GOVERNMENT OF WESTERN AUSTRALIA

Environmental Protection Authority

EPA REFERRAL FORM PROPONENT

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

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) 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, have you

	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 the proponent wishes to provide (if applicable)	√	
Included Attachment 3 – confidential information (if applicable)		√
Enclosed the CD 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?

☐ YES ☒ NO ☐ NOT SURE

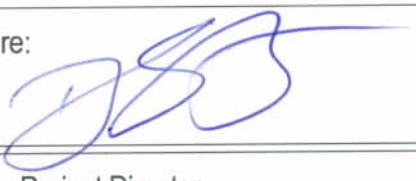
IF YES, WHAT LEVEL OF ASSESSMENT?

☐ ASSESSMENT ON PROPONENT INFORMATION

☐ PUBLIC ENVIRONMENTAL REVIEW

PROPONENT DECLARATION (To be completed by the proponent)

I, Barrie Sturgeon (declare that the information contained in this form is, to my knowledge, true and not misleading.

Signature: 	Name (print): Barrie Sturgeon
Position: Project Director	Company: Epic Energy (Pilbara Pipeline) Pty Ltd
Date: 15 February 2013	

PART A - PROPONENT AND PROPOSAL INFORMATION
(All fields of this Part must be completed for this document to be treated as a referral)

1.1 PROPONENT

Name	Epic Energy (Pilbara Pipeline) Pty Ltd
Joint Venture parties (if applicable)	
Postal Address	Level 5 Eastpoint Plaza, 233 Adelaide Tce Perth, WA 6000
Key proponent contact for the proposal • Name • Address • Phone • Email	 Madonna Burns Level 5 Eastpoint Plaza 233 Adelaide Terrace Perth, WA 6000 (08) 6189 4430 madonna.burns@apa.com.au
Consultant for the proposal (if applicable) • Name • Address • Phone • Email	 Jodi Gratton KD.1 Pty Ltd. Level 1, 14 Outram Street West Perth Western Australia 6005 +61 8 9481 7880 jodi@kd1.com.au

1.2 PROPOSAL

Title	Pilbara Energy Pipeline (PEPL) Relocation Project
Description	The Roy Hill Iron Ore (RHIO) Project includes a new iron ore mine at the Roy Hill deposit, a mine process plant, new port facilities at Boodarie Industrial Estate and a heavy haul railway system from mine to port, southwest of Port Hedland, Western Australia. The proposed single-track, heavy haul railway is approximately 340km in length from the Roy Hill mine site to the unloading facility at Boodarie Industrial Estate, as depicted in Figure 1. A portion of the proposed railway line will cross over the existing Pipeline Licence PL22 Pilbara Energy Pipeline (PEPL). This has made it necessary for the relocation of approximately 670m of pipeline, which is currently buried at a depth of approximately 900mm. It is necessary to relocate the pipeline at a depth of approximately 9m to enable the rail construction and operation in accordance with Australian Standards. Epic Energy (Epic) will be facilitating the installation of approximately 670m of pipeline for the relocation of the Pilbara Energy Pipeline (PEPL) so that RHIO can construct a new railway infrastructure as part of the RHI Railway Project. This is known as the 'PEPL Relocation Project'. With effect from 12 December 2012 Epic Energy became a wholly-owned subsidiary of the APA Group. Epic Energy as the Licensee and operator will be

