

Decision Report

Application for Works Approval

Part V Division 3 of the Environmental Protection Act 1986

Works Approval Number W6667/2022/1 Applicant Onslow Iron Pty Ltd ACN 649 012 395 File number DER2022/000152 **Premises** West Pilbara Iron Ore Project Tenement L08/68 CANE WA 6710 As defined by the premises maps attached to the issued works approval Date of report 4 October 2022 Decision Works approval granted

A/MANAGER, RESOURCE INDUSTRIES REGULATORY SERVICES

Officer delegated under section 20 of the Environmental Protection Act 1986

Table of Contents

1.	Decision summary1									
2.	Scope of assessment									
	2.1	Regulatory framework	1							
	2.2	Application summary and overview of premises	1							
	2.3	Other approvals	1							
	2.4	Exclusions	2							
3.	Risk assessment									
	3.1	Source-pathways and receptors	5							
		3.1.1 Emissions and controls	5							
		3.1.2 Receptors	9							
	3.2	Risk ratings1	0							
4.	Cons	ultation1	4							
5.	Conc	lusion1	4							
Refe	rence	s1	4							
App cond	endix [,] ditions	1: Summary of applicant's comments on risk assessment and draft	5							
Арр	endix	2: Application validation summary1	9							

Table 1: Proposed applicant controls	.5
Table 2: Sensitive human and environmental receptors and distance from prescribed activity	.9
Table 3: Risk assessment of potential emissions and discharges from the premises during construction and operation	12
Table 4: Consultation1	14

Figure 1: Premises location	.3
Figure 2: Indicative layout of infrastructure within prescribed premises boundary	.4
Figure 3: Distance to sensitive receptors1	1

1. Decision summary

This decision report documents the assessment of potential risks to the environment and public health from emissions and discharges during the construction and operation of the premises. As a result of this assessment, works approval W6667/2022/1 has been granted.

2. Scope of assessment

2.1 Regulatory framework

In completing the assessment documented in this decision report, the Department of Water and Environmental Regulation (the department; DWER) has considered and given due regard to its regulatory framework and relevant policy documents which are available at https://dwer.wa.gov.au/regulatory-documents.

2.2 Application summary and overview of premises

On 4 April 2022, the applicant submitted an application for a works approval to the department under section 54 of the *Environmental Protection Act 1986* (EP Act).

The application is to undertake construction works relating to the installation and operation of a mobile crushing and screening plant and associated infrastructure to provide material from borrow pit area (BA83A2) for an airstrip, roads, and auxiliary infrastructure areas at the West Pilbara Iron Ore Project (premises). The premises is approximately 58 km north-northeast of Pannawonica (Figure 1 and Figure 2).

The premises relates to the category 12 and the assessed production / design capacity under Schedule 1 of the *Environmental Protection Regulations 1987* (EP Regulations) which is defined in works approval W6667/2022/1. The infrastructure and equipment relating to the premises category and any associated activities which the department has considered in line with *Guideline: Risk Assessments* (DWER 2020a) are outlined in works approval W6667/2022/1.

2.3 Other approvals

Environmental Protection and Biodiversity Conservation Act 1999 (EPBC Act)

The proposal was determined to be a controlled action requiring assessment under the EPBC Act due to potential impacts to listed Threatened Ecological Communities and species. The proposal was approved on 27 November 2011, subject to conditions.

Part IV of the EP Act

The West Pilbara Iron Ore Project (WPIOP) is under the proponent API Management Pty Limited (APIM). APIM referred the proposal, WPIOP Stage 1 Mine and Rail on 12 September 2011. The Environmental Protection Authority (EPA) determined that the proposal be assessed at the level of Public Environmental Review. WPIOP Stage 1 Mine and Rail was approved, subject to the implementation conditions of Ministerial Statement (MS) 881 on 30 November 2011.

In August 2015, APIM submitted a request for a change to both the proposal and MS 881 under Sections 45C and 46 of the EP Act for the mine and rail infrastructure components to be separated. This resulted in separation of the development envelope where MS 1026 is for the rail development envelope and MS 1027 is for the mine development envelope.

The prescribed premises and works approval activities are under the approved MS 1027 Stage 1 Development Envelope.

Mining Proposal under Mining Act 1978

Mining proposal REG ID 35959 approves the construction of the Aerodrome and includes the airstrip and associated facilities and sourcing material from the borrow pit area, BA83A2.

