



Application for Works Approval

Part V Division 3 of the *Environmental Protection Act 1986*

Works Approval Number	W6596/2021/1
Applicant	IB Operations Pty Ltd
ACN	165 513 557
File number	DER2021/000416
Premises	North Star Magnetite Project Marble Bar Wastewater Treatment Plant Part of Mining Tenement L45/486 Marble Bar Road MARBLE BAR WA 6760 As defined by the coordinates in Schedule 2 of the works approval
Date of report	28 January 2022
Decision	Works approval granted

Melissa Chamberlain

**A/MANAGER WASTE INDUSTRIES
REGULATORY SERVICES**

an officer delegated under section 20 of the *Environmental Protection Act 1986* (WA)

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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 W6596/2021/1 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 22 July 2021, 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 relates to the construction and installation of a wastewater treatment plant (WWTP) mobile unit, temporary irrigation spray field and associated infrastructure (the premises). The premises is approximately 50 km north-west of the town of Marble Bar.

The applicant is constructing a pipeline from the Canning Basin to the Ore Processing Facility as a part of Stage 2 of the North Star Magnetite Project. To support the construction of this pipeline, the applicant is establishing a construction camp at Marble Bar Road. This camp will host up to 356 people during pipeline construction with the proposed WWTP having capacity to treat up to 89kL/day (89m³/day) of wastewater generated by the camp.

The applicant will also be constructing and operating a Reverse Osmosis (RO) plant at the construction camp to produce potable water. As the volume of water to be treated by this plant will remain under 0.5GL/year, a registration for a Category 85B prescribed premises under Schedule 1 of the *Environmental Protection Regulations 1987* (the Regulations) will not be required. The applicant is proposing to mix the RO reject water with the treated effluent prior to discharge to the irrigation spray field. The estimated RO reject water discharge volume is 91kL/day (91m³/day) thus a combined total of 180kL/day (180 m³/day) of RO reject and treated effluent is to be discharged to the irrigation spray field.

The applicant has advised that the premises is temporary and will operate for 12 – 18 months. The application submission has requested both commissioning and time-limited operations prior to the granting of a licence.

The premises relates to the category and assessed production / design capacity under Schedule 1 of the *Environmental Protection Regulations 1987* (EP Regulations) which are defined in works approval W6596/2021/1. 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 2020) are outlined in works approval W6596/2021/1.

2.3 Part IV of the EP Act

The Premises is subject to Ministerial Statement 993 (MS993), issued on 5 January 2015 which specifies criteria for the construction and operation of an open-cut iron ore mine and associated infrastructure forming part of the North Star Magnetite Project. The Delegated Officer has determined that the proposal is consistent with MS993.

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 2020).

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.

Table 1: Proposed applicant controls

Emission	Sources	Potential pathways	Proposed controls
Construction and Installation			
Dust	Vehicle movements Earthworks including the clearing of vegetation Installation of the wastewater treatment plant infrastructure and equipment	Air / windborne pathway	<ul style="list-style-type: none"> All personnel and contractors working in the project area will be informed of their responsibilities in dust management. Vegetation clearing and disturbance will be minimised. Water carts will be deployed for use where required Vehicle speeds will be restricted where required.
Noise	Operation of vehicles and machinery	Air / windborne pathway	No proposed controls.
Spills/unintended releases of hydrocarbons or chemicals	Chemical handling and storage	Seepage to soil and groundwater	<ul style="list-style-type: none"> Chemical storage area to be fully contained and bunded where required. Storage of chemical materials to be in accordance with Australian Standards including: <ul style="list-style-type: none"> AS1940-2004 – Storage and Handling of Flammable and Combustible Liquids AS3780-2008 – Storage and Handling of Corrosive Substances AS3833-2007 – Storage and Handling of Mixed Classes of Dangerous Goods.