	managing the construction work on this Project. The PEPL Relocation Project is located approximately 11km south west of Port Hedland and 5km west of South Hedland, specifically within the Boodarie Pastoral Lease Station, which is located on Crown Land. To the east of the project site is Turner River. Access to the project site will be gained through a 7.25km access track connecting the project site to the North West Coastal Highway. The PEPL is contained within a 30m easement, with the PL22 licence area. The PL22 licence area extends 125m laterally on either side of the PEPL centerline. The construction will be contained within the PL22 licence area and a section 91 licence under the Land Administration Act of 1997 is currently being sought for the area outside the registered easement but within the PL22 licence area. It is necessary that the PEPL Relocation Project is completed prior to the construction of the Roy Hill railway. Based on this, plans are to carry out construction between May 2013 and February 2014.
Extent (area) of proposed ground disturbance	The Project area incorporates the area within the PL22 licence area, existing registered easement and pending s91 licence area. The works will be contained within the PL22 licence area which was granted for the original PEPL construction. The original PEPL construction was conducted under the *Pilbara Energy Project Agreement Act 1994,* EPA Bulletin 725 and PL22 issued under the *Petroleum Pipelines Act 1969*. Project works will require the clearing of two native vegetation communities in this area, specifically FCT6a and 6d, which covers a total ground area of 22.341ha. Details on the vegetation in the Project area, flora, fauna and other environmental values have been summarised in the Project's Construction Environmental Plan (CEP).
Timeframe in which the activity or development is proposed to occur (Include start and finish dates where applicable)	The Proposal will be implemented in one construction phase between May 2013 and February 2014.
Details of any staging of the proposal	The Proposal will be implemented in one construction phase between May 2013 and February 2014.
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 - • Title of the strategic assessment	No

• Ministerial Statement number	
Indicate whether, and in what way, the proposal is related to other proposals in the region.	The original PEPL construction was conducted under the *Pilbara Energy Project Agreement Act 1994,* EPA Bulletin 725 and PL22 issued under the *Petroleum Pipelines Act 1969*.
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 Project area incorporates the area within the PL22 licence area, existing registered easement and pending section 91 licence area (to be granted under the *Land Administration Act 1997*). The works will be contained within the PL22 licence area which was granted for the original PEPL construction. In addition, there is an existing access agreement with Boodarie Station.
What is the current land use on the property, and the extent (area in hectares) of the property?	The current land use within the PL22 licence area is for gas pipeline purposes of which the entire section 91 licence area is 516,000m^2 and is wholly contained within the PL22 licence area.

1.3 LOCATION

Name of the Shire in which the proposal is located	Shire of Port Hedland
For urban areas – • street address • lot number • suburb • nearest road intersection	Not applicable
For remote localities – • nearest town • distance and direction from that town to the proposal site	Town of Port Hedland The proposed Project is located approximately 11km south west of Port Hedland and 5km west of South Hedland within the Boodarie Pastoral Lease Station in the Pilbara region of Western Australia. To the east of the Project is Turner River and access to the Project area can be gained through a 7.25km track connecting the Project site to the Northwest Coastal Highway.
Electronic spatial data - GIS or CAD on CD, geo-referenced and conforming to the following parameters: • GIS: polygons representing all activities and named • CAD: simple closed polygons representing all activities and named • datum: GDA94 • projection: Geographic (latitude/longitude) or Map Grid of Australia (MGA) • format: Arcview shapefile, Arcinfo coverages, Microstation or AutoCAD	Enclosed: Yes

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.	Not applicable.

1.5 GOVERNMENT APPROVALS

Is rezoning of any land required before the proposal can be implemented? If Yes, provide details.		No	
Is approval required from any Commonwealth or State Government agency or Local Authority for any part of the proposal? If yes, complete the table below -		The Project is being implemented under an existing Petroleum Pipelines Act 1969 Pipeline Licence PL22. In accordance with PL22 Consent to Construct is required prior to the implementation of the construction activities, which includes the approval of a Construction Environmental Plan. The Project has also taken the positive action to refer the proposal under the EPBC Act due to the works occurring in potential Bilby and Mulgara habitat. The Project is also submitting an application to clear native vegetation under the Environmental Protection (Clearing of Native Vegetation) Regulations 2004.	
Agency/Authority Department of Mines and Petroleum	Approval Required Consent to Construct under granted PL22 Variation STP-PLV-0023	Application lodged February 2013	Agency/Local Authority contact/s for proposal Kim Anderson, DMP
Department of Mines and Petroleum	Purpose Permit	February 2013	DMP
DoSEWPC	Referral under the Commonwealth Environmental Protection and Biodiversity Act 1999	February 2013	DoSEWPC