2.4 Exclusions

The following matters are out of the scope of this assessment and have not been considered within the technical risk assessment detailed in this report:

- wastewater treatment plant (WWTP) and sprayfield which are associated with the accommodation camp. These are regulated under works approval (W5064/2011/1) that relates to category 85 (sewage facility);
- landfill site as this is regulated under the works approval (W5172/2012/1) that relates to category 89 (putrescible landfill);
- abstraction of groundwater the applicant intends to source water for the mobile crushing and screening plant from existing groundwater bores under the *Rights in Water Irrigation Act 1914* (RIWI Act) 5C Licence to Abstract, Groundwater Licence (GWL) 174888(2);
- 200 kilovoltage (kV) diesel generator which does not trigger a category 52 (electric power generation);
- 110 kilolitre (kL) self-bunded fuel storage tank which does not trigger a category 73 (bulk storage of chemicals), but the general provisions of the EP Act and *Environmental Protection (Unauthorised Discharges) Regulations 2004* will apply;
- temporary compound that includes maintenance workshop, office / crib rooms, ablutions, soils laboratory, wash bay and fuel storage. Note that the crushing and screening activities that support these construction activities remain within the scope of assessment; and
- temporary asphalt batch plant does not trigger a category 35 (asphalt manufacturing) and will be located within the prescribed premises at the same indicative areas of the mobile crushing and screening plant. Asphalt will be only used within the prescribed premises boundary.

The works approval is related to the prescribed activities specified on the works approval only and does not offer the defence to offence provisions in the EP Act (see s.74, 74A and 74B) relating to emissions or environmental impacts arising from non-prescribed activities, including those listed above.



Figure 1: Premises location



Figure 2: Indicative layout of infrastructure within prescribed premises boundary

3. Risk assessment

The department assesses the risks of emissions from prescribed premises and identifies the potential source, pathway and impact to receptors in accordance with the *Guideline: Risk Assessments* (DWER 2020a).

To establish a risk event there must be an emission, a receptor which may be exposed to that emission through an identified actual or likely pathway, and a potential adverse effect to the receptor from exposure to that emission.

3.1 Source-pathways and receptors

3.1.1 Emissions and controls

The key emissions and associated actual or likely pathway during premises construction and operation which have been considered in this decision report are detailed in Table 1 below. Table 1 also details the control measures the applicant has proposed to assist in controlling these emissions, where necessary.

Emission	Sources	Potential pathways	Proposed controls			
Construction						
Dust	Mobilisation, installation and construction of the crushing and screening plant and associated infrastructure / equipment Site establishment works Movement of mobile equipment and vehicles	Air/windborne pathway Smothering causing reduced photosynthetic functions of vegetation and impact to air quality	 dust suppression will be used on running surfaces of mobile machinery to reduce generation of dust (as required) opportunistic inspections for dust suppression will be undertaken during the assembly of the crushing and screening plant dust suppression systems installed and fitted on the main conveyor of the jaw crusher and cone crusher and consists of: conveyors to be fitted with hoses and spray bars horizontal screener to be fitted with a hydraulic water pump crusher at the cone inlet and outlet to be fitted with hoses and spray bars dust covers will be fitted along the length of the tracked conveyors water carts will be used on access roads and work areas for dust suppression 			

Table 1: Proposed applicant controls

Emission	Sources	Potential pathways	Proposed controls										
			vehicle speed limits will be in place to reduce dust generation, particularly dust prone climatic conditions										
			 where visible dust is noted, assessment of the source will be made, and additional water or alternative options will be applied to the source areas 										
			 high risk weather conditions (e.g., strong winds) will be monitored and additional water applied in preparation 										
			• routine maintenance and housekeeping practices will be undertaken to prevent dust build up										
			all equipment and vehicles will be maintained according to manufacturer's specifications										
			 an incident reporting system will be maintained to record environmental incidents e.g., excessive dust emissions 										
Sediment laden and / or contaminated stormwater to surface and / or groundwater	Mobilisation, installation and construction of the crushing and screening plant and associated infrastructure / equipment	Overland runoff potentially causing ecosystem disturbance Runoff from area following rain / drainage	 the crushing and screening plant will be in an area where natural surface water flow pathways are maintained via implementing surface water diversion / drainage controls 										
			 drainage bunds and culverts will be positioned around the project construction footprint near the airstrip to prevent stormwater runoff entering the operational areas. Bunds and culverts will divert clean stormwater around the borrow pit (BA83A2) area to natural drainage lines 										
			Runoff from area following rain / drainage	 temporary earthen sedimentation collection pond/s constructed with the capacity to hold approximately 410,000 m³ to prevent sediment laden surface water run off 									
			 sediment laden surface water runoff will be retained within the confines of the borrow pit (BA83A2) area or airstrip area 										
			 potentially contaminated stormwater will be retained on site at sedimentation collection pond/s 										
Time-limited (Operation and Opera	tion											
Dust	Operating the crushing and screening plant	Air/windborne pathway	 dust suppression will be used on running surfaces of mobile machinery to reduce generation of dust (as required) 										
	5-	Smothering											

