



Application for Works Approval Amendment

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

Works Approval Number	W6322/2019/1
Works Approval Holder	IB Operations Pty Ltd
ACN	165 513 557
File Number	APP-0027178
Premises	<p>Iron Bridge Magnetite Project</p> <p>Legal description –</p> <p>Mining Tenements M45/1226, M45/1244, L45/293, L45/294, L45/359, L45/360, L45/361, L45/364 and L45/367</p> <p>MARBLE BAR WA 6760</p> <p>As defined by the Premises maps attached to the Revised Works Approval</p>
Date of Report	01 April 2025 (FINAL)
Decision	Revised works approval granted

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1. Decision summary

The Delegated Officer has determined to make amendments to works approval W6322/2019/1. The amendments are administrative in nature therefore they do not alter the risk profile of the Premises, providing that activities, emissions and receptors as stated in existing approvals remain unchanged.

This amendment report documents the amendments made pursuant to section 59 and 59(B) of the *Environmental Protection Act 1986* (EP Act).

The decision report and amendment reports for the existing works approval will remain on the department's website for future reference and will act as a record of the department's decision making.

2. Scope of assessment

2.1 Regulatory framework

In amending the works approval, the department 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

Works approval W6322/2019/1 is held by IB Operations Pty Ltd (works approval holder) for the Iron Bridge Magnetite Project (the Premises), located at mining tenements M45/1226, M45/1244, L45/293, L45/294, L45/359, L45/360, L45/361, L45/364 and L45/367.

The Premises relates to the category and the assessed design capacity under Schedule 1 of the *Environmental Protection Regulations 1987* (EP Regulations) which are defined in existing works approval W6322/2019/1.

On 17 January 2025, the works approval holder submitted an application to the department to amend the works approval under section 59B of the *Environmental Protection Act 1986* (EP Act). The amendment is limited only to extending the time-limited operations (TLO) from 360 calendar days to 720 calendar days.

On 11 February 2025, the department requested (via email) a summary of the current compliance status for each item of infrastructure specified in the works approval W6322/2019/1. In addition, the department requested further clarification on the need for an additional 360 calendar days (12 months) for time-limited operation.

The works approval holder provided the requested information on 20 February 2025. The information and the overall compliance status for the items of infrastructure on the works approval are provided in Appendix 1.

3. Consultation

The works approval holder was provided with the draft amendment report on 24 March 2025. The works approval holder provided the requested information for the Scour Pits, Return Water Pond and Tailings Storage Facility – Stage 1A, which has been included in Appendix 1. The works approval holder waived the remaining comment period on 28 March 2025.

4. Conclusion

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

4.1 Summary of amendments

Table 1 below provides a summary of the proposed amendments and will act as a record of implemented changes. All proposed changes have been incorporated into the revised works approval as part of the amendment process.

Table 1: Summary of works approval amendments

Condition no.	Proposed amendments
Cover page	Replaced the DWER file number to the Environment Online file reference number.
Works approval history	Added the works approval history table and included when the works approval was granted and the previous two amendments that have been granted.
Condition 14(a)	Amended the time-limited operation period from 360 calendar days to 720 calendar days.

Appendix 1: Summary of compliance status on items of infrastructure on the works approval

