved Newman Hub located on Mineral Lease 244SA (ML244SA) held pursuant to the Newman State Agreement. In addition, conversions into McCamey's State Agreement tenure and the grant of new infrastructure tenure (Miscellaneous Licence and General Purpose Lease) will be required. Refer to Section 1.3.3 of the Environmental Review Document.
<b>Commonwealth Government approvals</b>	
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)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No BHP is preparing a Validation Notice for the Proposal under its Strategic Assessment Program, which was approved on 19 June



	2017. Refer to section 1.2.4 of the Environmental Review Document.
Has the proposed action been referred? If yes, when was it referred and what is the reference number (EPBC No.)?	<input type="checkbox"/> Yes <span style="float: right;"><input checked="" type="checkbox"/> No</span> Date: _____ EPBC No.: _____
If referred, has a decision been made on whether the proposed action is a controlled action? If 'yes', check the appropriate box and provide the decision in an attachment.	<input type="checkbox"/> Yes <span style="float: right;"><input checked="" type="checkbox"/> No</span> <input type="checkbox"/> Decision – controlled action <input type="checkbox"/> Decision – not a controlled action
If the proposal is determined to be a controlled action, do you request that this proposal be assessed under a Bilateral Agreement or as an accredited assessment?	<input type="checkbox"/> Yes - Bilateral <span style="float: right;"><input checked="" type="checkbox"/> No</span> <input type="checkbox"/> Yes - Accredited
Is approval required from other Commonwealth Government/s for any part of the proposal? <i>If yes, describe.</i>	<input type="checkbox"/> Yes <span style="float: right;"><input checked="" type="checkbox"/> No</span> Approval:
<b>Decision-making authority referrals <u>ONLY</u></b>	
What approval/s, under your authority, are required for this proposal? <i>Please provide details.</i>	N/A

**Example Table:** Other approvals

Decision-making authority	Legislation or Agreement regulating the activity	Approval required (and specify which proposal element the approval is related to)	Whether and how statutory decision-making process can mitigate impacts on the environment? (Yes/No and summary of reasons. Include a separate line item for each relevant impact, and discuss how the EPA's factor objective will be met)