



## Environmental Protection Authority

### Referral of a Proposal by the Proponent to the Environmental Protection Authority under Section 38(1) of the *Environmental Protection Act 1986*.

**EPA REFERRAL  
FORM  
PROPONENT**

#### PURPOSE OF THIS FORM

Section 38(1) of the *Environmental Protection Act 1986* (EP Act) provides that where a development proposal is likely to have a significant effect on the environment, a proponent may refer the proposal to the Environmental Protection Authority (EPA) for a decision on whether or not it requires assessment under the EP Act. This form sets out the information requirements for the referral of a proposal by a proponent.

Proponents are encouraged to familiarise themselves with the EPA's *General Guide on Referral of Proposals* [see Environmental Impact Assessment/Referral of Proposals and Schemes] before completing this form.

A referral under section 38(1) of the EP Act by a proponent to the EPA must be made on this form. A request to the EPA for a declaration under section 39B (derived proposal) must be made on this form. This form will be treated as a referral provided all information required by Part A has been included and all information requested by Part B has been provided to the extent that it is pertinent to the proposal being referred. Referral documents are to be submitted in two formats – hard copy and electronic copy. The electronic copy of the referral will be provided for public comment for a period of 7 days, prior to the EPA making its decision on whether or not to assess the proposal.

#### CHECKLIST

Before you submit this form, please check that you have:


	Yes	No
Completed all the questions in Part A (essential).	✓	
Completed all applicable questions in Part B.	✓	
Included Attachment 1 – location maps.	✓	
Included Attachment 2 – additional document(s) the proponent wishes to provide (if applicable).	✓	
Included Attachment 3 – confidential information (if applicable).		✓ N/A
Enclosed an electronic copy of all referral information, including spatial data and contextual mapping but excluding confidential information.	✓	

Following a review of the information presented in this form, please consider the following question (a response is optional).

Do you consider the proposal requires formal environmental impact assessment?	
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Not sure
If yes, what level of assessment?	
<input checked="" type="checkbox"/> Assessment on Proponent Information	<input type="checkbox"/> Public Environmental Review

**PROPONENT DECLARATION** (to be completed by the proponent)

I, Michael Gollschewski (*full name*) declare that I am authorised on behalf of Hamersley Iron – Yandi Pty Limited (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 Gollschewski
Position	Managing Director Pilbara Mines	Company	Rio Tinto Iron Ore
Date	4 July 2014		

## PART A - PROPONENT AND PROPOSAL INFORMATION

(All fields of Part A must be completed for this document to be treated as a referral)

### 1 PROPONENT AND PROPOSAL INFORMATION

#### 1.1 Proponent

Name	Hamersley Iron - Yandi Pty Limited
Joint Venture parties (if applicable)	N/A
Australian Company Number (if applicable)	ABN: 009 181 793
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: <ul style="list-style-type: none"> <li>• name</li> <li>• address</li> <li>• phone</li> <li>• email</li> </ul>	Ms Melinda Brand Principal Advisor Environmental Approvals Rio Tinto Tel: (08) 6211 6991 Fax: (08) 9327 2696 E-mail: melinda.brand@riotinto.com
Consultant for the proposal (if applicable): <ul style="list-style-type: none"> <li>• name</li> <li>• address</li> <li>• phone</li> <li>• email</li> </ul>	N/A

#### 1.2 Proposal

Title	Yandicoogina Pocket and Billiard South Iron Ore Mine
Description	Construction and operation of a major brownfields Iron Ore mining operation at Yandicoogina in the central Pilbara region.
Extent (area) of proposed ground disturbance.	Up to 2,800 hectares
Timeframe in which the activity or development is proposed to occur (including start and finish dates where applicable).	Construction scheduled 2016 and production proposed to start in 2017. Project Life >16 years.
Details of any staging of the proposal.	N/A
Is the proposal a strategic proposal?	No
Is the proponent requesting a declaration that the proposal is a derived proposal? If so, provide the following information on the strategic assessment within which the referred proposal was identified: <ul style="list-style-type: none"> <li>• title of the strategic assessment; and</li> <li>• Ministerial Statement number.</li> </ul>	No
Please indicate whether, and in what way, the	The Proposal will involve connection

