



Works Approval

Works approval number	W6973/2024/1	
Works approval holder	Element 25 Limited	
ACN	119 711 929	
Registered business address	Level 1, Building B, Garden Office Park OSBORNE PARK WA 6017	
DWER file number	DER2024/000561	
Duration	05/03/2025 to	04/03/2028
Date of issue	05/03/2025	
Premises details	Butcherbird Manganese Project Mining tenement M52/1074 MEEKATHARRA WA 6642	

Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations 1987</i>)	Assessed production / design capacity
Category 5: Processing or beneficiation of metallic or non-metallic ore	7,300,000 tonnes per year

This works approval is granted to the works approval holder, subject to the attached conditions, on 05 March 2025, by:

**A/MANAGER, RESOURCE INDUSTRIES
INDUSTRY REGULATION (STATE-WIDE DELIVERY)**

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

Works approval history

Date	Reference number	Summary of changes
05/03/2025	W6973/2024/1	New works approval.

Interpretation

In this works approval:

- (a) the words 'including', 'includes' and 'include' in conditions mean "including but not limited to", and similar, as appropriate;
- (b) where any word or phrase is given a defined meaning, any other part of speech or other grammatical form of that word or phrase has a corresponding meaning;
- (c) where tables are used in a condition, each row in a table constitutes a separate condition;
- (d) any reference to an Australian or other standard, guideline, or code of practice in this works approval:
 - (i) if dated, refers to that particular version; and
 - (ii) if not dated, refers to the latest version and therefore may be subject to change over time;
- (e) unless specified otherwise, any reference to a section of an Act refers to that section of the EP Act; and
- (f) unless specified otherwise, all definitions are in accordance with the EP Act.

NOTE: This works approval requires specific conditions to be met but does not provide any implied authorisation for other emissions, discharges, or activities not specified in this works approval.

Works approval conditions

The works approval holder must ensure that the following conditions are complied with:

Construction phase

Infrastructure and equipment

1. The works approval holder must:
 - (a) construct and/or install the infrastructure and/or equipment;
 - (b) in accordance with the corresponding design and construction / installation requirements; and
 - (c) at the corresponding infrastructure location.
as set out in Table 1.

Table 1: Design and construction / installation requirements

	Infrastructure	Design and construction / installation requirements	Infrastructure location
1.	Crushing and Screening circuit <ul style="list-style-type: none"> - Feed bin - Mineral sizer 1 and 2 - Apron feeder - Double deck screen - Transfer conveyor - Primary screening facility. 	<ul style="list-style-type: none"> • Dust suppression sprays fitted to crushing circuit and dry screens to minimise generation of dust. 	As shown in Schedule 1: Figure 1 - Plant Area
2.	Washing circuit <ul style="list-style-type: none"> - Conveyors - Live stockpile - Reclaim chutes and tunnel below stockpile - Log washer. 	<ul style="list-style-type: none"> • All wet processing plant infrastructure located on concrete hardstand/s which are designed to capture spilt materials and graded so all spilt material or stormwater is directed to sumps which are fitted with appropriately sized pumps so any captured materials are sent back to the processing circuit. • Stormwater drains installed adjacent to the raised hardstand areas to direct stormwater around the processing plant. 	
3.	Dense Medium Separator (DMS) circuit <ul style="list-style-type: none"> - Heavy Media Drum - Conveyors - Correct Medium pump - Drain and Rinse Screens - Medium tank - Discard stockpile 		
4.	Tailings Thickener		

Compliance reporting

2. The works approval holder must within 30 calendar days of an item of infrastructure or equipment required by condition 1 being constructed and/or installed:
 - (a) undertake an audit of their compliance with the requirements of condition 1; and
 - (b) prepare and submit to the CEO an Environmental Compliance Report on that compliance.

3. The Environmental Compliance Report required by condition 2 must include as a minimum the following:
 - (a) certification by a suitably qualified engineer that the items of infrastructure or component(s) thereof, as specified in condition 1, have been constructed in accordance with the relevant requirements specified in condition 1;
 - (b) as constructed plans and a detailed site plan for each item of infrastructure or component of infrastructure specified in condition 1;
 - (c) photographic evidence of the installation of the infrastructure; and
 - (d) be signed by a person authorised to represent the works approval holder and contains the printed name and position of that person.

