

# Moranbah North & Grosvenor Mines rail and pipeline realignment

Application Number: 01699

Commencement Date: 09/03/2023

Status: Locked

## 1. About the project

### 1.1 Project details

#### 1.1.1 Project title \*

Moranbah North & Grosvenor Mines rail and pipeline realignment

#### 1.1.2 Project industry type \*

Transport - Land

#### 1.1.3 Project industry sub-type

Railway

#### 1.1.4 Estimated start date \*

1/01/2025

#### 1.1.4 Estimated end date \*

30/12/2027

### 1.2 Proposed Action details

#### 1.2.1 Provide an overview of the proposed action, including all proposed activities. \*

Anglo Coal (Moranbah North Management) Pty Limited (Anglo Coal) operates, on behalf of the Moranbah North Coal Joint Venture, two underground metallurgical coal mines north of the Moranbah township in central Queensland – Moranbah North Mine and Grosvenor Mine. Anglo Coal (Moranbah North Management) Pty Limited is owned by Anglo American.

To enable the progression of mining at the two mines, an existing rail line known as the North Goonyella Branch (owned and operated by Aurizon) and a water pipeline known as the Braeside Pipeline (owned and operated by the BHP Mitsubishi Alliance (BMA)) will be relocated. The water pipeline will be relocated to be adjacent to the relocated rail line, within the proposed disturbance corridor.

The action will include (but is not limited to):

- Vegetation clearing
- Civil works
- Bridges and culverts construction
- Relocation of overhead power lines
- Rehabilitation of temporarily disturbed areas
- Laydown and construction areas establishment
- Heavy vehicle movements
- Erosion, sediment, dust control

Anglo Coal will undertake the clearing and construction of a rail and pipeline corridor, establishment of track foundations and construction of a water pipeline. These are the elements of the project considered to have a direct or indirect impact on protected matters, and form the basis of this referral. For further information on the areas and protected matters impacted by these activities, see attachment "Anglo Moranbah North - Grosvenor Rail Relocation EPBC SIA\_Feb 2023", pages 3 and 4.

The placement and laydown of the rail infrastructure (tracks, sleepers, etc.) and construction of traction power and signals will be undertaken separately by Aurizon and does not form part of this referred action. These activities will be undertaken in areas already cleared and prepared by Anglo Coal.

The total area of the proposed development footprint is 482.67ha, which includes a disturbance footprint of 59.63ha, and an avoidance area of 423.32ha.

### 1.2.2 Is the project action part of a staged development or related to other actions or proposals in the region?

No

### 1.2.6 What Commonwealth or state legislation, planning frameworks or policy documents are relevant to the proposed action, and how are they relevant? \*

The *Isaac Regional Planning Scheme 2021* and the *Planning Regulation 2017* (Qld) will apply in respect of the rail line and water pipeline, as relevant.

The *Transport Infrastructure Act 1984* (Qld) will be utilised for land access and tenure conversion for the rail line.

The *Nature Conservation Act 1992* (Qld) and the *Nature Conservation (Wildlife Management) Regulation 2006* for disturbance to animal breeding places during vegetation clearing activities, to be confirmed during next phase of project planning.

The Environment Protection and Biodiversity Conservation Act 1999 in respect to potential significant impacts to threatened species and communities.

### 1.2.7 Describe any public consultation that has been, is being or will be undertaken regarding the project area, including with Indigenous stakeholders. Attach any completed consultation documentations, if relevant. \*

The project is deemed to be of limited public interest as it is occurring on existing mining leases and is not an expansion or alteration of existing approved mining operations, or an expansion of existing approved infrastructure.

Consultation is underway with Aurizon, BMA, landholders, farming lease holders and agistees, overlapping tenement holders and infrastructure owners, local indigenous groups, the Department of Transport and Main Roads and the Isaac Regional Council.

Documentation regarding these consultations can be provided to the Department upon request once completed.

## 1.3.1 Identity: Referring party

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By completing and submitting this form, you consent to the collection of all personal information contained in this form. If you are providing the personal information of other individuals in this form, please ensure you have their consent before doing so.