proposal is related to other proposals in the region.	to existing Rio Tinto mining operations at Yandicoogina and rail networks.
Does the proponent own the land on which the proposal is to be established? If not, what other arrangements have been established to access the land?	The entire Yandicoogina mining operation is contained within ML274SA held by Hamersley Iron – Yandi Pty Limited. The PBS project area is located within the Marillana Station Pastoral Lease (L3114984) held by a BHP Billiton subsidiary.
What is the current land use on the property, and the extent (area in hectares) of the property?	Pastoral land use. The proposed mining area is contained within Pastoral Lease L3114 984 (Marillana Station).

### 1.3 Location

Name of the Shire in which the proposal is located.	Shire of East Pilbara
For urban areas: <ul style="list-style-type: none"> <li>• street address;</li> <li>• lot number;</li> <li>• suburb; and</li> <li>• nearest road intersection.</li> </ul>	N/A
For remote localities: <ul style="list-style-type: none"> <li>• nearest town; and</li> <li>• distance and direction from that town to the proposal site.</li> </ul>	Approximately 90 km north-west of Newman and 300 km south-east of Dampier.
Electronic copy of spatial data - GIS or CAD, geo-referenced and conforming to the following parameters: <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: Arcview shapefile, Arcinfo coverages, Microstation or AutoCAD.</li> </ul>	Enclosed?: Yes  GIS polygons (Arcview shapefiles) are attached on CD

### 1.4 Confidential Information

Does the proponent wish to request the EPA to allow any part of the referral information to be treated as confidential?	No
If yes, is confidential information attached as a separate document in hard copy?	N/A

## 1.5 Government Approvals

Is rezoning of any land required before the proposal can be implemented? If yes, please provide details.		No	
Is approval required from any Commonwealth or State Government agency or Local Authority for any part of the proposal? If yes, please complete the table below.		Yes – Project will be referred under the EPBC Act	
Agency/Authority	Approval required	Application lodged Yes / No	Agency/Local Authority contact(s) for proposal
Department of Environment and Conservation	Works approvals and licences	No	N/A
Department of Water	Licences to take water and manage its use, and construct and alter wells	No	N/A
Department of Mines and Petroleum	Clearing permits	No	N/A
Shire of East Pilbara	Development approval under the Shire Town Planning Scheme No. 4	No	N/A

## PART B - ENVIRONMENTAL IMPACTS AND PROPOSED MANAGEMENT

### 2. ENVIRONMENTAL IMPACTS

Describe the impacts of the proposal on the following elements of the environment, by answering the questions contained in Sections 2.1-2.11:

- 2.1 flora and vegetation; [Section 5.2](#)
- 2.2 fauna; [Sections 5.3 and 5.4](#)
- 2.3 rivers, creeks, wetlands and estuaries; [Section 5.5](#)
- 2.4 significant areas and/ or land features; [Section 5](#)
- 2.5 coastal zone areas; [N/A](#)
- 2.6 marine areas and biota; [N/A](#)
- 2.7 water supply and drainage catchments; [Sections 5.5 and 5.6](#)
- 2.8 pollution; [Sections 5.6](#)
- 2.9 greenhouse gas emissions; [Section 5.10](#)
- 2.10 contamination [Sections 5.6](#); and
- 2.11 social surroundings. [Sections 5.7, 5.12 and 5.13.](#)

[Further detail is provided in the Referral Supporting Information Document. Relevant document sections are listed against the above items.](#)

These features should be shown on the site plan, where appropriate.

For all information, please indicate:

- (a) the source of the information; and
- (b) the currency of the information.