Emission	Sources	Potential pathways	Proposed controls																				
	and associated infrastructure /	causing reduced photosynthetic functions of vegetation and impact to air quality	 dust suppression systems will be maintained and operated on the crusher and screens, for example hoses and water spray bars 																				
	equipment (i.e., crushing, screening,		 feed material will be conditioned by the water cart before being fed into the screens (as required) 																				
	unloading/loading,		 drop heights from the conveyor will be 6 m and height of stockpiles will be 5 m 																				
	material)		dust suppression will be used on product stockpiles to reduce dust lift off (as required)																				
	Movement of		 water carts will be used on access roads and work areas for dust suppression 																				
	mobile equipment and vehicles		 vehicle speed limits will be in place to reduce dust generation, particularly dust prone climatic conditions 																				
			 an inspection / assessment will be undertaken prior to commencement of work (during the day) for dust generation and consider the nature of site activities and predicted weather conditions 																				
			 where visible dust is noted, assessment of the source will be made and additional water or alternative options will be applied to the source areas 																				
			 high risk weather conditions (e.g., strong winds) will be monitored and additional water applied in preparation 																				
			• routine maintenance and housekeeping practices will be undertaken to prevent dust build up																				
			all equipment and vehicles will be maintained according to manufacturer's specifications																				
			 an incident reporting system will be maintained to record environmental incidents e.g., excessive dust emissions 																				

Emission	Sources	Potential pathways	Proposed controls
Discharge of contaminants to land (e.g., hydrocarbons spill)	Operating the crushing and screening plant and associated infrastructure / equipment (i.e., crushing, screening, unloading/loading, and stockpiling of material) Servicing and / or maintenance of mobile plant	Seepage / spillage potentially causing ecosystem disturbance / soil contamination	 fuel will be stored in designated areas with suitable bunding, where storage and handling will be in accordance with Australian Standard (AS 1940) and the <i>Dangerous Goods Safety Act 2004</i> refueling will be undertaken in dedicated areas to minimise risk of contamination nearby waterbodies including the Cane River mobile refueling / service trucks will be fitted with a spill kit and mobile spill tray hazardous waste including hydrocarbons will be collected and stored in suitable containers in a segregated and bunded hazardous waste area spill response procedures will be implemented during a spill incident with affected material stored in appropriate waste receptacles in a bunded area pending removal offsite spill kits will be maintained and checked on a regular basis
Sediment laden and / or contaminated stormwater to surface and / or groundwater	Refueling, accidental spillage, leaks, and equipment malfunction (e.g., lines bursting) Storage of hydrocarbons	Overland runoff potentially causing ecosystem disturbance Runoff from area following rain / drainage Seepage causing contamination of surface water and / or groundwater	 refueling will be undertaken in dedicated areas to minimise risk of contaminating nearby waterbodies including the Cane River any sediment laden runoff produced will be directed into temporary earthen sediment collection ponds and retained within the confines of the approved borrow pit (BA83A2) area or other appropriate work area near the airstrip any clean surface water will be diverted around the work area via bunding, where practicable any uncontaminated surface water runoff will be contained with the work-front through suitable drainage controls and temporary sumps / basins drainage bunds will be maintained to divert clean stormwater into natural drainage lines culverts / sedimentation pond will be maintained during the operation of the screening plant (as required) there will be no planned discharge of water from the work front / premises daily visual inspections of drainage controls (culverts, diversion bunds and sedimentation pond/s) around the borrow pit area, airstrip area, and the location of the screening plant

3.1.2 Receptors

In accordance with the *Guideline: Risk Assessment* (DWER 2020a), the Delegated Officer has excluded the applicant's employees, visitors, and contractors from its assessment. Protection of these parties often involves different exposure risks and prevention strategies and is provided for under other state legislation.

Table 2 and Figure 3 below provides a summary of potential human and environmental receptors that may be impacted as a result of activities upon or emission and discharges from the prescribed premises (*Guideline: Environmental Siting* (DWER 2020b)).

Human receptors	Distance from prescribed activity				
Registered aboriginal and other heritage sites	Multiple heritage sites occur within the prescribed premises boundary. Note: Heritage investigations and consultation with Robe River Kumura community (RRK) and the heritage sites were a subject of a Section 18 consent to disturb (DPLH Ref #34-19572). Heritage consultants with Traditional owners collected the cultural material to avoid a breach of the <i>Aboriginal Heritage Act 1972.</i> Remaining heritage sites have been demarcated to avoid those areas.				
Environmental receptors	Distance from prescribed activity				
Priority Ecological Communities <i>Triodia pisoliticola</i> <i>assemblages of mesas</i> <i>of the West Pilbara</i> P3	Nearest <i>Triodia</i> community is approximately 1.4 km east of the prescribed premises boundary. Note: No threatened ecological communities occur within or near the prescribed premises boundary.				
Threatened / Priority Flora	 Indigofera rivularis P3 occurs within the prescribed premises boundary in the southern portion along the Cane River. Other populations are recorded outside the boundary. Owenia acidula P3 occurs 2.5 km north outside the prescribed premises boundary. Note: Nomenclature change, Indigofera rivularis formerly Indigofera sp. Bungaroo Creek (S. van Leeuwen 4301) P3 				
	<i>Owenia acidula</i> P3 has been screened out due to the distance from the prescribed premises boundary.				
Threatened / Priority Fauna	 Northern quoll (<i>Dasyurus hallucatus</i>) Endangered under BC Act and EPBC Act within the prescribed premises boundary in the southern portion along the Cane River. Other populations are recorded outside the boundary. Ghost Bat (<i>Macroderma gigas</i>) Vulnerable under BC Act and EPBC Act about 1.4 km east of the prescribed premises boundary. Pilbara Leaf-nosed Bat (<i>Rhinonicteris aurantia</i> (Pilbara form)) Vulnerable under <i>Biodiversity Conservation Act 2016</i> (BC Act) and EPBC Act about 1.4 km east of the prescribed premises boundary. Pilbara olive python (<i>Liasis olivaceus barroni</i>) Vulnerable under BC Act and EPBC Act has been observed in the area during previous fauna surveys (Biota Environmental Sciences 2015). 				