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Confirm that you have read and understand this Privacy Notice \*

1.3.1.1 Is Referring party an organisation or business? \*

Yes

Referring party organisation details

ABN/ACN	14069603587
Organisation name	ANGLO COAL (MORANBAH NORTH MANAGEMENT) PTY LIMITED
Organisation address	Level 11, 201 Charlotte St, Brisbane, 4000 QLD

Referring party details

Name	Dominique Taylor
Job title	Environment Specialist
Phone	+61738341333
Email	dominique.taylor@angloamerican.com
Address	Level 11, 201 Charlotte Street, Brisbane

1.3.2 Identity: Person proposing to take the action

1.3.2.1 Are the Person proposing to take the action details the same as the Referring party details? \*

Yes

Person proposing to take the action organisation details

ABN/ACN	14069603587
Organisation name	ANGLO COAL (MORANBAH NORTH MANAGEMENT) PTY LIMITED
Organisation address	Level 11, 201 Charlotte St, Brisbane, 4000 QLD

Person proposing to take the action details

<b>Name</b>	Dominique Taylor
<b>Job title</b>	Environment Specialist
<b>Phone</b>	+61738341333
<b>Email</b>	dominique.taylor@angloamerican.com
<b>Address</b>	Level 11, 201 Charlotte Street, Brisbane

**1.3.2.14 Are you proposing the action as part of a Joint Venture? \***

No

**1.3.2.15 Are you proposing the action as part of a Trust? \***

No

**1.3.2.17 Describe the Person proposing the action's history of responsible environmental management including details of any proceedings under a Commonwealth, State or Territory law for the protection of the environment or the conservation and sustainable use of natural resources against the Person proposing to take the action. \***

Anglo Coal has not been the subject of any proceedings under a Commonwealth, State or Territory law for the protection of the environment or the conservation and sustainable use of natural resources.

Anglo American is an experienced coal mine operator with five operating mines in Queensland (Moranbah North Mine, Grosvenor Mine, Capcoal Mine, Aquila Mine and Dawson Mine). Each of the mines has a sound environmental record. In 2022 Anglo Coal self-reported a potential non-compliance under the EPBC Act in relation to the Grosvenor Mine and agreed to enter into an enforceable undertaking to make good any potential significant environmental impacts.

**1.3.2.18 If the person proposing to take the action is a corporation, provide details of the corporation's environmental policy and planning framework**

Anglo Coal is owned by Anglo American, a leading, global mining company with established environmental management systems such as the Anglo Safety Health and Environment (SHE) Way. The Anglo SHE Way contains environmental management system standards and environmental performance standards. These internal procedures are consistent with international standards and all Anglo American mines are operated in accordance with these procedures. The procedures provide a comprehensive framework of environmental policies, standards and principles that relate to the company's operation as a whole. The documents are designed to ensure the company upholds the corporate commitments to environmental management.

Anglo American has a comprehensive framework of environmental policies, standards and principles in place that relate to the company's operations as a whole. The documents are designed to ensure Anglo American upholds the corporate commitments to the environment and made to stakeholders. All policies, standards, relevant data and associated reports are available for download via the Environmental and Social Governance tab on the AngloAmerican website - [www.angloamerican.com](http://www.angloamerican.com).

1.3.3 Identity: Proposed designated proponent

1.3.3.1 Are the Proposed designated proponent details the same as the Person proposing to take the action? \*

Yes

Proposed designated proponent organisation details

ABN/ACN	14069603587
Organisation name	ANGLO COAL (MORANBAH NORTH MANAGEMENT) PTY LIMITED
Organisation address	Level 11, 201 Charlotte St, Brisbane, 4000 QLD

Proposed designated proponent details

Name	Dominique Taylor
Job title	Environment Specialist
Phone	+61738341333
Email	dominique.taylor@angloamerican.com
Address	Level 11, 201 Charlotte Street, Brisbane

1.3.4 Identity: Summary of allocation

✔ Confirmed Referring party's identity

The Referring party is the person preparing the information in this referral.

ABN/ACN	14069603587
Organisation name	ANGLO COAL (MORANBAH NORTH MANAGEMENT) PTY LIMITED
Organisation address	Level 11, 201 Charlotte St, Brisbane, 4000 QLD
Representative's name	Dominique Taylor
Representative's job title	Environment Specialist
Phone	+61738341333
Email	dominique.taylor@angloamerican.com
Address	Level 11, 201 Charlotte Street, Brisbane

✔ Confirmed Person proposing to take the action's identity

The Person proposing to take the action is the individual, business, government agency or trustee that will be responsible for the proposed action.

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Same as Referring party information.

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**✔ Confirmed Proposed designated proponent's identity**

The Person proposing to take the action is the individual or organisation proposed to be responsible for meeting the requirements of the EPBC Act during the assessment process, if the Minister decides that this project is a controlled action.

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Same as Person proposing to take the action information.