PART B - ENVIRONMENTAL IMPACTS AND PROPOSED MANAGEMENT

2. ENVIRONMENTAL IMPACTS

Describe the impacts of the proposal on the following elements of the environment, through the questions below:

The PEPL is an operating pipeline under PL22 issued pursuant to the *Petroleum Pipelines Act 1969* (PPA). The PEPL is contained within a 30m easement, with the PL22 licence area extending 125m laterally either side of the PEPL centreline.

Two recently commissioned vegetation and flora studies (Maia 2011, Woodman 2011) and a fauna study have been conducted along the RHIO rail corridor (Terrestrial Ecosystems 2011). No flora species listed under the EPBC Act 1999 or Declared Rare Flora species under the *Wildlife Conservation Act 1950* were found along the rail corridor (Maia 2011, Woodman 2011). Potential habitats of Bilby and Mulgara, which are listed as vulnerable fauna species under the EPBC Act have been identified along the rail corridor (Terrestrial Ecosystems 2011). However, even though the Proposal could potentially include habitat areas of Bilby and

Mulgara, the Project area is small and the implementation of preventative mitigation measures would minimise or avoid any potential impact on the two species. Given this approach, it would be reasonable to determine that the Project is not likely to have a significant effect on these vulnerable species.

(i) Flora and vegetation #:

Information on vegetation, flora, floristic communities and weeds within the project area is derived from two recent surveys carried out on the Roy Hill Project. Details on these surveys are given below.

- Woodman Environmental (2011): This study reported the findings of a survey of conservation significant and introduced flora within the 0-93 km section of the entire length of the Roy Hill Project corridor. As part of this study, a Floristic Community Type Analysis of vegetation in the 0-40.5 km section of the proposed corridor was also carried out.
- Maia Environmental (2011): This study comprised of the identification of targeted flora at various points along chainage 2 to chainage 148 within the RHI Railway corridor.

Woodman Environmental (2011) classified flora and vegetation identified in their survey of the 0-40.5 km Roy Hill Rail corridor into super-groups.

Of these communities, FCT 6a and 6d were found to occur within the Project area. These are summarized in Table 2.

Conservation Significant Flora occurring within FCT6a communities include: *Abutilon pritzelianum ms* (P1), *Tephrosia rosea* var. *venulosa* (P1) and *Eragrostis crateriformis* (P3). Even though the Project area is considered to contain portions of FCT6a and 6d communities, there are no known occurrences of Conservation Significant Flora in the area.

FCT	Extent in Survey area (ha) (%) RHI Rail Corridor	Local Conservation Significance Ranking of FCT	Local Conservation Significance	Regional Conservation Significance
6a	2,996.74 ha (32.77%) of the survey area	1	FCT 6a was found to comprise of >10 % of the area surveyed along the 0-40.5 km Roy Hill Rail Corridor. The FCT 6a community is known to occur along plains, which are a locally common and widespread type of landform in the area. Conservation Significant flora known to occur in FCT 6a are *Abutilon pritzelianum* ms (P1), *Tephrosia rosea var. venulosa* (P1) and *Eragrostis crateriformis* (P3).	Known to occur outside survey area Likely to be relatively regionally common and widespread based on usual landform type
6d	25.67 ha (0.28%) of the survey area	4	FCT comprises <1 % of survey area. Landforms on which FCT occurs (flats) locally common and widespread	Known to occur outside survey area Likely to be relatively regionally common and widespread based on usual landform type

No nationally-listed threatened flora species, as listed under the *Environmental Protection and Biodiversity Conservation Act of 1999* were recorded in the study undertaken by Woodman Environmental (2011), which includes the Project area.