Table 2: Sensitive human and environr	nental receptors and	d distance from	prescribed
activity			

Environmental receptors	Distance from prescribed activity				
	 Western pebble-mound mouse (<i>Pseudomys chapmani</i>) P4, four inactive mounds were recorded within the prescribed premises boundary in 2012. Australian bustard (<i>Ardeotis australis</i>) Near threatened in the <i>Action Plan for Australian Birds</i> (Garnett & Crowley 2000), was recorded within the prescribed premises boundary in 2012. 				
	Note: Three of the inactive Western pebble-mound mouse mounds will be cleared as are within the airstrip footprint (REG ID 35959).				
	Management of both the Northern quoll and Pilbara olive python will be in accordance with EPBC 2009/4706 and their associated management plans.				
Pilbara Groundwater	Occurs within the prescribed premises boundary.				
Area (RIWI Act)	Depth to groundwater within prescribed premise boundary ranges from 17 metres below ground surface (m BGS) to 25 m BGS.				
	Nearest groundwater bore is 3.3 km west of the prescribed premises boundary.				
	Number of existing groundwater bores (owned by APIM) occur within the prescribed premises boundary.				
Pilbara Surface Water	Occurs within the prescribed premises boundary.				
Area (RIWI Act)	Cane River Surface Water Management Area (Onslow Coast Basin, Indian Ocean Division)				
Cane River	Intersects in the southern portion of the prescribed premises boundary, approximately 250 m north of the proposed borrow pit area and location of the mobile screening and crushing plant.				

3.2 Risk ratings

Risk ratings have been assessed in accordance with the *Guideline: Risk Assessments* (DWER 2020a) for each identified emission source and takes into account potential source-pathway and receptor linkages as identified in Section 3.1. Where linkages are in-complete these have not been considered further in the risk assessment.

Where the applicant has proposed mitigation measures/controls (as detailed in Section 3.1), these have been considered when determining the final risk rating. Where the Delegated Officer considers the applicant's proposed controls to be critical to maintaining an acceptable level of risk, these will be incorporated into the works approval as regulatory controls.

Additional regulatory controls may be imposed where the applicant's controls are not deemed sufficient. Where this is the case the need for additional controls will be documented and justified in Table 3.

Works approval W6667/2022/1 that accompanies this decision report authorises construction and time-limited operations. The conditions in the issued works approval, as outlined in Table 3 have been determined in accordance with *Guidance Statement: Setting Conditions* (DER 2015).

A licence is required following the time-limited operational phase authorised under the works approval to authorise emissions associated with the ongoing operation of the premises activities. A risk assessment for the operational phase has been included in this decision report, however licence conditions will not be finalised until the department assesses the licence application.



Figure 3: Distance to sensitive receptors

Risk events		Risk rating ¹	Applicant		Justification for			
Sources / activities	Potential emission	Potential pathways and impact	Receptors	Applicant controls	C = consequence L = likelihood	controls sufficient?	Conditions ² of works approval	additional regulatory controls
Construction								
Mobilisation, installation and construction of the crushing and screening plant and associated infrastructure / equipment Site establishment works Movement of mobile equipment and vehicles	Dust	Air/windborne pathway Smothering causing reduced photosynthetic functions of vegetation and impact to air quality	Nearby vegetation Threatened / Priority flora Ambient air quality	Refer to Section 3.1	C = Slight L = Unlikely Low Risk	Y	Condition 1	N/A
Mobilisation, installation and construction of the crushing and screening plant and associated infrastructure / equipment	Sediment laden and / or contaminated stormwater to surface and / or groundwater	Overland runoff potentially causing ecosystem disturbance Runoff from area following rain / drainage	Nearby vegetation Threatened / Priority flora Surface water Nearby drainage lines	Refer to Section 3.1	C = Slight L = Unlikely Low Risk	Y	Condition 1	N/A
Time-limited Operation and Op	peration							
Operating a crushing and screening plant and associated infrastructure / equipment (i.e., crushing, screening, unloading/loading, and stockpiling of material) Movement of mobile equipment and vehicles	Dust	Air/windborne pathway Smothering causing reduced photosynthetic functions of vegetation and impact to air quality	Nearby vegetation Threatened / Priority flora Ambient air quality	Refer to Section 3.1	C = Slight L = Unlikely Low Risk	Y	Condition 6	N/A
Operating a crushing and screening plant and associated infrastructure / equipment (i.e., crushing, screening, unloading/loading,	Discharge of contaminants to land (e.g., hydrocarbons spill)	Seepage / spillage potentially causing ecosystem disturbance / soil contamination	Nearby vegetation Nearby native fauna	Refer to Section 3.1	C = Minor L = Rare Low Risk	Y	Condition 6	N/A