## 1.4 Payment details: Payment exemption and fee waiver

### 1.4.1 Do you qualify for an exemption from fees under EPBC Regulation 5.23 (1) (a)? \*

No

### 1.4.3 Have you applied for or been granted a waiver for full or partial fees under Regulation 5.21A? \*

No

### 1.4.5 Are you going to apply for a waiver of full or partial fees under EPBC Regulation 5.21A?

No

### 1.4.7 Has the department issued you with a credit note? \*

No

### 1.4.9 Would you like to add a purchase order number to your invoice? \*

No

## 1.4 Payment details: Payment allocation

### 1.4.11 Who would you like to allocate as the entity responsible for payment? \*

Person proposing to take the action

## 2. Location

### 2.1 Project footprint



## 2.2 Footprint details

### 2.2.1 What is the address of the proposed action? \*

Moranbah North Coal Mine and Grosvenor Mine, Goonyella Rd, Moranbah, QLD, 4744

### 2.2.2 Where is the primary jurisdiction of the proposed action? \*

Queensland

**2.2.3 Is there a secondary jurisdiction for this proposed action? \***

No

**2.2.5 What is the tenure of the action area relevant to the project area? \***

Mining leases – ML700042, ML70108 and ML70378

Freehold - Lot 19 SP308954 and Lot 16 SP261431

## 3. Existing environment

### 3.1 Physical description

**3.1.1 Describe the current condition of the project area's environment.**

The town of Moranbah is to the south of the project area, approximately 8km from the rail alignment, with Emerald approximately 180km to the south and Mackay 150km to the north. The action will utilize existing road infrastructure in place to service the existing Anglo Grosvenor and Moranbah North Mines (noting that the rail and pipeline realignments are wholly within these mine operational areas).

The project area is a mix of cleared land, and discrete patches of remnant and regrowth vegetation. Most areas have been disturbed by either cattle grazing, mining exploration or production or gas exploration or production at some stage over the past 50 years. Large areas of the project area are dominated by exotic grass species and weed species.

**3.1.2 Describe any existing or proposed uses for the project area.**

The current land use for the project area is mining, and is utilized for two connected and interrelated underground coal mines. There is a range of existing surface infrastructure associated with the mines that are existing, including similar to that required for this activity. There is no proposed land use change associated with the action or project site, as it will simply realign existing infrastructure in use and located within 1km distance.

Further afield, the surrounding areas are primarily used for light cattle grazing within previously disturbed native vegetation areas. The town of Moranbah is to the south, where land is used for residential and light industrial purposes. The Isaac River also traverses to the south of the project area, running in a north-east to south-west direction. There are no changes anticipated to any of these surrounding land uses.



**3.1.3 Describe any outstanding natural features and/or any other important or unique values that applies to the project area.**

No unique or outstanding features occur in the project area.

**3.1.4 Describe the gradient (or depth range if action is to be taken in a marine area) relevant to the project area.**

The landscape within the project area is gently undulating (0-0.5% gradients) with elevations ranging from 215 m Australian Height Datum (AHD) to 260 m AHD. Teviot Brook, flows from the north to join the Isaac River to the south. There are a number of small hills and ridgelines in the surrounding areas. The land is a combination of previously cleared areas used for grazing and remnant vegetation, with some woodland vegetation, and intact corridors of riparian vegetation along Teviot Brook. To the north of the project area is the existing Blair Athol and North Goonyella rail lines.

## 3.2 Flora and fauna

**3.2.1 Describe the flora and fauna within the affected area and attach any investigations of surveys if applicable.**

The quality of fauna habitat throughout the project area is typically in poor to moderate condition, with poorer quality habitat associated with areas that have been cleared for cattle grazing and mining exploration and production.

The project area can be divided into five broad habitats comprising Brigalow communities, lateritic jump up communities, riparian woodlands, remnant Eucalypt woodlands, and shrublands on natural scalds. In addition, there are areas of the project area that have been entirely cleared of vegetation and are now dominated by exotic grass species and weed species. These cleared areas do not provide critical habitat for native fauna. Further details of the flora and fauna of the project area are attached in MG Rail and Powerline Realignment Ecology Survey\_compressed, pages 16-21.

The project area is not considered to be of particular importance for values such as high biodiversity, important feeding areas, high endemism, unusual fauna assemblages, or unique habitat types or assemblages. A report on the findings of multiple field ecology surveys is attached (Anglo Moranbah North - Grosvenor Rail Relocation EPBC SIA\_Feb 2023) pages 3-4.

**3.2.2 Describe the vegetation (including the status of native vegetation and soil) within the project area.**

The most recent field survey of the area described the following vegetation types (further details are attached in MG Rail and Powerline Realignment Ecology Survey\_compressed, page 21 and 33).

Threatened Ecological Communities:

There were patches of vegetation within the Moranbah North section of the project area which meet the key diagnostic features and minimum condition thresholds and thus the definition of Brigalow dominant and co-dominant woodlands and Poplar Box Grassy Woodland on Alluvial Plains, listed as Endangered under the EPBC Act. Generally, the BioCondition plots found the vegetation to be in a good condition with commonly the lowest scores being native Grass and Forb species richness, with some sites scoring low for large tree count and all performing poorly with non-native plant cover as a result of a high exotic ground cover. No TECS were recorded in the Grosvenor section of the project area.