The closest known Threatened Ecological Communities in the area were located over 100 km to the south of the Roy Hill Rail Corridor. These are namely TEC 46, which are the Themeda Grasslands and TEC 78, which is known as the Ethel Gorge Aquifer Stygobiont Community.

There are no identified Threatened or Priority Ecological Communities within 500 m of the Project area.

There have been no Environmentally Sensitive Areas identified within 500 m of the Project area.

Woodman Environmental (2011) identified the occurrence of Conservation Significant Flora within the 0-40.5 km length of the Roy Hill Rail Corridor. Maia Environmental (2011) also identified two Conservation Significant Flora species during their survey, which is consistent with those by Woodman Environmental (2011).

None of the Conservation Significant Flora species were identified within the Project area.

No weed species identified by the surveys are listed as Declared Plants by the Department of Agriculture and Food (Woodman Environmental 2011).

(ii) fauna #;

To determine the potential impact on fauna in the area, RHIO also commissioned a fauna survey in the area (Terrestrial Ecosystems 2011). Bilby burrows and Mulgara were identified as being present or having a high potential to be present within the Proposal area. The Bilby (*Macrotis lagotis*) is listed as Vulnerable under the EPBC Act 1999 and Schedule 1 under the WA *Wildlife Conservation Act 1950*. The Crest-tailed Mulgara (*Dasycercus cristicauda*) and the Brush-tailed Mulgara (*Dasycercus blythi*), are listed as Vulnerable under the EPBC Act 1999 and Schedule 1 under the WA *Wildlife Conservation Act 1950* and Priority 4 with the DEC.

Potential impacts on Bilby include vegetation clearing and injuring or killing individuals by vehicles on tracks at night. The Project construction area will be searched for burrows within 6 weeks prior to vegetation clearing and if active burrows are located then the Bilbies should be trapped and translocated. Potential impacts on Mulgara include vegetation clearing and injuring or kill individuals on tracks at night.

(iii) rivers, creeks, wetlands and estuaries;

The main surface water body in the area is the Turner River located east of the Project area. This will not be impacted by the Project. There are no creeks, wetlands and estuaries in the Proposal area.

(iv) significant areas and/ or land features;

According to the DEC Native Vegetation Map Viewer, the Proposal is not located within 500m of an Environmentally Sensitive Area as declared under section 51B of the Western Australian Environment Protection Act 1986 (DEC, accessed 17/12/09).

Impacts to soil structure or quality from short term vehicle movements and compaction are considered minimal.

There is a low to no risk of Acid Sulphate Soils and Potential Acid Sulphate Soils being present in the Proposal area.

(v) coastal zone areas;

Not applicable.

(vi) marine areas and biota #;

Not applicable.

(vii) water supply and drainage catchments;

The Pilbara fractured rock aquifer, consisting of Precambrian granite greenstone terrain overlain by superficial sediments in the river valleys (DOW Hydrogeological Atlas 2008). The water table is generally within 15m of the surface in the granitic areas, but may be deeper below the greenstone hills. Groundwater salinity is marginal to brackish. The local regional aquifers have low permeability and annual rainfall is low therefore recharge rates are very minor so it is unlikely that any excavations from the construction of the Project will lead to changes in groundwater hydrology.

Water for the Project will be obtained from an existing RHIO bore located south of the Project site or from Water Corporation town water supply.

(viii) pollution;

Dust is likely to be an issue during construction of the project. The generation of dust during will be minimized by clearing during periods of low wind speed events and using water carts to dampen the ground where surface soil moisture is low.

Noise and vibrations caused during construction will have a minimal impact on the area due to the large separation distance from sensitive locations and the Project area. Noise and vibration from equipment may temporarily deter some fauna, although it is unlikely to be significantly more than the existing roadside noise. Construction activities will take place during regular day time working hours and so artificial light is not considered an issue.

(ix) greenhouse gas emissions;

The Proposal is being designed to ensure compliance with *National Greenhouse and Energy Reporting Act 2007* and associated regulations and industry standards.