Emission	Sources	Potential pathways	Proposed controls
Commissioning and Time-limited Operations			
Dust	Vehicle movements	Air / windborne pathway	<ul style="list-style-type: none"> All personnel and contractors working in the project area will be informed of their responsibilities in dust management. Water carts will be deployed for use where required Vehicle speeds will be restricted where required.
Noise	Operation of vehicles and machinery	Air / windborne pathway	No proposed controls.
Odour	Commissioning works, WWTP operations and sludge removal	Air / windborne pathway	<ul style="list-style-type: none"> WWTP tanks are contained and not expected to release odour. Treated wastewater being discharged to the irrigation spray field is not expected to be odorous. Maintenance schedule to include odour checks around the facility and any follow up repair works in response to odour release where required.
Spills/ unintended releases of partially treated wastewater or solid waste	Infrastructure and equipment failure Maintenance works	Seepage to soil and groundwater	<ul style="list-style-type: none"> Groundwater separation greater than 80mbgl and risk of permeation to groundwater is low. WWTP systems will monitor tank volumes with an alarm system to notify of high-risk volumes. WWTP installation over compact ground.
Contaminated or potentially contaminated stormwater	Stormwater interaction with plant and irrigation spray-field	Seepage to soil and groundwater	<ul style="list-style-type: none"> 1% slope grade across the designated spray-field area. Windrowing the lower slope grade of the discharge area to contain any run-off. Groundwater separation greater than 80mbgl and risk of permeation to groundwater is low. WWTP installation over compact ground.
Spills/unintended releases of hydrocarbons or chemicals	Chemical handling and storage	Seepage to soil and groundwater	<ul style="list-style-type: none"> Chemical storage area to be fully contained and bunded where required. Chemical storage tanks to include HDPE chemical containment bunding Storage of chemical materials to be in accordance with Australian Standards including:

Emission	Sources	Potential pathways	Proposed controls
			<ul style="list-style-type: none"> ○ AS1940-2004 – Storage and Handling of Flammable and Combustible Liquids ○ AS3780-2008 – Storage and Handling of Corrosive Substances ○ AS3833-2007 – Storage and Handling of Mixed Classes of Dangerous Goods. ● Chemical storage tanks within the WWTP to have sufficient capacity for several weeks of normal system operation.
Discharge of treated sewage to irrigation spray-field		Seepage to soil and groundwater	<ul style="list-style-type: none"> ● Minimal disturbance and clearing of vegetation. ● Controlled discharge to the 4.5ha irrigation spray-field only to prevent ponding. ● 1% slope grade across the designated irrigation spray-field area. ● Windrowing the lower slope grade of the discharge area to contain any run-off. ● Groundwater separation greater than 80mbgl and risk of permeation to groundwater is low. ● Field permeability results indicate moderately average permeability rate of 1.5m/day. ● Regular monitoring of treated wastewater quality. ● Ensuring wastewater is treated to below target concentration limits for all parameters. ● Sludge to be collected in sludge tanks and periodically removed by a licensed carrier to an appropriately licensed facility.

3.1.2 Receptors

In accordance with the *Guideline: Risk Assessment* (DWER 2020), 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 1 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 2020)).

Table 2: Sensitive human and environmental receptors and distance from prescribed activity

Human receptors	Distance from prescribed activity
Native Title Holders the Nyamal people (via the Nyamal Aboriginal Corporation RNTBC)	The proposed Premises is located within the Nyamal Native Title Determination area (WCD2019/011). Native Title Holders visiting this area are considered a potential human receptor to activities on the Premises.
Environmental receptors	Distance from prescribed activity
Surface water	<p>The proposed premises is located within the Pilbara Surface Water Area (proclaimed under the RIWI Act 1914) and the De Grey River Basin area within the De Grey River/Shaw River catchment.</p> <p>Based on the 1:250,000 Hydrography WA map of the region:</p> <ul style="list-style-type: none"> An unnamed minor non-perennial watercourse runs through the prescribed premises boundary. <p>A major non-perennial watercourse (Shaw River) is located ≈ 9 km north-west of the prescribed premises boundary.</p>
Groundwater	<p>The proposed premises is located within the Pilbara Groundwater Area (proclaimed under the RIWI Act 1914).</p> <p>The drilling of two pilot holes by the applicant have detected groundwater within a fractured rock zone between 80 – 88 mbgl.</p> <p>Groundwater licence GWL175700 permits the taking of 20,000,000kL of water per annum from the confined Wallal Aquifer located within the Canning Basin bore field (located approx. 160km east of Port Hedland). This water is transported via a water pipeline along the water corridor development envelope for a range of activities which includes dust suppression for earthworks and construction activities and mining camp purposes associated with this works approval application.</p> <p>DWER Water Information Reporting Database indicates a nearby bore (71010054) drilled to a depth of 16.5m which is recorded as dry.</p>