Table 3: Risk assessment of potential emissions and discharges from the premises during construction and operation

Risk events					Risk rating ¹	Annlinent		lugtification for
Sources / activities	Potential emission	Potential pathways and impact	Receptors	Applicant controls	C = consequence L = likelihood	Applicant controls sufficient?	Conditions ² of works approval	additional regulatory controls
and stockpiling of material)			Threatened / Priority flora Threatened / Priority fauna Surrounding soils					
	Sediment laden and / or contaminated stormwater to surface and / or groundwater	Overland runoff potentially causing ecosystem disturbance Runoff from area following rain / drainage Seepage causing contamination of surface water and / or groundwater	Cane River Other nearby drainage lines Nearby riparian vegetation Surface water Groundwater	Refer to Section 3.1	C = Minor L = Rare Low Risk	Y	Condition 6	N/A
Refueling, accidental spillage, leaks, and equipment malfunction (e.g., lines bursting) Storage of hydrocarbons	Sediment laden and / or contaminated stormwater to surface and / or groundwater	Overland runoff potentially causing ecosystem disturbance Runoff from area following rain / drainage Seepage causing contamination of surface water and / or groundwater	Cane River Other nearby drainage lines Nearby riparian vegetation Surface water Groundwater	Refer to Section 3.1	C = Slight L = Unlikely Low Risk	Y	No conditions imposed. The general provisions of the EP Act and <i>Environmental</i> <i>Protection (Unauthorised</i> <i>Discharges) Regulations</i> 2004 apply	N/A

Note 1: Consequence ratings, likelihood ratings and risk descriptions are detailed in the Guideline: Risk Assessments (DWER 2020a).

Note 2: Proposed applicant controls are depicted by standard text. Bold and underline text depicts additional regulatory controls imposed by department.

4. Consultation

Table 4 provides a summary of the consultation undertaken by the department.

Table 4: Consultation

Consultation method	Comments received	Department response
Application advertised on the department's website on 27 June 2022	None received	N/A
Local Government Authority advised of proposal on 20 June 2022	The Shire of Ashburton replied on 5 July 2022 and stated that due to the proximity of the development, there are no significant concerns identified.	No response required
Department of Mines, Industry Regulation and Safety (DMIRS) advised of proposal on 20 June 2022	DMIRS replied on 11 July 2022 stating that: "The borrow area, crushing and screening and temporary batch plants proposed in the Works Approval appear to be generally consistent with what is approved under Mining Proposal REG ID 35959 (the MP). Indicative locations of prescribed activity and indicative layout appear to be consistent with the indicative site plan	No response required
	provided in the MP."	
Applicant was provided with draft documents on 26 August 2022	Applicant provided comments on 20 September 2022, which are detailed in Appendix 1.	The department's response is provided in Appendix 1.

5. Conclusion

Based on the assessment in this decision report, the Delegated Officer has determined that a works approval will be granted, subject to conditions commensurate with the determined controls and necessary for administration and reporting requirements.

References

- 1. Biota Environmental Sciences 2015, *WPIOP Stage 1 Extension Additional Areas Fauna Assessment*, prepared for API Management Pty Ltd, November 2015.
- 2. Department of Environment Regulation (DER) 2015, *Guidance Statement: Setting Conditions*, Perth, Western Australia.
- 3. Department of Water and Environmental Regulation (DWER) 2019, Landfill Waste Classification and Waste Definitions 1996 (as amended 2019), Perth, Western Australia.
- 4. DWER 2020a, Guideline: Risk Assessments, Perth, Western Australia.
- 5. DWER 2020b, Guideline: Environmental Siting, Perth, Western Australia.
- 6. Garnett, S. and Crowley, G.M. 2000, *The action plan for Australian birds 2000*, Environment Australia, Canberra.

