



Works approval number W6385/2020/1

Works approval holder BHP Billiton Nickel West Pty Ltd
ACN 004 184 598
Registered business address City Square Brookfield Place
125 St Georges Terrace
PERTH WA 6000

DWER file number DER2020/000135

Duration 23/06/2020 to 22/06/2023

Date of issue 23/06/2020

Premises details Mt Keith Satellite Project
Mining Tenements M36/183, M36/184, M36/185,
M36/246, M36/286, M36/288, M36/399, M36/422
As defined by the map in Schedule 1 and
coordinates in Schedule 2

Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations 1987</i>)	Assessed production capacity
Category 12: Screening of material	1 000 000 tonnes per year
Category 57: Used tyre storage	250 tyres per year
Category 89: Putrescible landfill site	300 tonnes per year

This works approval is granted to the works approval holder, subject to the attached conditions, on 23 June 2020, by:

Carmen Standring
A/Manager, Resource Industries
REGULATORY SERVICES

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

Works approval history

Date	Reference number	Summary of changes
23/06/2020	W6385/2020/1	Issue

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 requirements

	Infrastructure	Design and construction/ installation requirements	Infrastructure location
1.	Mobile crushing and screening plant	<ul style="list-style-type: none">Plant fitted with spray nozzles to minimise dust emissions at the head drum, discharge point of the main conveyor and at the feed point.Earthen bunds constructed as required to prevent stormwater ingress into the mobile crushing and screening plant operational areas.Mobile crushing and screening plant to be located:<ul style="list-style-type: none">At least 50 m from drainage linesAt least 500 m from the boundary of the Wanjarri Nature Reserve.	Located at ground level either within the Waste Rock Landform or within the Run of Mine area as denoted as <i>Mobile Crusher Location 1</i> or <i>Mobile Crusher Location 2</i> in Figure 2 in Schedule 1.
2.	Putrescible landfill cells	<ul style="list-style-type: none">Landfill cells to be located at least 100 m from Waste Rock Landform edge and a minimum of 10 m from the natural ground level; 500 m from the boundary of the Wanjarri Nature Reserve.The landfill cell must be able to contain all potentially contaminated stormwater generated from a 10% AEP 24 hour duration rainfall event (83.7mm)Potentially contaminated stormwater to be gravity drained from putrescible waste to a local sump area within the landfill storage cell.Drainage diversion channels to be installed at the perimeter of the cell sufficient to prevent pit flooding during significant storm events.The base of the landfill cell shall be lined with a layer of compacted waste rock	Within the waste rock landform as shown in Figure 2 in Schedule 1.
3.	Used tyre storage	<ul style="list-style-type: none">Earthen pad constructed for used tyre storage	Locations as shown in Figure 2 in Schedule 1.

Compliance reporting

2. The works approval holder must within 60 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 an Engineering Manager or equivalent 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; and
 - (c) be signed by a person authorised to represent the works approval holder and contains the printed name and position of that person.
4. Where an item of infrastructure or component of infrastructure has been certified as not being constructed, or does not comply with the corresponding requirements, or contains material defects, the works approval holder must:
 - (a) correct the non-compliant or defective works, prior to re-certifying in accordance with condition 3; or
 - (b) provide to the CEO a description of, and explanation for, any departures from the requirements specified in Table 1 that do not require rectification and do not constitute a material defect along with the report required by condition 2.

Time limited operations phase

Commencement and duration

5. The works approval holder may only commence time limited operations for an item of infrastructure identified in condition 1 where the Environmental Compliance Report as required by condition 2 has been submitted by the works approval holder for that item of infrastructure.
6. The works approval holder is authorised to undertake time limited operations of items of infrastructure for a total duration of 180 days from the date of submission of the Environmental Compliance Report.

Time limited operations requirements and emission limits

7. During time limited operations, the works approval holder must ensure that the premises infrastructure and equipment listed in Table 1 and located at the corresponding infrastructure location is maintained and operated in accordance with the corresponding operational requirement set out in Table 1.
8. The works approval holder must cover the putrescible waste landfill cell(s) as soon as practicable (but at least weekly).
9. Used tyres shall be stored on their side walls to a maximum height of 4m and in individual stacks at a minimum distance of 6m away from other stacks.

Monitoring during time limited operations

10. Weekly inspections of the landfill to be undertaken to ensure:
 - (a) Windblown waste is returned to the landfill cell;
 - (b) The cover is in place; and
 - (c) Record evidence of pests or vermin at the landfill.
11. The used tyre storage areas shall be inspected weekly to check tyre stack heights and numbers stored.
12. Following a significant rainfall event (a 20% AEP event over 24 hours) the bunding and stormwater management controls for the mobile crushing and screening plant shall be inspected. Any repairs required to ensure compliance with condition 1 shall be actioned.
13. The works approval holder must record the results of all inspections required by conditions 10, 11 and 12.