Remnant Native Vegetation:

The proposed project area intersects Category B Regulated vegetation described as:

- RE 11.3.1 - *Acacia harpophylla* and/or *Casuarina cristata* open forest (particularly in southern parts), with or without scattered emergent *Eucalyptus* spp. such as *E. coolabah*, *E. largiflorens*, *E. populnea*, *E. orgadophila*, and *E. woollsiana*.
- RE 11.3.2 - *Eucalyptus populnea* woodland to open woodland
- RE 11.3.4 - *Eucalyptus tereticornis* woodland to open forest
- RE 11.3.7 - *Corymbia clarksoniana*, *C. tessellaris* and *C. dallachiana* woodland to open woodland.
- RE 11.3.25 - *Eucalyptus tereticornis* or *E. camaldulensis* woodland to open forest.
- RE 11.3.27 - Freshwater wetlands.
- RE 11.5.3 - *Eucalyptus populnea* +/- *E. melanophloia* +/- *Corymbia clarksoniana* +/- *C. dallachiana* and occasionally *E. cambageana* or *E. brownii* woodland.
- RE 11.5.9 - *Eucalyptus crebra* and/or *Eucalyptus melanophloia* woodland.
- RE 11.5.16 - *Casuarina cristata* and/or *Acacia harpophylla* open forest.
- RE 11.7.2 - Monospecific stands of *Acacia* spp. forest/woodland on Cainozoic lateritic duricrusts. *Acacia shirleyi* and/or *Acacia catenulata* usually predominate the woodland to low woodland to low open forest tree canopy (7-12m high).

Remnant Vegetation intersecting a watercourse was observed within the project area, associated with the Isaac River and along Skeleton Creek. Wetlands of general significance were observed within the project area at one mapped wetland location, and another identified during field surveys. Regulated vegetation within 100m of a wetland was also observed surrounding the above mentioned wetlands. No Cat C high value regrowth regulated vegetation was observed within the proposed alignments. High and low potential GDE were mapped to occur onsite as part of the Groundwater Dependent Ecosystems Atlas database. Vegetation which represents Connectivity Vegetation, Essential Habitat, Wildlife Habitat for Endangered and Vulnerable Wildlife and Wildlife Habitat for Special Least Concern is present within the study area. High-level condition descriptions of these areas, including details of the potential utilisation by fauna species of significance, is provided in the attached document - MG Rail and Powerline Realignment Ecology Survey\_compressed, pages 21 - 24.

Weeds and Pests:

Four species listed as Restricted under the Biosecurity Act (Qld) were observed within the Study Area. These were the *Opuntia tomentosa* (Velvety Tree Pear), *Harrisia martinii* (Harrisia Cactus), *Parthenium hysterophorus* (Parthenium) and *Rusa timorensis* (Rusa Deer). Evidence of *Sus scrofa* (Feral Pig) listed as Restricted under the Biosecurity Act was observed in multiple locations throughout the Study Area. Restricted matter was generally associated with past and current land use and was most prevalent in areas of increased disturbance.

## 3.3 Heritage

### 3.3.1 Describe any Commonwealth heritage places overseas or other places recognised as having heritage values that apply to the project area.

No Commonwealth Indigenous, historic or natural heritage places are located within the Project Area.

3.3.2 Describe any Indigenous heritage values that apply to the project area.

No significant heritage values are known to occur within the Project Area.

3.4 Hydrology

3.4.1 Describe the hydrology characteristics that apply to the project area and attach any hydrological investigations or surveys if applicable. \*

The Project area is river floodplain and undulating higher ground. Small ephemeral water courses and drainage lines cross the rail and pipeline corridor. These will be crossed using culverts and low level bridges.

The action is in the preliminary design phase. Further, project specific flood studies will be undertaken in the feasibility stage of the action. Currently, the design is incorporating flood mitigation measures to ensure that there is no significant impact to surface hydrology.

No impacts to groundwater flows, levels or quality are expected as a result of the action.

4. Impacts and mitigation

4.1 Impact details

Potential Matters of National Environmental Significance (MNES) relevant to your proposed action area.