[Details regarding the sources and currency of information are provided in the Section 38 Referral Supporting Information Document.](#)

#### 2.1 Flora and Vegetation

2.1.1 Do you propose to clear any native flora and vegetation as a part of this proposal?

[A proposal to clear native vegetation may require a clearing permit under Part V of the EP Act (Environmental Protection (Clearing of Native Vegetation) Regulations 2004)]. Please contact the Department of Environment and Conservation (DEC) for more information.

(please tick)     Yes

**If yes**, complete the rest of this section.

**If no**, go to the next section

2.1.2 How much vegetation are you proposing to clear (in hectares)?

[Up to 2,800 ha.](#)

[This includes up to 2,500 ha in proposed mining/waste stockpiles and up to 300 ha for infrastructure.](#)

2.1.3 Have you submitted an application to clear native vegetation to the DEC (unless you are exempt from such a requirement)?

✓ No

**If yes**, on what date and to which office was the application submitted of the DEC?

2.1.4 Are you aware of any recent flora surveys carried out over the area to be disturbed by this proposal?

✓ Yes

**If yes**, please attach a copy of any related survey reports and provide the date and name of persons / companies involved in the survey(s).

**If no**, please do not arrange to have any biological surveys conducted prior to consulting with the DEC.

Hamersley Iron - Yandi Pty Limited has commissioned vegetation and flora surveys in the Pocket and Billiard South (**the Proposal**) area during 2009 and 2014 as a component of developing the Proposal. The key findings are described in Section 4.7 of the Referral Supporting Information Document.

2.1.5 Has a search of DEC records for known occurrences of rare or priority flora or threatened ecological communities been conducted for the site?

✓ Yes

If you are proposing to clear native vegetation for any part of your proposal, a search of DEC records of known occurrences of rare or priority flora and threatened ecological communities will be required. Please contact DEC for more information.

This has been completed as a component of the Proposal area vegetation and flora surveys. Further information is provided in Section 4.7 of the Referral Supporting Information Document.

2.1.6 Are there any known occurrences of rare or priority flora or threatened ecological communities on the site?

✓ Yes

**If yes**, please indicate which species or communities are involved and provide copies of any correspondence with DEC regarding these matters.

Although some occurrences of DRF and priority flora have been recorded in the broader Yandicoogina operations locality, surveys of the Proposal area to date have identified only one Priority 4 flora species occurring within the proposal area: *Goodenia nuda*. Further information is provided in Section 4.7 of the Referral Supporting Information Document.

2.1.7 If located within the Perth Metropolitan Region, is the proposed development within or adjacent to a listed Bush Forever Site? (You will need to contact the Bush Forever Office, at the Department for Planning and Infrastructure)



- No **If yes**, please indicate which Bush Forever Site is affected (site number and name of site where appropriate).

2.1.8 What is the condition of the vegetation at the site?

The vegetation surveys completed to date indicate that the project area does not contain a particularly high level of vegetation or plant species diversity for the Pilbara Bioregion.

Most of the vegetation mapped within the Proposal area was in Good to Very Good condition; however the vegetation mapped within the creekline and floodplain habitats ranged from Good to Very Poor condition due to weed invasion and disturbance from cattle.

## 2.2 Fauna

2.2.1 Do you expect that any fauna or fauna habitat will be impacted by the proposal?

(please tick)

Yes

**If yes**, complete the rest of this section.

**If no**, go to the next section.

2.2.2 Describe the nature and extent of the expected impact.

Up to 2,800 hectares of native habitat will be cleared. Further information is provided in Section 4.8 & 4.9 of the Referral Supporting Information Document.

2.2.3 Are you aware of any recent fauna surveys carried out over the area to be disturbed by this proposal?

Yes

**If yes**, please attach a copy of any related survey reports and provide the date and name of persons / companies involved in the survey(s).