Table 3: Soil type at the premises

Soil type	Description
The applicant has indicated that soils within the vicinity of the premises fit within an area dominated by the local soil group 405 – red deep sandy duplex.	<p>The applicant has provided the following description of the soil type:</p> <p>Soil type characterised by red sand over sandy clay loam to clay at 30-80cm. The Guelph Permeability field data suggest the local subsurface profile to have a sand/trace silt profile at 0-0.15m deep and the permeability to be approx. 1.5m/day indicating a 'moderate' permeability rate.</p>

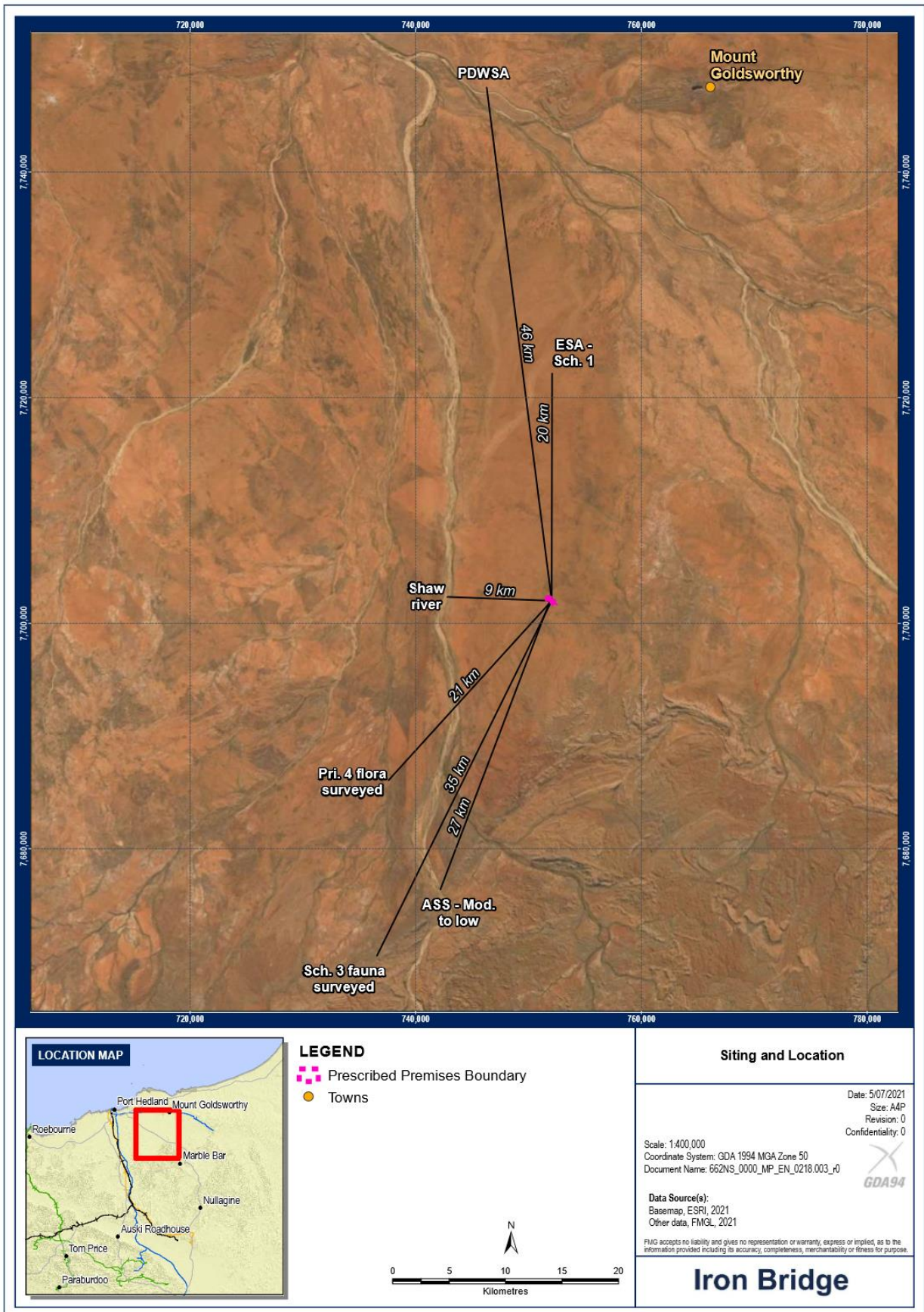


Figure 1: Distance to sensitive receptors

3.2 Risk ratings

Risk ratings have been assessed in accordance with the *Guideline: Risk Assessments* (DWER 2020) 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 they 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 4.