Appendix 1: Summary of applicant's comments on risk assessment and draft conditions

Condition / Section	Summary of applicant's comment	Department's response			
Works Approval					
Cover page: Registered Business Address	 Registered Business Address has changed since the lodgement of this Works Approval. The Applicant is now located at: Registered Business Address: 20 Walters Drive, Osborne Park, WA 6017 Postal Address: Locked Bag 13, Osborne Park DC, WA 6916 	Address updated.			
		The department has updated the following in Table 1 as indicated below:			
Condition 1 Table 1	 As noted in Table 7-2 of the Supporting Document: The Conveyors will be fitted with hoses and spray bars The Horizontal Screener will be fitted with a bydraulic water nump 	dust suppression system installed and fitted on the main conveyor of the jaw crusher and cone crusher and consists of:			
Applicant to specify what dust	In addition, a 50,000 L Water Cart will be onsite and utilised for dust suppression. The Applicant will fit the crusher (at the cone inlet and outlet) with hoses and spray	 conveyors to be fitted with noses and spray bars horizontal screener to be fitted with a 			
suppression system will be used	bars.	 - crusher at the cone inlet and outlet to be fitted with hoses and spray bars 			
		The department has updated the following in Table 1 as indicated below:			
Condition 1 Table 1	The Applicant will divert clean stormwater around the Borrow Pit (BA83A2),	drainage bunds and culverts constructed and positioned to prevent clean			
(Drainage bunds and culverts) Applicant to specify where clean	through the use of bunding, to natural drainage lines (e.g., Cane River). The Crushing and Screening Plant will be positioned in the borrow area so that natural surface water flow paths are maintained. This is detailed in Attachment 4.	stormwater from entering operational areas and divert clean stormwater around the Borrow Pit (BA83A2) to natural drainage lines			
		Figures in Attachment 4 have been included under Schedule 1: Maps as:			

Condition / Section	Summary of applicant's comment	Department's response
		 Figure 2 – Map of indicative surface water flows at BA83A2; and Figure 3 – Map of indicative surface water flows at the construction area
Condition 1 Table 1 (Sediment collection ponds) Applicant to specify the capacity of temporary earthen sedimentation collection pond Applicant to update figure (Schedule 1 Map: Figure 1) to indicate location of the sedimentation pond Applicant to indicate where contaminated stormwater will be retained on site	Where the Applicant mentions a 'temporary earthen sediment collection pond' or 'sedimentation pond/basin', it should be noted that this refers to a low area (or collection point, e.g., BA83A2) where surface water can drain to. This collection point will retain local surface flows and, sediment laden water and stormwater runoff within the confines of BA83A2, with sufficient holding time for sediment to fall out (see Attachment 3). The capacity of this collection point is estimated at 410,000m ³ . Additionally, the other proposed location for operating the crushing and screening plant adjacent to the aerodrome, is within the construction work front. This area will include temporary earthen diversion bunds to prevent ingress of storm water to the crushing and screening area. Similarly, a low area (collection point) will be established within the other crushing and screening area to retain any potentially contaminated runoff within the work front. During normal operations there is not expected to be any contaminated storm water within the areas proposed for operating the crushing and screening plant. Potentially contaminated stormwater (hydrocarbon contaminated water) has the potential occur in the event of a hydrocarbon spill as a result of potential spills of leaks from refueling the Crushing and Screening Plant generator, or from unexpected failures of equipment. Hydrocarbon spills are anticipated to be only minor in nature and all spills will be managed in accordance with the MRL Hydrocarbon Spill Procedure. The procedure requires spills to be managed immediately and spills to be contained, controlled and cleaned up. Therefore, it is not expected that any contaminated stormwater will result from the Prescribed Activities. The location of the collection points is displayed in Attachment 3.	The department has updated the sedimentation collection pond capacity to the estimated 410,000 m ³ Figure 1 under Schedule 1: Maps has been updated with the new figure provided by the applicant. The department has updated the following in Table 1 as indicated below: • potentially contaminated stormwater will be retained on site at a sedimentation collection pond/s
Condition 6 Table 2 (Sediment collection ponds) Applicant to update figure (Schedule 1 Map: Figure 1) to indicate location of the sedimentation pond	Where the Applicant mentions a 'temporary earthen sediment collection pond' or 'sedimentation pond/basin', it should be noted that this refers to a low area (or collection point, e.g., BA83A2) where surface water can drain to. This collection point will retain local surface flows and, sediment laden water and stormwater runoff within the confines of BA83A2, with sufficient holding time for sediment to fall out (see Attachment 3). The capacity of this collection point is estimated at 410,000m ³ . Additionally, the other proposed location for operating the crushing and screening plant adjacent to the aerodrome, is within the construction work front. This area will include temporary earthen diversion bunds to prevent ingress of storm water to the crushing and screening area. Similarly, a low area (collection	Figure 1 under Schedule 1: Maps has been updated with the new figure provided by the applicant.