**If no**, please do not arrange to have any biological surveys conducted prior to consulting with the DEC.

Hamersley Iron – Yandi Pty Limited has commissioned vertebrate fauna surveys in the Proposal area during 2009 and 2014 as a component of developing the Proposal. One Schedule 1 fauna species (Pilbara Olive Python) was recorded to the north of the proposal area; two Schedule 3 migratory avifauna (Fork-tailed swift and Rainbow Bee-eater) and Four Priority 4 fauna (Star Finch, Australian Bustard and Western Pebble-mound Mouse) were also recorded within the Proposal area. Details of the key findings are described in Section 4.8 and 4.9 of the Referral Supporting Information Document.

2.2.4 Has a search of DEC records for known occurrences of Specially Protected (threatened) fauna been conducted for the site?

Yes

(please tick)

2.2.5 Are there any known occurrences of Specially Protected (threatened) fauna on the site?

Yes

No

**If yes**, please indicate which species or communities are involved and provide copies of any correspondence with DEC regarding these matters.

Some Specially Protected (Threatened) fauna have been recorded within the Proposal area. Further information is provided in Section 4.8 of the Referral Supporting Information Document.

## 2.3 Rivers, Creeks, Wetlands and Estuaries

2.3.1 Will the development occur within 200 metres of a river, creek, wetland or estuary?

(please tick)

Yes

**If yes**, complete the rest of this section.

**If no**, go to the next section.

2.3.2 Will the development result in the clearing of vegetation within the 200 metre zone?

Yes

**If yes**, please describe the extent of the expected impact.

Clearing activities and landscape modification resulting from the development of mine pits and supporting access roads, ore handling and rail load-out facilities, waste dumps and flood protection structures at Weeli Wolli Creek.

2.3.3 Will the development result in the filling or excavation of a river, creek, wetland or estuary?

Yes

**If yes**, please describe the extent of the expected impact.

The Proposal is entirely located on the east side of Weeli Wolli creek, however the proposal will require a small encroachment of the mine pit into the mapped riparian woodland area of approximately 17ha. An additional 18ha of clearing within this area will also be required to support mine infrastructure including a flood protection levee and a creek crossing required to access the facilities at the existing Yandicoogina operations which are located on the western side of Weeli Wolli creek. Total clearing of approximately 35ha within the mapped riparian woodland extent

2.3.4 Will the development result in the impoundment of a river, creek, wetland or estuary?

No

**If yes**, please describe the extent of the expected impact.

2.3.5 Will the development result in draining to a river, creek, wetland or estuary?

Yes

**If yes**, please describe the extent of the expected impact.

2.3.6 Are you aware if the proposal will impact on a river, creek, wetland or estuary (or its buffer) within one of the following categories? (please tick)

Conservation Category Wetland	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> <b>No</b>	<input type="checkbox"/> Unsure
Environmental Protection (South West Agricultural Zone Wetlands) Policy 1998	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> <b>No</b>	<input type="checkbox"/> Unsure
Perth's Bush Forever site	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> <b>No</b>	<input type="checkbox"/> Unsure
Environmental Protection (Swan & Canning Rivers) Policy 1998	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> <b>No</b>	<input type="checkbox"/> Unsure
The management area as defined in s4(1) of the <i>Swan River Trust Act 1988</i>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> <b>No</b>	<input type="checkbox"/> Unsure
Which is subject to an international agreement, because of the importance of the wetland for waterbirds and waterbird habitats (e.g. Ramsar, JAMBA, CAMBA)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> <b>No</b>	<input type="checkbox"/> Unsure

## 2.4 Significant Areas and/ or Land Features

2.4.1 Is the proposed development located within or adjacent to an existing or proposed National Park or Nature Reserve?

**No** **If yes**, please provide details.

2.4.2 Are you aware of any Environmentally Sensitive Areas (as declared by the Minister under section 51B of the EP Act) that will be impacted by the proposed development?

**No** **If yes**, please provide details.

2.4.3 Are you aware of any significant natural land features (e.g. caves, ranges etc) that will be impacted by the proposed development?