Item of infrastructure	Construction	Commissioning	Time-limited operation	Comments
Ore Processing Facility (OPF) comprises the following infrastructure / equipment:				
Run of Mine (ROM) Primary Crushing Hub – Primary Crusher Circuit A	Environmental Compliance Report (ECR) was submitted on 14 October 2022.	Commissioning Report yet to be submitted to the department.	TLO Report to be submitted after the completion of the TLO period to the department.	
ROM Primary Crushing Hub – Primary Crusher Circuit B	ECR was submitted on 21 November 2024.	Commissioning Report yet to be submitted to the department.	TLO Report to be submitted after the completion of the TLO period to the department.	
Mobile crushing facility	ECR was submitted on 23 July 2021.	Commissioning Report was submitted on 23 July 2021.	TLO Report to be submitted after the completion of the TLO period to the department.	Infrastructure has been transferred to Licence L8845/2014/1.
Secondary Crusher Circuit A	ECR was submitted on 14 October 2022.	Commissioning Report yet to be submitted to the department.	TLO Report to be submitted after the completion of the TLO period to the department.	
Secondary Crusher Circuit B	ECR was submitted on 21 November 2024.	Commissioning Report yet to be submitted to the department.	TLO Report to be submitted after the completion of the TLO period to the department.	
Coarse Ore Stockpile (COS)	ECR was submitted on 14 October 2022.	Commissioning Report yet to be submitted to the department.	TLO Report to be submitted after the completion of the TLO period to the department.	
Tertiary high pressure grinding rolls (HPGR) crushing / screening	ECR was submitted on 21 November 2024.	Commissioning Report yet to be submitted to the department.	TLO Report to be submitted after the completion of the TLO period to the department.	
HPGR primary grinding / air	ECR was submitted on 21	Commissioning Report yet to be	TLO Report to be submitted after the completion of the	

Item of infrastructure	Construction	Commissioning	Time-limited operation	Comments
classification	November 2024.	submitted to the department.	TLO period to the department.	
Fine grinding with magnetic separation and deslime – Line A	ECR was submitted on 12 April 2023.	Commissioning Report yet to be submitted to the department.	TLO Report to be submitted after the completion of the TLO period to the department.	
Fine grinding with magnetic separation and deslime – Line B	ECR was submitted on 21 November 2024.	Commissioning Report yet to be submitted to the department.	TLO Report to be submitted after the completion of the TLO period to the department.	
Cleaner wet magnetic separation concentrate upgrade circuit – Line A	ECR was submitted on 12 April 2023.	Commissioning Report yet to be submitted to the department.	TLO Report to be submitted after the completion of the TLO period to the department.	
Cleaner wet magnetic separation concentrate upgrade circuit – Line B	ECR was submitted on 21 November 2024.	Commissioning Report yet to be submitted to the department.	TLO Report to be submitted after the completion of the TLO period to the department.	
Concentrate and tailings thickening – Line A	ECR was submitted on 12 April 2023.	Commissioning Report yet to be submitted to the department.	TLO Report to be submitted after the completion of the TLO period to the department.	
Concentrate and tailings thickening – Line B	ECR was submitted on 21 November 2024.	Commissioning Report yet to be submitted to the department.	TLO Report to be submitted after the completion of the TLO period to the department.	
Process water storage: 170,847 m ³ High-density polyethylene (HDPE) lined pond with high level detection alarms	ECR was submitted on 18 November 2022 (partially constructed). Subsequent ECR was submitted on 21 November 2024 (construction completed).	Commissioning Report yet to be submitted to the department.	TLO Report to be submitted after the completion of the TLO period to the department.	
Raw water storage: 63,605 m ³ HDPE lined pond with high level detection alarms	ECR was submitted on 28 September 2022.	Commissioning Report yet to be submitted to the department.	TLO Report to be submitted after the completion of the TLO period to the department.	
Slurry Pipe to the TSF: above ground steel pipeline nominal	ECR was submitted on 12 April 2023 (partially constructed).	Commissioning Report yet to be submitted to the department.	TLO Report to be submitted after the completion of the	