EPBC Act section	Controlling provision	Impacted	Reviewed
S12	World Heritage	No	Yes
S15B	National Heritage	No	Yes
S16	Ramsar Wetland	No	Yes
S18	Threatened Species and Ecological Communities	Yes	Yes
S20	Migratory Species	No	Yes
S21	Nuclear	No	Yes

EPBC Act section	Controlling provision	Impacted	Reviewed
S23	Commonwealth Marine Area	No	Yes
S24B	Great Barrier Reef	No	Yes
S24D	Water resource in relation to large coal mining development or coal seam gas	No	Yes
S26	Commonwealth Land	No	Yes
S27B	Commonwealth Heritage Places Overseas	No	Yes
S28	Commonwealth or Commonwealth Agency	No	Yes

4.1.1 World Heritage

You have identified your proposed action will likely directly and/or indirectly impact the following protected matters.

A direct impact is a direct consequence of an action taken – for example, clearing of habitat for a threatened species or permanent shading on an ecological community as the result of installing solar panels.

An indirect impact is an 'indirect consequence' such as a downstream impact or a facilitated third-party action.

4.1.1.1 Is the proposed action likely to have any direct and/or indirect impact on any of these protected matters? \*

No

4.1.1.3 Briefly describe why your action is unlikely to have a direct and/or indirect impact. \*

No world heritage properties will be impacted as a result of the action.

4.1.2 National Heritage

You have identified your proposed action will likely directly and/or indirectly impact the following protected matters.

A direct impact is a direct consequence of an action taken – for example, clearing of habitat for a threatened species or permanent shading on an ecological community as the result of installing solar panels.

An indirect impact is an 'indirect consequence' such as a downstream impact or a facilitated third-party action.

4.1.2.1 Is the proposed action likely to have any direct and/or indirect impact on any of these protected matters? \*

No

4.1.2.3 Briefly describe why your action is unlikely to have a direct and/or indirect impact. \*

No national heritage places present within the Project Area.

4.1.3 Ramsar Wetland

You have identified your proposed action will likely directly and/or indirectly impact the following protected matters.

A direct impact is a direct consequence of an action taken – for example, clearing of habitat for a threatened species or permanent shading on an ecological community as the result of installing solar panels.

An indirect impact is an 'indirect consequence' such as a downstream impact or a facilitated third-party action.

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4.1.3.1 Is the proposed action likely to have any direct and/or indirect impact on any of these protected matters? \*

No

4.1.3.3 Briefly describe why your action is unlikely to have a direct and/or indirect impact. \*

No Ramsar wetlands present in or near the Project Area.

4.1.4 Threatened Species and Ecological Communities

You have identified your proposed action will likely directly and/or indirectly impact the following protected matters.

A direct impact is a direct consequence of an action taken – for example, clearing of habitat for a threatened species or permanent shading on an ecological community as the result of installing solar panels.

An indirect impact is an 'indirect consequence' such as a downstream impact or a facilitated third-party action.

Threatened species

Direct impact	Indirect impact	Species
No	No	Calidris ferruginea
No	No	Dasyurus hallucatus
Yes	No	Denisonia maculata
No	No	Dichanthium queenslandicum
No	No	Egernia rugosa
No	No	Elseya albagula
No	No	Erythroriorchis radiatus
No	No	Eucalyptus raveretiana
No	No	Falco hypoleucos

Direct impact	Indirect impact	Species
No	No	<i>Furina dunmalli</i>
No	No	<i>Geophaps scripta scripta</i>
No	No	<i>Lerista allanae</i>
No	No	<i>Macroderma gigas</i>
No	No	<i>Neochmia ruficauda ruficauda</i>
No	No	<i>Nyctophilus corbeni</i>
Yes	No	<i>Petauroides volans</i>
Yes	No	<i>Phascolarctos cinereus</i> (combined populations of Qld, NSW and the ACT)
No	No	<i>Poephila cincta cincta</i>
No	No	<i>Rheodytes leukops</i>
No	No	<i>Rostratula australis</i>
No	No	<i>Samadera bidwillii</i>

### Ecological communities

Direct impact	Indirect impact	Ecological community
Yes	No	Brigalow ( <i>Acacia harpophylla</i> dominant and co-dominant)
No	No	Natural Grasslands of the Queensland Central Highlands and northern Fitzroy Basin
No	No	Poplar Box Grassy Woodland on Alluvial Plains

#### 4.1.4.1 Is the proposed action likely to have any direct and/or indirect impact on any of these protected matters? \*

Yes

#### 4.1.4.2 Briefly describe why your action has a direct and/or indirect impact on these protected matters. \*

Clearing of rail and pipeline corridor will impact on some habitat of listed threatened species and ecological communities. As detailed in the summary tables provided in 4.1.4, direct impact is expected to a range of threatened species and ecological communities, with impact as described for each matter below:

- Ornamental Snake (*Denisonia maculata*)  
An area of 14ha of Ornamental Snake habitat will be directly cleared for the rail and pipeline realignment.
- Greater Glider (*Petauroides volans*)  
An area of 1.4ha of Greater Glider habitat will be directly cleared for the rail and pipeline realignment.
- Koala (*Phascolarctos cinereus*)  
An area of 28ha of Koala habitat will be directly impacted as a result of clearing for the rail and pipeline realignment.
- Brigalow (*Acacia harpophylla* dominant and co-dominant) ecological community  
An area of 0.33ha of Brigalow community will be directly impacted as a result of clearing for the rail and pipeline realignment.