Works approval W6596/2021/1 that accompanies this decision report authorises construction and time-limited operations. The conditions in the issued works approval, as outlined in Table 4 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 i.e. operation of a wastewater treatment plant. 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.

Table 4: Risk assessment of potential emissions and discharges from the premises during construction, installation, commissioning and operation

Risk events					Risk rating ¹ C = consequence L = likelihood	Applicant controls sufficient?	Conditions ² of works approval	Justification for additional regulatory controls
Sources / activities	Potential emission	Potential pathways and impact	Receptors	Applicant controls				
Construction and Installation								
Vehicle movements Earthworks including the clearing of vegetation Installation of the wastewater treatment plant infrastructure and equipment	Dust	Air / windborne pathway causing impacts to health and amenity	Visitors to the Nyamal Native Title Determination area	Refer to Section 3.1	C = Slight L = Unlikely Low Risk	Yes	Condition 1, Table 1, 3.d) Condition requiring availability of a water cart added as per the applicant's proposed controls for dust emissions.	N/A
	Noise				C = Slight L = Unlikely Low Risk	Yes	No regulatory controls have been added to the works approval as installation activities and vehicle movements onsite are not expected to generate unreasonable noise emissions and are subject to the <i>Environmental Protection (Noise) Regulations 1997</i> .	N/A
	Spills/ unintended releases of hydrocarbons or chemicals	Overland flow or infiltration to groundwater causing impact to: - Minor non-perennial watercourse - Groundwater quality	Pilbara groundwater area Minor non-perennial watercourse		C = Minor L = Unlikely Medium Risk	Yes	Condition 1, Table 1, 3.a), c), e), f) Condition 13, Table 5 Conditions relating to chemical storage have been added to the works approval as per the applicant's proposed controls.	N/A
Commissioning and Operation (including time-limited-operations)								
Vehicle movements Commissioning of WWTP Operation of the WWTP	Dust	Air / windborne pathway causing impacts to health and amenity	Visitors to the Nyamal Native Title Determination area	Refer to Section 3.1	C = Slight L = Unlikely Low Risk	Yes	No regulatory controls have been added to the works approval as dust emissions are unlikely to impact receptors during the commissioning and operation of the premises.	N/A
	Noise				C = Slight L = Unlikely Low Risk	Yes	No regulatory controls have been added to the works approval as installation activities and vehicle movements onsite are not expected to generate unreasonable noise emissions and are subject to the <i>Environmental Protection (Noise) Regulations 1997</i> .	N/A

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IR-T13 Decision report template (short) v3.0 (May 2021)

Risk events					Risk rating ¹ C = consequence L = likelihood	Applicant controls sufficient?	Conditions ² of works approval	Justification for additional regulatory controls
Sources / activities	Potential emission	Potential pathways and impact	Receptors	Applicant controls				
	Odour	Air / windborne pathway causing impacts to health and amenity	Visitors to the Nyamal Native Title Determination area	Refer to Section 3.1	C = Slight L = Unlikely Low Risk	Yes	No regulatory controls have been added to the works approval as odour emissions are unlikely to impact receptors during the commissioning and operation of the premises.	N/A
	Spills/ unintended releases of hydrocarbons, chemicals or partially treated wastewater	Overland runoff or pooling potentially causing ecosystem disturbance or impacting surface water quality	Pilbara groundwater area		C = Minor L = Likely Medium Risk	Yes	<u>Condition 1, Table 1, 1. b)</u> Condition 5, Table 2 Condition 13, Table 5 Conditions relating to chemical storage, bunding and spill clean-up have been added to the works approval as per the applicant's proposed controls.	The Delegated Officer considers requirements for a low permeability hardstand with bunding will reduce the likelihood of this risk event by containing a spill or leak.
Discharge to the irrigation spray-field	Treated wastewater		Minor non-perennial watercourse		C = Moderate L = Possible Medium Risk	Yes	Condition 1, Table 1, 1. d), 2. a) – h), Condition 5, Table 2, 1. a) – d) Condition 6, Table 3 Condition 7, Table 4 Condition 13, Table 5, 1. a) – d) Condition 14, Table 6 Condition 15, Table 7 Condition 16, Table 8	No additional regulatory controls. See Section 3.3 for assessment.