Environmental commissioning phase

Environmental commissioning requirements

4. The works approval holder may only commence environmental commissioning of an item of infrastructure identified in condition 5 once the Environmental Compliance Report has been submitted for that item of infrastructure in accordance with condition 2 of this works approval.

5. Any environmental commissioning activities undertaken for an item of infrastructure specified in Table 2 may only be carried out:
 - (a) in accordance with the corresponding commissioning requirements; and
 - (b) for the corresponding authorised commissioning duration.

Table 2: Environmental commissioning requirements

Infrastructure	Commissioning requirements	Authorised commissioning duration
<ul style="list-style-type: none"> • Crushing and Screening circuit • Washing circuit • DMS circuit • Tailings Thickener and pipelines 	Subject to completing the requirements of condition 2	12 weeks

Environmental commissioning reporting

6. The works approval holder must submit to the CEO an Environmental Commissioning Report within 90 calendar days of the completion date of environmental commissioning for each item of infrastructure specified in Table 2.
7. The works approval holder must ensure the Environmental Commissioning Report required by condition 6 of this works approval includes the following:
 - (a) a summary of the environmental commissioning activities undertaken, including ore processed, product produced, tailings produced and timeframes;
 - (b) a summary of the environmental performance of each item of infrastructure as constructed or installed;
 - (c) a review of the works approval holder’s performance and compliance against the conditions of this works approval; and
 - (d) where they have not been met, measures proposed to meet the manufacturer’s design specifications and the conditions of this works approval, together with timeframes for implementing the proposed measures.

Time limited operations phase

Commencement and duration

8. The works approval holder may only commence time limited operations for an item of infrastructure identified in condition 1 where the Environmental Commissioning Report for that item of infrastructure, as required by condition 6, has been submitted by the works approval holder.
9. The works approval holder may conduct time limited operations for an item of infrastructure specified in condition 10:
 - (a) for a period not exceeding 180 calendar days from the day the works approval holder meets the requirements of condition 8 for that item of infrastructure; or
 - (b) until such time as a licence for that item of infrastructure is granted in accordance with Part V of the *Environmental Protection Act 1986*, if one is granted before the end of the period specified in condition 9(a).

Time limited operation requirements

10. During time limited operations, the works approval holder must ensure that the premises infrastructure and equipment listed in Table 3 and located at the corresponding infrastructure location is maintained and operated in accordance with the corresponding operational requirement set out in Table 3.

Table 3: Infrastructure and equipment requirements during time limited operations

Site infrastructure and equipment	Operational requirement	Infrastructure location
Crushing and Screening circuit	<ul style="list-style-type: none"> • Operate and maintain dust controls to mitigate dust emissions. 	As shown in Schedule 1: Figure 1 - Plant Area
Washing circuit	<ul style="list-style-type: none"> • Maintain and operate as per manufacturer’s specifications. 	
DMS circuit	<ul style="list-style-type: none"> • Capacity of sumps is maintained. • Operate sump pumps to recover loss material 	

Site infrastructure and equipment	Operational requirement	Infrastructure location
	back to the processing circuit. <ul style="list-style-type: none"> Maintain stormwater drains to direct stormwater around the Processing Plant. Record the volume of ore processed. 	
Tailings Thickener	<ul style="list-style-type: none"> Maintain and operate as per manufacturer's specifications. Underflow pumped to Tailings Storage Facility via existing pipeline infrastructure. Overflow water directed to Decant Pond. 	

Inspections

11. The works approval holder must conduct visual inspections of the infrastructure during commissioning and time limited operations at the frequency specified in Table 4.

Table 4: Inspections of infrastructure

Infrastructure	Type of inspection	Frequency
Crushing and Screening circuit	<ul style="list-style-type: none"> Dust controls are functioning in accordance with manufactures specifications. 	Daily
Washing circuit	<ul style="list-style-type: none"> Visual leak and spillage detection. 	
DMS circuit Tailings thickener	<ul style="list-style-type: none"> Integrity/damage check of stormwater diversions/drains surrounding hardstand area. Sump capacity check. 	