(x) contamination; and

Due to the environmental management systems planned for implementation during construction and operation of this Proposal, it is not expected that the Project will result in contamination.

(xi) social surroundings:

The PEPL Relocation Project entails the relocation of the existing pipeline so that RHI can construct a new railway as part of the RHI Railway Project.

The location of the Project is on Pastoral Lease land used for extensive cattle grazing. Access to this land has been obtained under the PEPL pipeline licence PL22, existing registered easement, existing access agreement with Boodarie Station and the pending s91 licence.

Native Title agreements have been obtained for all PPS pipeline licences in Western Australia by processes consistent with the Native Title Act 1993. As such, the PEPL is not subject to native title claims under the Native Title Act 1993.

The PEPL Relocation project is being completed in associated with Roy Hill Infrastructure Pty Ltd pursuant to the Railway (Roy Hill Infrastructure Pty Ltd) Agreement Act 2010. The pending s91 licence area is within the area that RHIO has a current Native Title Agreement with the Kariyarra People, which will be applied to this Project.

Aboriginal heritage surveys were carried out prior to construction of the existing PEPL. The PEPL alignment was selected to avoid known sites of cultural significance protected under the Aboriginal Heritage Act 1972.

A heritage survey was conducted in late 2012 and no heritage sites were identified within or adjacent to the Project Area.

For all information, please indicate:

(a) the source of the information; and

(b) the currency of the information.

2.1 Flora and Vegetation

* 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*

☐ No *If no, go to the next section*

❑ How much vegetation are you proposing to clear (in hectares)? 22.341ha

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

☒ Yes ☐ No If yes, on what date and to which office was the application submitted of the DEC? February 2013

- 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.).

Two flora and vegetation surveys were commissioned by RHIO, that covered the area (refer CEP)

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

☒ Yes ☐ No

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.

Refer CEP

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

☒ No

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

* 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)

☐ Yes ☒ No

If yes, please indicate which Bush Forever site is affected (site number and name of site where appropriate).

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

The Proposal site is located on Pastoral land, used for cattle grazing and covered by various grasses common to the area. The area was previously cleared to allow for the construction of the PEPL under relevant licenses and permits at the time.

2.2 Fauna

* 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*

☒ No *If no, go to the next section*

- Describe the nature and extent of the expected impact.
- Are you aware of any recent fauna surveys carried out over the area to be disturbed by this proposal?

☒ Yes ☐ No

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.)

Refer to CEP.

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

☒ Yes ☐ No (please tick)

Refer to CEP.

* 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.

2.3 Rivers, Creeks, Wetlands and Estuaries

* Will the development occur within 200m of a river, creek, wetland or estuary?

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

☒ No *If no, go to the next section*

* Will the development result in the clearing of vegetation within the 200 m zone?

☐ Yes ☐ No If yes, please describe the extent of the expected impact.

Not applicable.

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

☐ Yes ☐ No If yes, please describe the extent of the expected impact.

Not applicable.

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

☐ Yes ☐ No If yes, please describe the extent of the expected impact.

Not applicable.

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

☐ Yes ☐ No If yes, please describe the extent of the expected impact.

Not applicable.

* 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	☐ Yes	☒ No	☐ Unsure
Environmental Protection (South West Agricultural Zone Wetlands) Policy 1998	☐ Yes	☒ No	☐ Unsure
Perth's Bush Forever site	☐ Yes	☒ No	☐ Unsure
Environmental Protection (Swan & Canning Rivers) Policy 1998	☐ Yes	☒ No	☐ Unsure
The management area as defined in s4(1) of the Swan River Trust Act 1988/	☐ Yes	☒ No	☐ 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) #	☐ Yes	☒ No	☐ Unsure

2.4 Significant Areas and/ or Land Features

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

  ☐ Yes ☒ No If yes, please provide details.

* 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?

  ☐ Yes ☒ No If yes, please provide details.