No indirect impact is anticipated to either threatened species or ecological communities. It is noted that a Significant Impact Assessment has been undertaken to inform the potential for impact to protected matters.

#### 4.1.4.4 Do you consider this likely direct and/or indirect impact to be a Significant Impact? \*

Yes

**4.1.4.5 Describe why you consider this to be a Significant Impact. \***

The clearing extent and locations required for the action, while not extensive, can be considered a significant impact on these matters under the relevant criteria. Impacts to the Koala (*Phascolarctos cinereus*) and Ornamental Snake (*Denisonia maculata*) are anticipated to represent a potentially significant impact. For both species, the clearing has potential to result in loss of habitat, leading to a long-term decline in the size of the population and a reduction of the area of occupancy available to the species. For the Koala, the rail corridor will also potentially impact individual movements in the local area which may fragment any existing population. Further details regarding the Significant Residual Impact assessment can be found in the attached document - Anglo Moranbah North - Grosvenor Rail Relocation EPBC SIA\_Feb 2003, Appendix 1.

**4.1.4.7 Do you think your proposed action is a controlled action? \***

Yes

**4.1.4.8 Please elaborate why you think your proposed action is a controlled action. \***

The clearing extent and locations required for the action, while not extensive, can be considered a significant impact on these matters under the relevant criteria. It is expected that the proposed action will be considered to be a controlled action as a result of a significant impact to habitat for the two species detailed above (Koala and Ornamental Snake). Further details regarding the Significant Residual Impact assessment can be found in the attached document - Anglo Moranbah North - Grosvenor Rail Relocation EPBC SIA\_Feb 2003, Appendix 1.

**4.1.4.10 Please describe any avoidance or mitigation measures proposed for this action and attach any supporting documentation for these avoidance and mitigation measures. \***

Where possible, clearing of habitat for listed threatened species has been avoided, through an iterative stakeholder consultation process during the early design and due diligence phase of the action. Areas previously cleared or disturbed have been preferentially selected as a result. Residual impacts are unavoidable due to constraints caused by rail safety considerations, water courses, topography and existing land uses (active mining). The exact location of laydown areas and stockpiles has not been determined at this stage, positioning will be informed by the presence of TECs and habitat areas and avoided where possible.

Mitigation measures to reduce impacts will also be in place during construction, including best-practice wildlife management (including wildlife spotter-catchers), dust and erosion control, and regular personnel briefings as required. Water courses and overland flow will be maintained using culverts and low level bridges.

**4.1.4.11 Please describe any proposed offsets and attach any supporting documentation relevant to these measures. \***

Offsets for residual significant impacts will be provided in accordance with the EPBC Act Offset Policy.

4.1.5 Migratory Species

You have identified your proposed action will likely directly and/or indirectly impact the following protected matters.

A direct impact is a direct consequence of an action taken – for example, clearing of habitat for a threatened species or permanent shading on an ecological community as the result of installing solar panels.

An indirect impact is an 'indirect consequence' such as a downstream impact or a facilitated third-party action.

Direct impact	Indirect impact	Species
No	No	Actitis hypoleucos
No	No	Apus pacificus
No	No	Calidris acuminata
No	No	Calidris ferruginea
No	No	Calidris melanotos
No	No	Cuculus optatus
No	No	Gallinago hardwickii
No	No	Motacilla flava

4.1.5.1 Is the proposed action likely to have any direct and/or indirect impact on any of these protected matters? \*

No

4.1.5.3 Briefly describe why your action is unlikely to have a direct and/or indirect impact. \*

Migratory species are not known to occur or considered likely to be present in the project area.

4.1.6 Nuclear

4.1.6.1 Is the proposed action likely to have any direct and/or indirect impact on this protected matter? \*

No

4.1.6.3 Briefly describe why your action is unlikely to have a direct and/or indirect impact. \*

The proposed action does not involve a nuclear action.



#### 4.1.7 Commonwealth Marine Area

You have identified your proposed action will likely directly and/or indirectly impact the following protected matters.

A direct impact is a direct consequence of an action taken – for example, clearing of habitat for a threatened species or permanent shading on an ecological community as the result of installing solar panels.

An indirect impact is an 'indirect consequence' such as a downstream impact or a facilitated third-party action.