Compliance reporting

14. 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.
15. The works approval holder must ensure the report required by condition 14 includes the following:
 - (a) a summary of the time limited operations, including timeframes and amount of ore processed;
 - (b) a summary of inspection results obtained during time limited operations under condition 13;
 - (c) a review of operational performance and compliance against the conditions of the works approval; and
 - (d) where 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

16. 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.
17. 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) any maintenance of infrastructure that is performed in the course of complying with condition 1;
 - (c) inspections undertaken in accordance with conditions 10, 11 and 12; and
 - (d) complaints received under condition 16.
- 18.** The books specified under condition 17 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 1 have the meanings defined.

Table 1: Definitions

Term	Definition
AEP	Annual exceedance probability
annual period	a 12 month period commencing from 1 April until 31 March of the immediately following year.
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 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 licence applies, as specified at the front of this licence and as shown on the premises map Figure 1 in Schedule 1 and coordinates as in Schedule 2 to this works approval.
prescribed premises	has the same meaning given to that term under the EP Act.
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.

Term	Definition
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

Premises map

The boundary of the prescribed premises is shown in the map below (Figure 1).

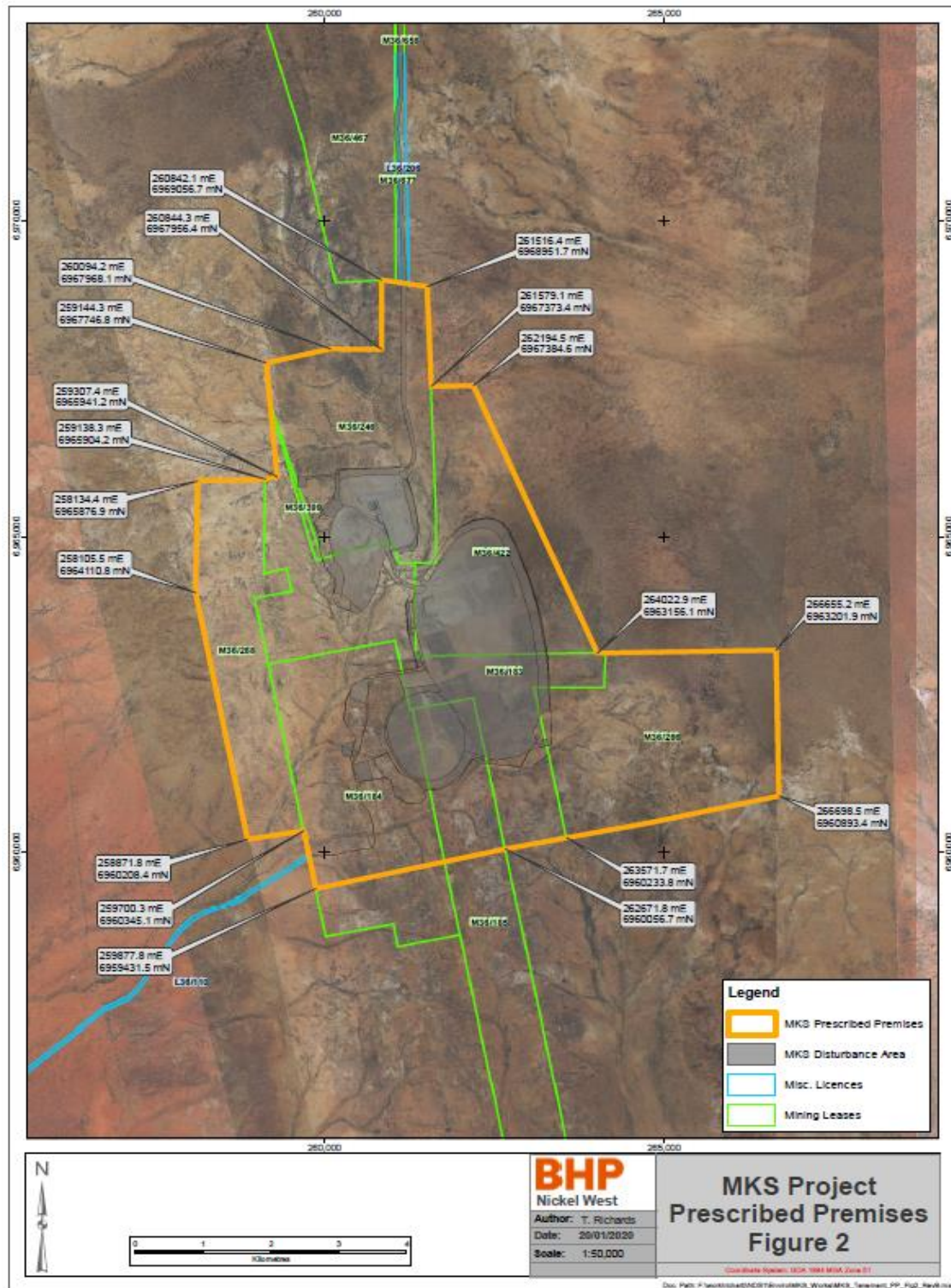


Figure 1: Map of the boundary of the prescribed premises

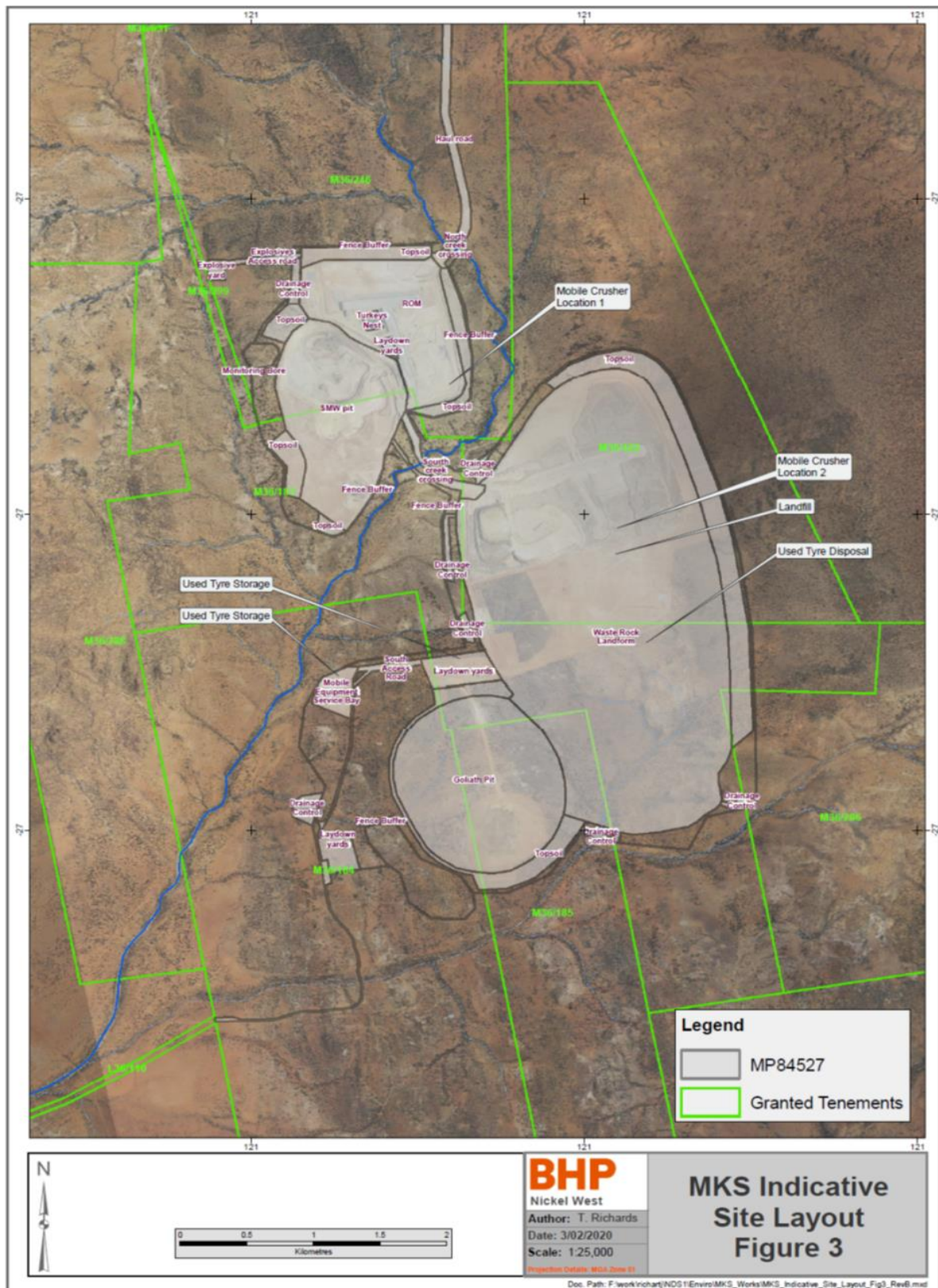


Figure 2: Proposed Site Layout showing infrastructure locations

Schedule 2: Premises boundary

The premises boundary is defined by the coordinates in Table 2.

Table 2: Premises boundary coordinates (Zone 51)

Easting	Northing
260842.1	6969056.7
261516.4	6968951.7
261579.1	6967384.6
264022.9	6963156.1
266655.2	6963201.9
266698.5	6960893.4
263571.7	6960233.8
262671.8	6960056.7
259877.8	6959431.5
259700.3	6960345.1
258871.8	6960208.4
258105.5	6964110.8
258134.4	6965876.9
259138.3	6965904.2
259307.4	6965941.2
259144.3	6967746.8
260094.2	6967968.1
260844.3	6967956.4