  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)

* Will the development occur within 300m of a coastal area?

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

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

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

  Not applicable.

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

  ☐ Yes ☒ No If yes, please describe the extent of the expected impact.

* 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

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

  ☐ Yes ☒ No If yes, please describe the extent of the expected impact.

* 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)?

  ☐ Yes ☒ No If yes, please describe the extent of the expected impact.

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

  ☐ Yes ☒ 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

* 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)

☐ Yes ☒ No If yes, please describe what category of area.

* 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)

☐ Yes ☒ No If yes, please describe what category of area.

* 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.)

☐ Yes ☒ No If yes, please describe what category of area.

* 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 ☒ No (please tick)

* Will the proposal require drainage of the land?

☐ Yes ☒ 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.

* 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*

☐ No *If no, go to the next section*

❑ What is the water requirement for the construction and operation of this proposal, in kl/year?

Construction Period: Construction water for dust suppression and associated construction works is approximately 60kL/day over approximately a 3 month period. This equates to approximately 5,040kL.

* What is the proposed source of water for the proposal? (eg dam, bore, surface water etc.)

An existing RHIO bore located south of the Proposal area or existing Water Corporation Port Hedland town supply.

2.8 Pollution

* 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*

Dust (refer CEP) ☐ No *If no, go to the next section*

* Is the proposal a prescribed premise, under the Environmental Protection Regulations?
(Refer to the EPA *General Guide for Referral of Proposals to the EPA under section 38(1) of the EP Act 1986* for more information)

☐ Yes ☒ No If yes, please describe what category of prescribed premise.

* Will the proposal result in gaseous emissions to air?

☒ Yes ☐ No If yes, please briefly describe.

Any emissions resulting from venting and purging during commissioning and operations will be managed in accordance with the existing approved Operational Environmental Plan and managed in accordance with PL22 and Commonwealth requirements. Venting and purging during commissioning activities will be minimal and over a short duration.

* 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?

☐ Yes ☒ No If yes, please briefly describe.

* Will the proposal result in liquid effluent discharge?

☐ Yes ☒ No If yes, please briefly describe the nature, concentrations and receiving environment.

* 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 ☒ No If yes, please describe.

Not applicable.

* Will the proposal produce or result in solid wastes?

☒ Yes ☐ No If yes, please briefly describe the nature, concentrations and disposal location/ method.

Refer CEP.

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

☐ Yes ☒ No

If yes, please briefly describe.

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

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

Please attach the analysis.

* 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.)?

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

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

☐ Yes ☒ No ☐ Not Applicable If yes, please describe and provide the distance to the potential pollution source

2.9 Greenhouse Gas Emissions

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

☐ Yes ☒ No If yes, please provide an estimate of the annual gross emissions in absolute and in carbon dioxide equivalent figures.

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

Not applicable.

2.10 Contamination

* 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?

☐ Yes ☒ No ☐ Unsure If yes, please describe.

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

☐ Yes ☒ No If yes, please describe.

* 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

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

☐ Yes ☒ No ☐ Unsure If yes, please describe.

* Is the proposal on a property which contains or is near a site of high public interest (for example, a major recreation area or natural scenic feature)?

☐ Yes ☒ No If yes, please describe.

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

☐ Yes ☒ No If yes, please describe.

3. PROPOSED MANAGEMENT

3.1 Principles of Environmental Protection

❑ 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 web.)

1. The precautionary principle. ☒ Yes ☐ No

2.	The principle of intergenerational equity.	☒ Yes	☐ No
3.	The principle of the conservation of biological diversity and ecological integrity.	☒ Yes	☐ No
4.	Principles relating to improved valuation, pricing and incentive mechanisms.	☒ Yes	☐ No
5.	The principle of waste minimisation.	☒ Yes	☐ No

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

  ☒ Yes ☐ No

3.2 Consultation

- 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.

See attachments.

Attachment III: Digital Datasets