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##### 4.1.7.1 Is the proposed action likely to have any direct and/or indirect impact on any of these protected matters? \*

No

##### 4.1.7.3 Briefly describe why your action is unlikely to have a direct and/or indirect impact. \*

The action is not in the vicinity of a Commonwealth Marine Area.

#### 4.1.8 Great Barrier Reef

##### 4.1.8.1 Is the proposed action likely to have any direct and/or indirect impact on this protected matter? \*

No

##### 4.1.8.3 Briefly describe why your action is unlikely to have a direct and/or indirect impact. \*

Action is not in the vicinity of the Great Barrier Reef.

#### 4.1.9 Water resource in relation to large coal mining development or coal seam gas

##### 4.1.9.1 Is the proposed action likely to have any direct and/or indirect impact on this protected matter? \*

No

##### 4.1.9.3 Briefly describe why your action is unlikely to have a direct and/or indirect impact. \*

The relocation of the rail line and pipeline, while necessary to enable the progression of mining at both mines, will not result in impacts to water resources.

All mining activities at the Moranbah North Mine and Grosvenor Mine have been previously assessed and approved as required under both Queensland and Commonwealth legislation. Refer to EPBC Act referral 2007/3785, EPBC Act referral 2016/7796 and EPBC Act referral 2018/8338.

Impacts to local waterways will be minor and these will be protected using culverts and low level bridges as well as sediment and erosion control measures. All direct impacts to waterways are minor ephemeral drainage lines only, and considered confined to the construction phase, with no on-going impacts to flows or ecosystem services post-construction.

#### 4.1.10 Commonwealth Land

You have identified your proposed action will likely directly and/or indirectly impact the following protected matters.

A direct impact is a direct consequence of an action taken – for example, clearing of habitat for a threatened species or permanent shading on an ecological community as the result of installing solar panels.

An indirect impact is an 'indirect consequence' such as a downstream impact or a facilitated third-party action.

##### 4.1.10.1 Is the proposed action likely to have any direct and/or indirect impact on any of these protected matters? \*

No

##### 4.1.10.3 Briefly describe why your action is unlikely to have a direct and/or indirect impact. \*

There is no Commonwealth land in the vicinity of the Project Area.

#### 4.1.11 Commonwealth Heritage Places Overseas

You have identified your proposed action will likely directly and/or indirectly impact the following protected matters.

A direct impact is a direct consequence of an action taken – for example, clearing of habitat for a threatened species or permanent shading on an ecological community as the result of installing solar panels.

An indirect impact is an 'indirect consequence' such as a downstream impact or a facilitated third-party action.

##### 4.1.11.1 Is the proposed action likely to have any direct and/or indirect impact on any of these protected matters? \*

No

**4.1.11.3 Briefly describe why your action is unlikely to have a direct and/or indirect impact. \***

Not applicable, the Project Area is in Queensland.

**4.1.12 Commonwealth or Commonwealth Agency**

**4.1.12.1 Is the proposed action to be taken by the Commonwealth or a Commonwealth Agency? \***

No

## 4.2 Impact summary

**Conclusion on the likelihood of significant impacts**

You have indicated that the proposed action will likely have a significant impact on the following Matters of National Environmental Significance:

- Threatened Species and Ecological Communities (S18)

**Conclusion on the likelihood of unlikely significant impacts**

You have indicated that the proposed action will unlikely have a significant impact on the following Matters of National Environmental Significance:

- World Heritage (S12)
- National Heritage (S15B)
- Ramsar Wetland (S16)
- Migratory Species (S20)
- Nuclear (S21)
- Commonwealth Marine Area (S23)
- Great Barrier Reef (S24B)
- Water resource in relation to large coal mining development or coal seam gas (S24D)
- Commonwealth Land (S26)
- Commonwealth Heritage Places Overseas (S27B)
- Commonwealth or Commonwealth Agency (S28)

## 4.3 Alternatives

**4.3.1 Do you have any possible alternatives for your proposed action to be considered as part of your referral? \***

No

4.3.8 Describe why alternatives for your proposed action were not possible. \*

A series of alignment options for the rail and pipeline corridor were considered in the pre-feasibility studies. Due to constraints caused by surface infrastructure, topography, surface rights, needs of the existing rail users, and coal resource locations the selected alignment was determined to be the most feasible. The selected alignment utilises cleared farming land and areas of regrowth vegetation where possible, limits the ongoing impact to other rail users, and enables ongoing mining of a high-value coal resource. Minimisation of the overall project footprint was given due consideration in the selection of construction methods and final design to further reduce direct impacts to protected matters. Further, a do-nothing option would sterilise significant steelmaking coal resources from two current operational mines, Moranbah North Mine and Grosvenor Mine. This would significantly shorten the life of both mines and result in the reduction of the workforce well in advance of the planned end of mine life.