Condition / Section	Summary of applicant's comment	Department's response	
	point) will be established within the other crushing and screening area to retain any potentially contaminated runoff within the work front.		
	The location of the collection points is displayed in Attachment 3.		
Decision Report			
Section 2.4 Applicant to confirm Power Plant on Figure 2 refers to the Diesel Generator	The Power Plant on Figure 2 was originally approved under Mining Proposal REGID 35959. REG ID 35959 has been superseded by REG ID 113633 (lodged 31 August 2022) and the use of the Power Plant is no longer required. Figure 2 / Schedule 1 – Figure 1 has been updated to remove reference to a Power Plant (see Attachment 3). Instead, the diesel generator for the mobile Crushing and Screening Plant will be located proximal to the mobile Crushing and Screening Plant, as displayed on Attachment 3. Total fuel storage within the Premises Boundary inclusive of the proposed 110 kL self-bunded tank remains below the Schedule 1 production or design capacity for Category 73.	Figure 2 has been updated with the new figure provided by the applicant.	
Section 2.4 Applicant to confirm that the asphalt plant is to be located within the prescribed premises boundary and the material will only be used within the prescribed premises boundary	The Applicant confirms that the Asphalt Plant will only be located within the Prescribed Premise Boundary, and the material will only be used within the Prescribed Premise Boundary.	No changes made.	
Section 3.1.1 Table 1 (Construction, Dust) Applicant to specify what these dust suppression systems are, for example water spray bars (to be installed and fitted on the crusher and screens)	 As noted in Table 7-2 of the Supporting Document: The Conveyors will be fitted with hoses and spray bars The Horizontal Screener will be fitted with a hydraulic water pump. In addition, a 50,000 L Water Cart will be onsite and utilised for dust suppression. The Applicant will fit the crusher (at the cone inlet and outlet) with hoses and spray bars. 	 The department has updated the following in Table 1 as indicated below: dust suppression system installed and fitted on the main conveyor of the jaw crusher and cone crusher and consists of: conveyors to be fitted with hoses and spray bars horizontal screener to be fitted with a hydraulic water pump crusher at the cone inlet and outlet to be fitted with hoses and spray bars 	

Condition / Section	Summary of applicant's comment	Department's response
Section 3.1.1 Table 1 (Construction, Sediment Laden and/or contaminated stormwater to surface and/or groundwater) Applicant to specify where clean stormwater will be diverted to. Applicant to specify the capacity of temporary earthen sedimentation collection pond In addition to the sedimentation pond, applicant to specify where else the stormwater/surface water will be contained Applicant to indicate where contaminated stormwater will be directed to	The Applicant will divert clean stormwater around the Borrow Pit (BA83A2), through the use of bunding, to natural drainage lines (e.g., Cane River). The Crushing and Screening Plant will be positioned in the borrow area so that natural surface water flow paths are maintained. This is detailed on Attachment 4. Where the Applicant mentions a 'temporary earthen sediment collection pond' or 'sedimentation pond/basin', it should be noted that this refers to a low area (or collection point, e.g., BA83A2) where surface water can drain to. This collection point will retain local surface flows and, sediment laden water and stormwater runoff within the confines of BA83A2, with sufficient holding time for sediment to fall out (see Attachment 3). The capacity of this collection point is estimated at 410,000m ³ . Additionally, the other proposed location for operating the crushing and screening plant adjacent to the aerodrome, is within the construction work front. This area will include temporary earthen diversion bunds to prevent ingress of storm water to the crushing and screening area. Similarly, a low area (collection point) will be established within the other crushing and screening area to retain any potentially contaminated runoff within the work front.	 The department has updated the following in Table 1 as indicated below: clean stormwater being diverted around the Borrow Pit (BA83A2) to natural drainage lines the sedimentation collection pond capacity to be approximately 410,000 m³ any uncontaminated surface water runoff will be contained within the work-front through suitable drainage controls and temporary sumps / basins potentially contaminated stormwater will be retained on site at a sedimentation collection pond/s
Section 3.1.1 Table 1 (Time Limited Operations, Dust) Applicant to specify what these dust suppression systems are, for example water spray bars (to be installed and fitted on the crusher and screens) Applicant to specify height of stockpiles and drop heights from conveyors	 As noted in Table 7-2 of the Supporting Document: The Conveyors will be fitted with hoses and spray bars The Horizontal Screener will be fitted with a hydraulic water pump. In addition, a 50,000 L Water Cart will be onsite and utilised for dust suppression. The Applicant will fit the crusher (at the cone inlet and outlet) with hoses and spray bars. The stockpile height will be 5 m and drop heights from the conveyor will be 6 m. 	 The department has updated the following in Table 1 as indicated below: dust suppression systems will be maintained and operated on the crusher and screens, for example hoses and water spray bars drop heights from the conveyor will be 6 m and height of stockpiles will be 5 m