Yes

**No** **If yes**, please provide details.

## 2.5 Coastal Zone Areas (Coastal Dunes and Beaches)

2.5.1 Will the development occur within 300metres of a coastal area?

(please tick)  No

**If yes**, complete the rest of this section.

**If no**, go to the next section.

2.5.2 What is the expected setback of the development from the high tide level and from the primary dune?

2.5.3 Will the development impact on coastal areas with significant landforms including beach ridge plain, cusped headland, coastal dunes or karst?

Yes

No

**If yes**, please describe the extent of the expected impact.

2.5.4 Is the development likely to impact on mangroves?

Yes

No

**If yes**, please describe the extent of the expected impact.

## 2.6 Marine Areas and Biota

2.6.1 Is the development likely to impact on an area of sensitive benthic communities, such as seagrasses, coral reefs or mangroves?

No

**If yes**, please describe the extent of the expected impact.

2.6.2 Is the development likely to impact on marine conservation reserves or areas recommended for reservation (as described in *A Representative Marine Reserve System for Western Australia*, CALM, 1994)?

No

**If yes**, please describe the extent of the expected impact.

2.6.3 Is the development likely to impact on marine areas used extensively for recreation or for commercial fishing activities?

No

**If yes**, please describe the extent of the expected impact, and provide any written advice from relevant agencies (e.g. Fisheries WA).

## 2.7 Water Supply and Drainage Catchments

2.7.1 Are you in a proclaimed or proposed groundwater or surface water protection area?

(You may need to contact the Department of Water (DoW) for more information on the requirements for your location, including the requirement for licences for water abstraction. Also, refer to the DoW website)

No      **If yes**, please describe what category of area.

2.7.2 Are you in an existing or proposed Underground Water Supply and Pollution Control area?

(You may need to contact the DoW for more information on the requirements for your location, including the requirement for licences for water abstraction. Also, refer to the DoW website)

No      **If yes**, please describe what category of area.

2.7.3 Are you in a Public Drinking Water Supply Area (PDWSA)?

(You may need to contact the DoW for more information or refer to the DoW website. A proposal to clear vegetation within a PDWSA requires approval from DoW.)

No      **If yes**, please describe what category of area.

2.7.4 Is there sufficient water available for the proposal?

(Please consult with the DoW as to whether approvals are required to source water as you propose. Where necessary, please provide a letter of intent from the DoW)

Yes      (please tick)

Process water supply is proposed via abstraction of water from within mining deposits and potable water sourced from the borefields servicing the current Yandicoogina operations.

2.7.5 Will the proposal require drainage of the land?

No      **If yes**, how is the site to be drained and will the drainage be connected to an existing Local Authority or Water Corporation drainage system? Please provide details.

2.7.6 Is there a water requirement for the construction and/ or operation of this proposal?

(please tick)       Yes      **If yes**, complete the rest of this section.

**If no**, go to the next section.

2.7.7 What is the water requirement for the construction and operation of this proposal, in kilolitres per year?

Preliminary conceptual peak water demand estimates for the Project are described in Section 4.5.3 of the Referral Supporting Information Document. Peak water demand for the Proposal is estimated to be in the order of 30,000,000 kl/year (30 Gl/year).

2.7.8 What is the proposed source of water for the proposal? (e.g. dam, bore, surface water etc.)

The proposed water source will be abstraction of water from within the local aquifer (Channel Iron Deposit) through mine dewatering. This will include abstraction for potable water sourced from the borefields servicing the current Yandicoogina operations

## 2.8 Pollution

2.8.1 Is there likely to be any discharge of pollutants from this development, such as noise, vibration, gaseous emissions, dust, liquid effluent, solid waste or other pollutants?