## 5. Lodgement

### 5.1 Attachments

1.2.1 Overview of the proposed action

Type	Name	Date	Sensitivity	Confidence
#1.	Document Anglo Moranbah North - Grosvenor Rail Relocation EPBC SIA_Feb 2023.pdf Summary of ecological values and significant residual impact assessment.	22/02/2023	No	High

3.2.1 Flora and fauna within the affected area

Type	Name	Date	Sensitivity	Confidence
#1.	Document Anglo Moranbah North - Grosvenor Rail Relocation EPBC SIA_Feb 2023.pdf Summary of ecological values and significant residual impact assessment.	21/02/2023	No	High
#2.	Document MG Rail and Powerline Realignment Ecology Survey_compressed.pdf Ecological survey results	27/02/2023	No	High

3.2.2 Vegetation within the project area

Type	Name	Date	Sensitivity	Confidence
#1.	Document Anglo Moranbah North - Grosvenor Rail Relocation EPBC SIA_Feb 2023.pdf Summary of ecological values and significant residual impact assessment.	21/02/2023	No	High
#2.	Document MG Rail and Powerline Realignment Ecology Survey_compressed.pdf Ecological survey results	26/02/2023		High

4.1.4.5 (Threatened Species and Ecological Communities) Why you consider the direct and/or indirect impact to be a Significant Impact

Type	Name	Date	Sensitivity	Confidence
#1.	Document Anglo Moranbah North - Grosvenor Rail Relocation EPBC SIA_Feb 2023.pdf Summary of ecological values and significant residual impact assessment.	21/02/2023		High

4.1.4.8 (Threatened Species and Ecological Communities) Why you think your proposed action is a controlled action

Type	Name	Date	Sensitivity	Confidence
#1.	Document Anglo Moranbah North - Grosvenor Rail Relocation EPBC SIA_Feb 2023.pdf Summary of ecological values and significant residual impact assessment.	21/02/2023	No	High

## 5.2 Declarations

### ✔ Completed Referring party's declaration

The Referring party is the person preparing the information in this referral.

ABN/ACN	14069603587
Organisation name	ANGLO COAL (MORANBAH NORTH MANAGEMENT) PTY LIMITED
Organisation address	Level 11, 201 Charlotte St, Brisbane, 4000 QLD
Representative's name	Dominique Taylor
Representative's job title	Environment Specialist
Phone	+61738341333
Email	dominique.taylor@angloamerican.com
Address	Level 11, 201 Charlotte Street, Brisbane

- ☒ Check this box to indicate you have read the referral form. \*
- ☒ I would like to receive notifications and track the referral progress through the EPBC portal. \*
- ☒ By checking this box, I, **Dominique Taylor of ANGLO COAL (MORANBAH NORTH MANAGEMENT) PTY LIMITED**, declare that to the best of my knowledge the information I have given on, or attached to this EPBC Act Referral is complete, current and correct. I understand that giving false or misleading information is a serious offence. \*
- ☒ I would like to receive notifications and track the referral progress through the EPBC portal. \*

### ✔ Completed Person proposing to take the action's declaration

The Person proposing to take the action is the individual, business, government agency or trustee that will be responsible for the proposed action.

Same as Referring party information.

- ☒ Check this box to indicate you have read the referral form. \*
- ☒ I would like to receive notifications and track the referral progress through the EPBC portal. \*
- ☒ I, **Dominique Taylor of ANGLO COAL (MORANBAH NORTH MANAGEMENT) PTY LIMITED**, declare that to the best of my knowledge the information I have given on, or attached to the EPBC Act Referral is complete, current and correct. I understand that giving false or misleading information is a serious offence. I declare that I am not taking the action on behalf or for the benefit of any other person or entity. \*
- ☒ I would like to receive notifications and track the referral progress through the EPBC portal. \*

### ✔ Completed Proposed designated proponent's declaration

The Proposed designated proponent is the individual or organisation proposed to be responsible for meeting the requirements of the EPBC Act during the assessment process, if the Minister decides that this project is a controlled action.

Same as Person proposing to take the action information.

☒ Check this box to indicate you have read the referral form. \*

☒ I would like to receive notifications and track the referral progress through the EPBC portal. \*

☒ I, **Dominique Taylor of ANGLO COAL (MORANBAH NORTH MANAGEMENT) PTY LIMITED**, the Proposed designated proponent, consent to the designation of myself as the Proposed designated proponent for the purposes of the action described in this EPBC Act Referral. \*

☒ I would like to receive notifications and track the referral progress through the EPBC portal. \*