Item of infrastructure	Construction	Commissioning	Time-limited operation	Comments
800 millimetres (mm) diameter, with flow measurement at the start (Tailings Transfer Tank at OPF) and at the end of the pipeline (at the TSF), and continuous monitoring of pipeline pressure and pump performance	Subsequent ECR was submitted on 21 November 2024 (construction completed).		TLO period to the department.	
Conveyors (19 enclosed, 6 unenclosed) and enclosed transfer stations	ECR was submitted on 14 October 2022 (partially constructed). Subsequent ECR was submitted 21 November 2024 (construction completed).	Commissioning Report yet to be submitted to the department.	TLO Report to be submitted after the completion of the TLO period to the department.	
Mobile conveyor and stacker located on a raised pad	ECR was submitted 11 July 2023 (partially constructed). Subsequent ECR was submitted 21 November 2024 (construction completed).	Commissioning Report yet to be submitted to the department.	TLO Report to be submitted after the completion of the TLO period to the department.	
Concentrate Handling Facility (CHF) located on a raised pad	ECR was submitted 21 November 2024.	Commissioning Report yet to be submitted to the department.	TLO Report to be submitted after the completion of the TLO period to the department.	
Containers for chemicals used in the process, stored in a bunded impermeable area	ECR was submitted on 12 April 2023.	Commissioning Report yet to be submitted to the department.	TLO Report to be submitted after the completion of the TLO period to the department.	
All tanks to be installed on concrete ring beams, with concrete bunding and sump system around spillage points (including pump suctions and tank overflows)	ECR was submitted on 12 April 2023.	Commissioning Report yet to be submitted to the department.	TLO Report to be submitted after the completion of the TLO period to the department.	
Testing of incomplete infrastructure to validate and	ECR was submitted on 12 April 2023 (partially completed).	Commissioning Report yet to be submitted to the department.	TLO Report to be submitted after the completion of the	

Item of infrastructure	Construction	Commissioning	Time-limited operation	Comments
check design parameters prior to completion of construction	Subsequent ECR was submitted on 21 November 2024 (partially completed). Final ECR was submitted on 18 February 2025 (construction completed).		TLO period to the department.	
Dust minimisation equipment	ECR was submitted on 14 October 2022 (partially constructed). Subsequent ECR was submitted 21 November 2024 (construction completed).	Commissioning Report yet to be submitted to the department.	TLO Report to be submitted after the completion of the TLO period to the department.	
Stormwater infrastructure	ECR was submitted on 14 October 2022 (partially constructed). Subsequent ECR was submitted 21 November 2024 (construction completed).	Commissioning Report yet to be submitted to the department.	TLO Report to be submitted after the completion of the TLO period to the department.	
Contaminated Water Storage Ponds (silt trap arrangement): up to 5 ponds up to 4 kilolitres (kL) in size, un-lined ponds with freeboard of 1 in 2 Annual Exceedance Probability (AEP) of 1-hour duration, with any overflow contained with the sump (apron) catchment	ECR was submitted on 14 October 2022 (partially constructed). Subsequent ECR was submitted 21 November 2024 (construction completed).	Commissioning Report yet to be submitted to the department.	TLO Report to be submitted after the completion of the TLO period to the department.	
2 Oily Water Separator (OWS) designed to treat water to a Total Recoverable Hydrocarbon (TRH) concentration of 15 milligrams per litre (mg/L)	ECR was submitted on 14 October 2022 (partially constructed). Subsequent ECR was submitted 21 November 2024 (construction completed).	Commissioning Report yet to be submitted to the department.	TLO Report to be submitted after the completion of the TLO period to the department.	

Item of infrastructure	Construction	Commissioning	Time-limited operation	Comments
Scour Pits	ECR was submitted on 21 November 2024.	Not required.	TLO commenced on 21 November 2024. Given the 720 calendar day TLO period, the TLO period for Scour Pits 1 and 4 will end on 10 November 2026. TLO Report still to be submitted to the department.	The works approval holder requested that during a future licence amendment the construction requirements for the remaining three scour pits be transferred onto Licence L8845/2014/1. The department has no objections to this.
Return Water Pond (RWP)	Critical Containment Infrastructure Report (CCIR) was submitted on 20 November 2024.	Not required.	TLO commenced on 23 November 2023. Given the 720 calendar day TLO period, the TLO period for the RWP will end on 12 November 2025. TLO Report still to be submitted to the department.	
Tailings Storage Facility (TSF) – Stage 1A	CCIR was submitted on 20 November 2024.	Not required.	TLO commenced on 23 November 2023. Given the 720 calendar day TLO period, the TLO period for the TSF – Stage 1A will end on 12 November 2025. TLO Report still to be submitted to the department.	
TSF – Stage 1B	Still to be constructed.	-	-	To be constructed under the works approval W6322/2019/1.
TSF – Stage 2	Still to be constructed.	-	-	To be constructed under the works approval W6322/2019/1.