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

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

3.3 Assessment of wastewater and RO reject discharge to land

3.3.1 Irrigation spray-field sizing

The applicant intends to discharge treated wastewater combined with RO reject to the designated irrigation spray-field. This spray-field is proposed to be constructed in 2-stages with stage 1 to include the installation of 2.6ha of sprinkler units and stage 2 to install an additional 1.9ha of sprinkler units (4.5ha total). This staged approach is based on the expected camp accommodation occupancy during the construction project. Field permeability testing conducted by the applicant on the receiving soil has indicated a permeability rate of 1.5m/day (\approx 4mm/day). To minimise the likelihood of pooling across the irrigation spray-field, the Delegated Officer has determined a maximum of 143m³/day (52m³ of treated wastewater combined with 91m³ of RO reject water) is permitted to be discharged during Stage 1 and 180m³/day permitted during Stage 2 (89m³ of treated wastewater combined with 91m³ of RO reject water).

During and following heavy rain, there is the potential for this effluent to pool on the ground surface. Pooling of effluent may lead to dispersion off-site via overland flow or infiltration and migration in groundwater. The Delegated Officer considers this pooling would cause low level off-site impacts and minimal impacts at the wider scale due to the dilution effect from rainfall, the presence of a deep groundwater table and the conditions relating to irrigation operations added to the works approval as per the applicant's proposed controls.

3.3.2 Effluent quality

The applicant proposes to discharge a maximum of 180m³/day of blended effluent to the irrigation spray-field. Based on preliminary sampling of the groundwater to be extracted for RO treatment, the applicant has calculated and expects the blended effluent to meet concentrations for the following parameters prior to discharge to the irrigation spray-field:

Table 5: Proposed effluent quality to be discharged to the irrigation spray-field

Parameter	Expected concentration
5-day biochemical oxygen demand (BOD ₅)	<20mg/L
Total suspended solids (TSS)	<30mg/L
Total nitrogen (TN)	<20mg/L**
Total phosphorous (TP)	<8mg/L**
Total dissolved solids (TDS)	<1500mg/L
<i>E. coli</i>	<1000cfu/100mL
Thermotolerant coliforms	<1000cfu/100mL
Residual free chlorine	0.2 – 2.0mg/L*
Sodium ions (Na ⁺)	350mg/L
Calcium ions (Ca ²⁺)	75mg/L
Magnesium ions (Mg ²⁺)	80mg/L
Electrical conductivity	2500 μ s/cm

*Residual free chlorine concentrations may be measured in treated wastewater prior to mixing with RO reject.

**Analysed over an annual period to assess nutrient loading potential.

3.3.3 Nutrient loading assessment

In accordance with field data conducted by the applicant, it has been determined that the soil in the irrigation spray-field and expected end use of this area will allow for:

- Appropriate nutrient uptake in accordance with risk category D described in Table 1 - Eutrophication risk based on soil type and location, Water Quality Protection Note 22 – Irrigation with nutrient-rich wastewater;
- A low-risk exposure category level in line with Table 7 – Commissioning validation and verification monitoring requirements and Table 8 – Minimum ongoing monitoring requirements, Guidelines for the Non-potable Uses of Recycled Water in Western Australia;
- A medium water salinity rating (< 1500 mg/L TDS) that can be tolerated by vegetation endemic to this area; and
- A stable soil structure after conducting a soil sodicity assessment using the blended effluents expected sodium adsorption ratio against the electrical conductivity in accordance with the Australian and New Zealand Guidelines for Fresh and Marine Water Quality, Volume 3, Primary Industries – Rationale and Background Information.

Considering the temporary nature of the proposed premises (12-18 months) and the applicants proposed controls in ensuring the nutrient loading on the receiving environment is managed appropriately in accordance with the above, The Delegated Officer has determined the overall rating for the risk of blended effluent discharge and soil sodicity is **Medium**.

4. Consultation

Table 6 provides a summary of the consultation undertaken by the Department.