Compliance reporting

12. The works approval holder must submit to the CEO a report on the time limited operations within 30 calendar days of the completion date of time limited operations or 90 calendar days before the expiration date of the works approval, whichever is the sooner.
13. The works approval holder must ensure the report required by condition 12 includes the following:
- (a) a summary of the time limited operations, including timeframes and amount of ore processed;
 - (b) a summary of the environmental performance of all infrastructure as constructed or installed (as applicable), which includes records detailing the:
 - (i) operations of the infrastructure; and
 - (ii) testing of the infrastructure.
 - (c) a review of performance and compliance against the conditions of the works approval; and

- (d) where the manufacturer's design specifications and the conditions of this works approval have not been met, what measures will the works approval holder take to meet them, and what timeframes will be required to implement those measures

Records and reporting (general)

- 14.** The works approval holder must record the following information in relation to complaints received by the works approval holder (whether received directly from a complainant or forwarded to them by the Department or another party) about any alleged emissions from the premises:
 - (a) the name and contact details of the complainant, (if provided);
 - (b) the time and date of the complaint;
 - (c) the complete details of the complaint and any other concerns or other issues raised; and
 - (d) the complete details and dates of any action taken by the works approval holder to investigate or respond to any complaint.

- 15.** The works approval holder must maintain accurate and auditable books including the following records, information, reports, and data required by this works approval:
 - (a) the works conducted in accordance with condition 1;
 - (b) inspections performed while complying with condition 11 of this works approval;
 - (c) any maintenance of infrastructure that is performed in the course of complying with conditions of this works approval; and
 - (d) complaints received under condition 14.

- 16.** The books specified under condition 15 must:
 - (a) be legible;
 - (b) if amended, be amended in such a way that the original version(s) and any subsequent amendments remain legible and are capable of retrieval;
 - (c) be retained by the works approval holder for the duration of the works approval; and
 - (d) be available to be produced to an inspector or the CEO as required.

Definitions

In this works approval, the terms in Table 5 have the meanings defined.

Table 5: Definitions

Term	Definition
ACN	Australian Company Number.
books	has the same meaning given to that term under the EP Act.
CEO	means Chief Executive Officer. CEO for the purposes of notification means: Director General Department administering the <i>Environmental Protection Act 1986</i> Locked Bag 10 Joondalup DC WA 6919 info@dwer.wa.gov.au
Department	means the department established under section 35 of the <i>Public Sector Management Act 1994</i> and designated as responsible for the administration of Part V Division 3 of the EP Act.
discharge	has the same meaning given to that term under the EP Act.
emission	has the same meaning given to that term under the EP Act.
environmental commissioning	means the sequence of activities to be undertaken to test equipment integrity and operation, or to determine the environmental performance, of equipment and infrastructure to establish or test a steady state operation and confirm design specifications.
Environmental Commissioning Report	means a report on any commissioning activities that have taken place and a demonstration that they have concluded, with focus on emissions and discharges, waste containment, and other environmental factors.
Environmental Compliance Report	means a report to satisfy the CEO that the conditioned infrastructure and/or equipment has been constructed and/or installed in accordance with the works approval.
EP Act	<i>Environmental Protection Act 1986</i> (WA).
EP Regulations	<i>Environmental Protection Regulations 1987</i> (WA).
premises	the premises to which this works approval, as specified at the front of this works approval and as shown on the premises map (Figure 1) in Schedule 1 to this works approval.
prescribed premises	has the same meaning given to that term under the EP Act.
suitably qualified engineer	means a person who: (a) holds a Bachelor of Engineering degree recognised by the Institute of Engineers; and (b) has a minimum of five years of experience working in the field of engineering;

Term	Definition
	or is otherwise approved in writing by the CEO to act in this capacity.
time limited operations	refers to the operation of the infrastructure and equipment identified under this works approval that is authorised for that purpose, subject to the relevant conditions.
waste	has the same meaning given to that term under the EP Act.
works approval	refers to this document, which evidences the grant of the works approval by the CEO under section 54 of the EP Act, subject to the conditions.
works approval holder	refers to the occupier of the premises being the person to whom this works approval has been granted, as specified at the front of this works approval.