(please tick)

Yes

**If yes**, complete the rest of this section.

**If no**, go to the next section.

2.8.2 Is the proposal a prescribed premise, under the Environmental Protection Regulations 1987?

(Refer to the EPA's *General Guide for Referral of Proposals to the EPA under section 38(1) of the EP Act 1986* for more information)

Yes

**If yes**, please describe what category of prescribed premise.

The proposal potentially includes components that are expected to be prescribed premises under the following *Environmental Protection Regulations 1987* categories:

- Category 05(a) - Processing or beneficiation of metallic or non-metallic ore
- Category 6 – Mine Dewatering
- Category 12 – Screening of material

2.8.3 Will the proposal result in gaseous emissions to air?

Yes

**If yes**, please briefly describe.

Gaseous emissions associated with construction and mining activities will include diesel combustion products from mobile equipment and nitrogen compounds from blasting. Further information is provided in Section 5.10 of the Referral Supporting Information Document.

2.8.4 Have you done any modelling or analysis to demonstrate that air quality standards will be met, including consideration of cumulative impacts from other emission sources?

✓ No      **If yes**, please briefly describe.

The Proposal will result in minor emissions as a result of mining activities, including blasting, vehicle movements and processing. Gaseous air emissions will be localised and highly dispersed and therefore are unlikely to represent a significant environmental issue.

2.8.5 Will the proposal result in liquid effluent discharge?

✓ No      **If yes**, please briefly describe the nature, concentrations and receiving environment.

It is possible that effluent streams containing hydrocarbons or sediments could arise from wash down and hydrocarbon storage areas. There may also be effluent streams from sewerage treatment plant facilities. These will be managed through licensing under Part V of the EP Act.

2.8.6 If there is likely to be discharges to a watercourse or marine environment, has any analysis been done to demonstrate that the State Water Quality Management Strategy or other appropriate standards will be able to be met?

✓ Yes      **If yes**, please describe.

The groundwater in the Proposal area is classified as fresh. The Proposal will result in the abstraction of groundwater and subsequent discharge into local freshwater ephemeral creeklines. Existing operational management controls include monitoring for water quality in line with ANZECC/ARMCANZ (2000) guidelines.

2.8.7 Will the proposal produce or result in solid wastes?

✓ Yes      **If yes**, please briefly describe the nature, concentrations and disposal location/ method.

Solid waste such as office, food scraps, building waste will be generated. Inert and putrescible solid waste will be disposed of at licenced and managed facilities established within the project area. Waste that cannot be disposed at this landfill will be collected and disposed at a licensed facility located off site.

Waste rock material will be deposited in temporary surface stockpiles before being used to backfill the mine pit.

2.8.8 Will the proposal result in significant off-site noise emissions?

No      **If yes**, please briefly describe.

Noise generation will be localised and subject to management controls. Noise sources include blasting and excavation at the new mine pits, ore processing and vehicle and rail movements. The Proposal area does not include and is distant from any noise sensitive premises as defined in the *Environmental Protection (Noise) Regulations*.

2.8.9 Will the development be subject to the Environmental Protection (Noise) Regulations 1997?

No      **If yes**, has any analysis been carried out to demonstrate that the proposal will comply with the Regulations?

Please attach the analysis.

2.8.10 Does the proposal have the potential to generate off-site, air quality impacts, dust, odour or another pollutant that may affect the amenity of residents and other “sensitive premises” such as schools and hospitals (proposals in this category may include intensive agriculture, aquaculture, marinas, mines and quarries etc.)?

No      **If yes**, please describe and provide the distance to residences and other “sensitive premises”.

The Proposal area does not include and is distant from any residential or otherwise sensitive premises. Dust generation will be localised and subject to on-site management controls.

2.8.11 If the proposal has a residential component or involves “sensitive premises”, is it located near a land use that may discharge a pollutant?

No      **If yes**, please describe and provide the distance to the potential pollution source



## 2.9 Greenhouse Gas Emissions

2.9.1 Is this proposal likely to result in substantial greenhouse gas emissions (greater than 100 000 tonnes per annum of carbon dioxide equivalent emissions)?