Table 6: Consultation

Consultation method	Comments received	Department response
Application advertised on the Department's website on 11/11/2021 and in the West newspaper on 15/11/2021.	None received.	N/A
Local Government Authority (Shire of East Pilbara advised of proposal on 11/11/2021.	None received.	N/A
Nyamal Aboriginal Corporation RNTBC advised of proposal on 11/11/2021.	None received.	N/A

<p>Department of Health (DoH) WA advised of proposal on 11/11/2021.</p>	<p>A response was provided by the DoH on 08/12/2021 with no objections to the proposal with the following comments:</p> <ul style="list-style-type: none"> • The disposal area to be sized in accordance with the requirements of AS/NZS 1547:2012. • Permeability tests should be undertaken during the wettest time of the year and at a minimum depth of 500mm • The disposal of high concentrated salts with thin the brine blending may require increased maintenance for the disposal area plumbing and sprinklers. 	<p>The Department notes that the irrigation spray field has been suitably sized to ensure the risk of wastewater pooling and nutrient loading potential is acceptable. The Department considers the proposed works approval conditions will ensure the applicant maintains the irrigation spray-field to an appropriate standard.</p> <p>The Department also notes that the applicant has received an approval to construct or an install an apparatus for the treatment of sewage from the DoH on 01/09/2021 which details additional conditions to which the applicant must adhere to.</p>
<p>Environmental Protection Authority Services advised of proposal on 30/11/2021.</p>	<p>A response was provided 21/12/2021 confirming that the application was consistent with MS 993.</p>	<p>Noted.</p>
<p>Applicant was provided with draft documents on 11 January 2022.</p>	<p>A response was provided by the Applicant 20 January 2022 waiving comment.</p>	<p>Issue of instrument 28/01/2022</p>

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. ANZECC & ARMCANZ, October 2000. *Australian and New Zealand Guidelines for Fresh and Marine Water Quality*, Volume 3, Primary Industries – Rationale and Background Information. Perth, Western Australia. Accessed at: www.waterquality.gov.au
2. Department of Water (DOW), July 2008. *Water Quality Protection Note 22 (WQPN22): Irrigation with nutrient rich wastewater*. Perth, Western Australia. Accessed at: www.dwer.wa.gov.au
3. Department of Health (DOH), 2011. *Guidelines for the Non-potable Uses of Recycled Water in Western Australia*. Perth, Western Australia. Accessed at: www.health.wa.gov.au
4. Department of Environmental Regulation (DER), July 2015. *Guidance Statement: Regulatory principles*. Perth, Western Australia. Accessed at: www.dwer.wa.gov.au
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6. DER, February 2017. *Guidance Statement: Risk Assessments*. Perth, Western Australia. Accessed at: www.dwer.wa.gov.au
7. Department of Water and Environmental Regulation (DWER), June 2019. *Guideline: Decision Making*. Perth, Western Australia. Accessed at www.dwer.wa.gov.au
8. DWER, June 2019. *Guideline: Industry Regulation Guide to Licensing*. Perth, Western Australia. Accessed at www.dwer.wa.gov.au
9. Department of Environment and Science (QLD), June 2020. *Disposal of effluent using irrigation*. Perth, Western Australia. Accessed at: www.publications.qld.gov.au
10. DWER, December 2020, *Guideline: Environmental Siting*. Perth, Western Australia. Accessed at: www.dwer.wa.gov.au
11. DWER, December 2020, *Guideline: Risk Assessments*, Perth, Western Australia. Accessed at: www.dwer.wa.gov.au

Appendix 1: Application validation summary

SECTION 1: APPLICATION SUMMARY (as updated from validation checklist)				
Application type				
Works approval	<input checked="" type="checkbox"/>			
Licence	<input type="checkbox"/>	Relevant works approval number:		None <input type="checkbox"/>
		Has the works approval been complied with?	Yes <input type="checkbox"/> No <input type="checkbox"/>	
		Has time limited operations under the works approval demonstrated acceptable operations?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	
		Environmental Compliance Report / Critical Containment Infrastructure Report submitted?	Yes <input type="checkbox"/> No <input type="checkbox"/>	
		Date report received:		
Renewal	<input type="checkbox"/>	Current licence number:		
Amendment to works approval	<input type="checkbox"/>	Current works approval number:		
Amendment to licence	<input type="checkbox"/>	Current licence number:		
		Relevant works approval number:	N/A	<input type="checkbox"/>
Registration	<input type="checkbox"/>	Current works approval number:	None	<input type="checkbox"/>
Date application received	22 July 2021			
Applicant and premises details				
Applicant name/s (full legal name/s)	IB Operations Pty Ltd			
Premises name	North Star Magnetite Project			
Premises location	Mining Tenement L45/486 Marble Bar Road MARBLE BAR WA 6760			
Local Government Authority	Shire of East Pilbara			
Application documents				
HPCM file reference number:	DER2021/000416			
Key application documents (additional to application form):	Attachment 3B: Supporting Document – Iron Bridge Operation (IBO) – North Star Stage 2: Marble Bar Camp Figure 3: Prescribed Premises Location Figure 4: Siting and Location			
Scope of application/assessment				