Appendix 2: Application validation summary

SECTION 1: APPLICATION SUMMARY					
Application type					
Works approval	X				
		Relevant works approval number:		None	
		Has the works approval been complied with?		Yes 🗆 No 🗆	
Licence		Has time limited operations under the works approval demonstrated acceptable operations?		Yes 🗆 No 🗆 N/A 🗆	
		Environmental Com Critical Containmen Report submitted?	npliance Report / nt Infrastructure Yes □ No □		No 🗆
		Date Report received:			
Renewal		Current licence number:			
Amendment to works approval		Current works approval number:			
Amondmont to license		Current licence number:	nce		
Amendment to licence		Relevant works approval number:		N/A	
Registration		Current works approval number:		None	
Date application received		4 April 2022			
Applicant and Premises details					
Applicant name/s (full legal name/s)		A.C.N. 649 012 395 Pty Ltd			
Premises name		West Pilbara Iron Ore Project			
Premises location		Premises boundary aligns with boundary of Tenement L08/68 Figure 2 in the Supporting Document CANE WA 6710			
Local Government Authority		Shire of Ashburton			
Application documents					
HPCM file reference number:		DER2022/000152			
Key application documents (additional to application form):		West Pilbara Iron Ore Project – Category 12 Supporting Document (KB484-EN-RPT-001)			
Scope of application/assessment					
Summary of proposed activities or changes to existing operations.		The applicant requires a mobile crushing and screening plant and associated infrastructure / equipment to provide material as part of construction of an airstrip, site roads, and auxiliary mine infrastructure areas.			

Category number/s (activities that cause the premises to become prescribed premises)				
Table 1: Prescribed premises categories				
Prescribed premises category F and description d		posed production or gn capacity	Proposed changes to the production or design capacity (amendments only)	
Category 12: Screening etc. of material – premises (other than premises within category 5 or 8) on which material extracted from the ground is screened, washed, crushed, ground, milled, sized or separated.	>50, Note 200,	000 tonnes per year e: maximum capacity 000 tonnes per year		
Legislative context and other approv	vals			
Has the applicant referred, or do they intend to refer, their proposal to the EPA under Part IV of the EP Act as a significant proposal?		Yes 🗆 No 🛛	Referral decision No: N/A Managed under Part V □ Assessed under Part IV □	
Does the applicant hold any existing Part IV Ministerial Statements relevant to the application?		Yes □ No ⊠ Under proponent API Management Pty Limited	Ministerial statement No: 1027 EPA Report No: 1563	
Has the proposal been referred and/or assessed under the EPBC Act?		Yes 🛛 No 🗆	Reference No: EPBC2009/4706	
Has the applicant demonstrated occupancy (proof of occupier status)?		Yes ⊠ No □	Certificate of title General lease Mining lease / tenement Cther evidence Expiry: N/A Change Manager and Authority to Act Letter 16 February 2022	
Has the applicant obtained all relevant planning approvals?		Yes 🗆 No 🗆 N/A 🛛	Approval: Expiry date: If N/A explain why?	
Has the applicant applied for, or have an existing EP Act clearing permit in relation to this proposal?		Yes 🗆 No 🛛	CPS No: N/A Clearing approved under MS 1027 Mining Proposal REG ID 35959	
Has the applicant applied for, or have an existing CAWS Act clearing licence in relation to this proposal?		Yes 🗆 No 🛛	Application reference No: N/A Licence/permit No: N/A <i>Licence not required</i>	
Has the applicant applied for, or have an existing RIWI Act licence or permit in relation to this proposal?		Yes 🛛 No 🗆	Application reference No: N/A Licence/permit No: GWL174888(2)	

Does the proposal involve a discharge of waste into a designated area (as defined in section 57 of the EP Act)? No discharge of waste will occur for this category 12. Any waste produced will be disposed offsite by licensed carriers to a license waste disposal facility.	Yes □ No ⊠ Proclaimed Groundwater Area and Surface Water Area occur within prescribed premises boundary. Depth to groundwater within prescribed premise boundary ranges from 17 m BGS and 25 m BGS.	 Name: Pilbara Surface Water Area & Pilbara Groundwater Area Type: Proclaimed Groundwater Area/Surface Water Area Has Regulatory Services (Water) been consulted? Yes □ No □ N/A ⊠ Regional office: North West
Is the Premises situated in a Public Drinking Water Source Area (PDWSA)?	Yes □ No ⊠	Name: N/A Priority: N/A Are the proposed activities/ landuse compatible with the PDWSA (refer to WQPN 25)? Yes □ No □ N/A ⊠ P1 Bungaroo Creek water Reserve approximately 27 km northeast of prescribed premises boundary
Is the Premises subject to any other Acts or subsidiary regulations (e.g. Dangerous Goods Safety Act 2004, Environmental Protection (Controlled Waste) Regulations 2004, State Agreement Act xxxx)	Yes ⊠ No □	Wastes will be removed from site by a licensed contractor for disposal at an approved waste disposal facility in accordance with the <i>Environmental Protection</i> <i>(Controlled Waste) Regulations</i> 2004.
Is the Premises within an Environmental Protection Policy (EPP) Area?	Yes □ No ⊠	N/A
Is the Premises subject to any EPP requirements?	Yes □ No ⊠	N/A
Is the Premises a known or suspected contaminated site under the <i>Contaminated Sites Act 2003</i> ?	Yes 🗆 No 🛛	Classification: N/A Date of classification: N/A