No

**If yes**, please provide an estimate of the annual gross emissions in absolute and in carbon dioxide equivalent figures.

The emissions intensity of the mining operation at Yandicoogina is relatively low compared with other iron ore projects in the Pilbara region, in the order of 3 to 5 kg CO<sub>2</sub>equiv. per tonne of mined product (excluding rail and port shipment). Based on existing data it is believed GHG emissions from the Proposal will be less than 100,000 tonnes CO<sub>2</sub>equiv/a over the life of the project.

2.9.2 Further, if yes, please describe proposed measures to minimise emissions, and any sink enhancement actions proposed to offset emissions.

Further details are provided in the Referral Information Supporting Document, Section 5.10 and 5.11.

## 2.10 Contamination

2.10.1 Has the property on which the proposal is to be located been used in the past for activities which may have caused soil or groundwater contamination?

No

**If yes**, please describe.

2.10.2 Has any assessment been done for soil or groundwater contamination on the site?

No

**If yes**, please describe.

2.10.3 Has the site been registered as a contaminated site under the *Contaminated Sites Act 2003*? (on finalisation of the CS Regulations and proclamation of the CS Act)

Yes

No

**If yes**, please describe.

## 2.11 Social Surroundings

2.11.1 Is the proposal on a property which contains or is near a site of Aboriginal ethnographic or archaeological significance that may be disturbed?

Yes

**If yes**, please describe.

Extensive archaeological and ethnographic surveys have been undertaken within the Yandicoogina locality. A number of archaeological sites have been identified

ranging from low to high archaeological and cultural significance. Weeli Wolli and Marillana Creek are identified ethnographic sites. Existing management controls will be applied to avoid identified heritage sites (where feasible). Where heritage sites cannot be avoided, a Section 18 application under the *Aboriginal Heritage Act 1972* will be submitted in consultation with the traditional owner group/s.

2.11.2 Is the proposal on a property which contains or is near a site of high public interest (e.g. a major recreation area or natural scenic feature)?

✓ No      **If yes**, please describe.

The Proposal is located near a major creek line and a spring which has local and Traditional owner interest, however is not considered a major recreational area due to limited public access.

2.11.3 Will the proposal result in or require substantial transport of goods, which may affect the amenity of the local area?

✓ No      **If yes**, please describe.

The Proposal will involve transport of iron ore to port facilities using Rio Tinto's existing Pilbara rail network.

### 3. PROPOSED MANAGEMENT

#### 3.1 Principles of Environmental Protection

3.1.1 Have you considered how your project gives attention to the following Principles, as set out in section 4A of the EP Act? (For information on the Principles of Environmental Protection, please see EPA Position Statement No. 7, available on the EPA website)

- |  |   |                             |
|--|---|-----------------------------|
| 1. The precautionary principle.  | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| 2. The principle of intergenerational equity.  | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| 3. The principle of the conservation of biological diversity and ecological integrity. | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| 4. Principles relating to improved valuation, pricing and incentive mechanisms.        | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| 5. The principle of waste minimisation.  | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |

[Refer to Section 7 of the Referral Supporting Information Document for additional details.](#)

3.1.2 Is the proposal consistent with the EPA's Environmental Protection Bulletins/Position Statements and Environmental Assessment Guidelines/Guidance Statements (available on the EPA website)?

- Yes       No

#### 3.2 Consultation

3.2.1 Has public consultation taken place (such as with other government agencies, community groups or neighbours), or is it intended that consultation shall take place?

- Yes       No      **If yes**, please list those consulted and attach comments or summarise response on a separate sheet.

[Pre-referral meetings and general discussion on aspects of the project have been held with the OEPA, DPaW, DoW, DoE and DMP. In addition, an overview of the project has been provided to the traditional owners. Further consultation is proposed as more details of the Proposal and relevant stakeholders are identified.](#)