SECTION 1: APPLICATION SUMMARY (as updated from validation checklist)

Summary of proposed activities or changes to existing operations.	<p>Works approval:</p> <p>Construction, installation commissioning and time-limited operations of a wastewater treatment plant mobile unit, temporary irrigation spray field and associated infrastructure at the Marble Bar construction camp.</p> <p>Expected volumes:</p> <ul style="list-style-type: none"> Up to 89 kL/day of treated effluent waste. Up to 91kL/day of RO reject waste (added post-WWTP effluent processing). <p>Maximum combined total of 180kL/day will be discharged to proposed spray field.</p>
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Category number/s (activities that cause the premises to become prescribed premises)

Table 1: Prescribed premises categories

Prescribed premises category and description	Proposed production or design capacity
Category 54: Sewage facility: premises — a) on which sewage is treated (excluding septic tanks); or b) from which treated sewage is discharged onto land or into waters.	Cat 54 (a) – 89kL per day Cat 54 (b) – 180kL per day

Legislative context and other approvals

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 <input type="checkbox"/> No <input checked="" type="checkbox"/>	Referral decision No: Managed under Part V <input type="checkbox"/> Assessed under Part IV <input type="checkbox"/>
Does the applicant hold any existing Part IV Ministerial Statements relevant to the application?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Ministerial statement No: MS 993 EPA Report No: 1514
Has the proposal been referred and/or assessed under the EPBC Act?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Reference No: EPBC 2012/6689
Has the applicant demonstrated occupancy (proof of occupier status)?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Certificate of title <input type="checkbox"/> General lease <input type="checkbox"/> Expiry: Mining tenement 45/486 <input checked="" type="checkbox"/> Expiry: 22/07/2040 Other evidence <input type="checkbox"/> Expiry:
Has the applicant obtained all relevant planning approvals?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	Approval: Expiry date:
Has the applicant applied for, or have an existing EP Act clearing permit in relation to this proposal?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	CPS No: N/A clearing approved under MS 993

SECTION 1: APPLICATION SUMMARY (as updated from validation checklist)		
Has the applicant applied for, or have an existing CAWS Act clearing licence in relation to this proposal?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Application reference No: N/A Licence/permit No: N/A Exemption applies – clearing approved under MS 993
Has the applicant applied for, or have an existing RIWI Act licence or permit in relation to this proposal?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Application reference No: N/A Licence/permit No: GWL 175700
Does the proposal involve a discharge of waste into a designated area (as defined in section 57 of the EP Act)?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Name: N/A Type: N/A Has Regulatory Services (Water) been consulted? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Regional office: North-West
Is the Premises situated in a Public Drinking Water Source Area (PDWSA)?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Name: N/A Priority: P1 / P2 / P3 / N/A Are the proposed activities/ landuse compatible with the PDWSA (refer to WQPN 25)? Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
Is the Premises subject to any other Acts or subsidiary regulations (e.g. <i>Dangerous Goods Safety Act 2004, Environmental Protection (Controlled Waste) Regulations 2004, State Agreement Act xxxx</i>)	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<i>Health (Miscellaneous Provisions) Act 1911.</i> <i>Health (Treatment of Sewage and Disposal of Effluent and Liquid Waste) Regulations 1974</i> <i>Mining Act 1978 – Mining Proposal (Reg ID 87630 & 97061).</i>
Is the Premises within an Environmental Protection Policy (EPP) Area?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Is the Premises subject to any EPP requirements?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Is the Premises a known or suspected contaminated site under the <i>Contaminated Sites Act 2003</i> ?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Classification: N/A Date of classification: N/A