END OF CONDITIONS

Schedule 1: Maps

Premises map

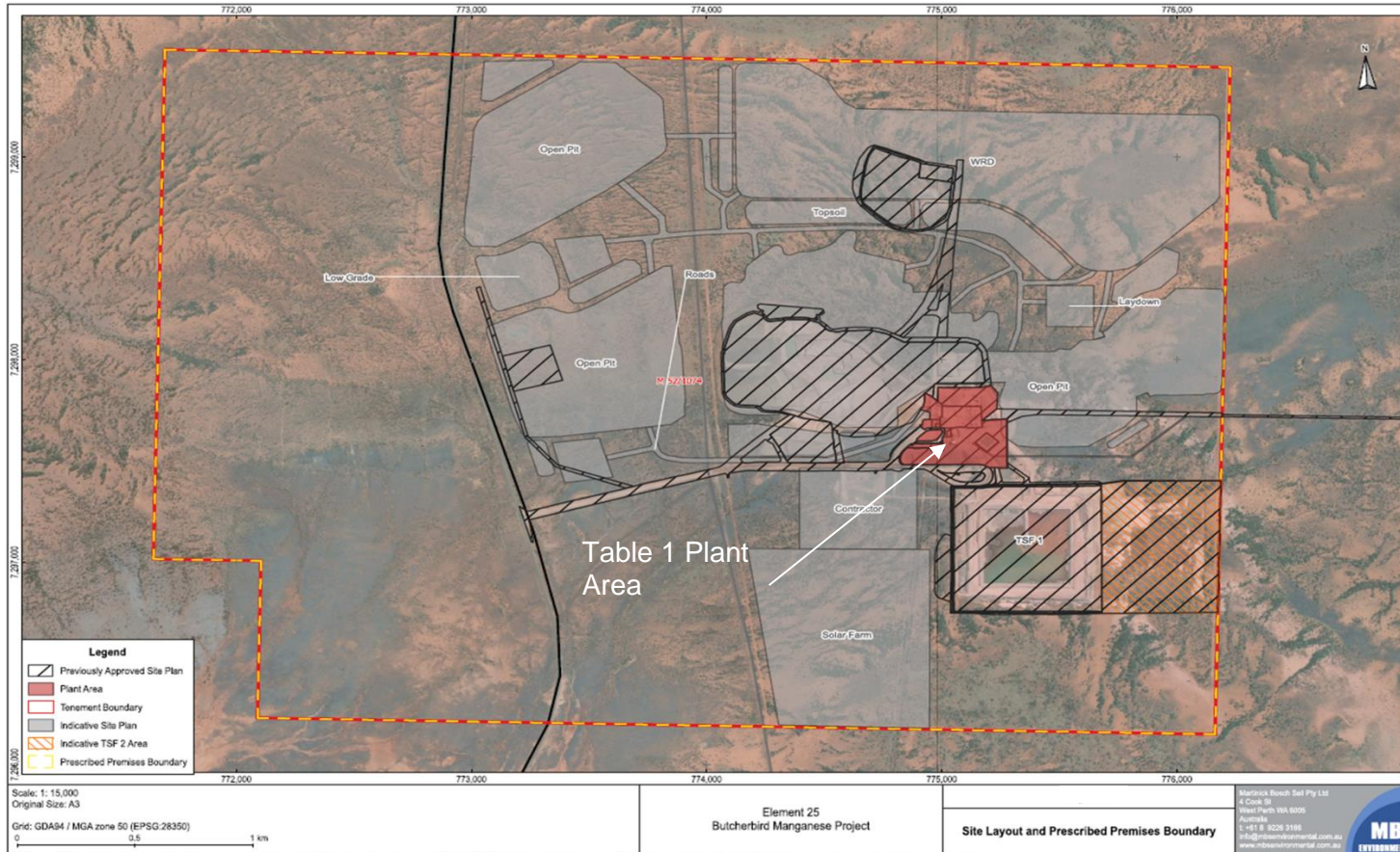


Figure 1: Premises boundary and Site Layout

W6973/2024/1 (date of issue: 05/03/2025)