



Works approval number	W6597/2021/1
Works approval holder	BHP Nickel West Pty Ltd
ACN	76 004 184 598
Registered business address	BHP Nickel West Land Services PO Box 8301 PERTH BUSINESS CENTRE WA 6849
DWER file number	DER2021/000522
Duration	17/05/2022 to 16/05/2025
Date of issue	17/05/2022
Premises details	Mt Keith Operations WILUNA WA 6649 Legal description - Mining tenements M53/165, M53/166, M53/167, M53/56 and M53/57 L53/63, L53/82 and L53/122 As shown in Schedule 1

Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations 1987</i>)	Assessed design capacity
Category 5: Processing or beneficiation of metallic or non-metallic ore	13,500,000 tonnes per year
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	500,000 tonnes per year

This works approval is granted to the works approval holder, subject to the attached conditions, on 17 May 2022, by:

**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
17/05/2022	W6597/2021/1	Works approval to construct an additional SAG mill circuit and mobile crushing and screening activities granted.

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 design, construct and/or install the infrastructure and equipment listed in Table 1, in accordance with;
 - (a) the corresponding design, construction and/or installation requirements;
 - (b) at the corresponding infrastructure and equipment location; and
 - (c) within the corresponding timeframe
 as set out in Table 1.

Table 1: Design, construction and/or installation requirements

	Infrastructure	Design and construction / installation requirements	Infrastructure location	Timeframe
1.	<u>Semi-autogenous Grinding (SAG) Mill Module 3</u> , includes: <ul style="list-style-type: none"> • SAG Mill trommel cover and discharge oversize chute; • SAG Mill liner handler, re-lining tool, hoist and overhead rail support structure and pump hopper; • Pebble recycle conveyors; • Cyclone feed pumps and piping; • Cyclone cluster, cyclone davit crane, underflow and overflow collection tanks and discharge piping; • Product trash screen feed box, distributor, screen, underflow boiler box, oversize chute, and trash bunker; • Product transfer pump hopper, transfer pumps, valves and piping to existing plant deslime feed tanks; and • Supporting structures, concrete foundations, and earthworks. 	<ul style="list-style-type: none"> • Ore processing capacity of up to 4.2 Mtpa; • Dust spray installed at the stockpile stacking conveyor; • Main conveyors are provided with washdown nozzles; and • Water truck must be available and operational to effectively wet down dust generating areas during the construction phase. 	Located within the 'MKDP works footprint' in the Premises map in Schedule 1 (Figure 2).	Prior to the submittal of the Environmental Compliance Report required by Condition 2
2.	<u>Crushing and conveying</u> Primary crusher <ul style="list-style-type: none"> • New transfer station to split ore between the existing crushing conveyor and new stockpile conveyor including concrete foundations and earthworks 	<ul style="list-style-type: none"> • Modifications to existing crushing conveyors and existing transfer station for the diversion and transfer of ore to new coarse ore stockpile No.2 (COS2) conveyor; • Mobile crushing and screening plant fitted with 		

	Infrastructure	Design and construction / installation requirements	Infrastructure location	Timeframe
	<p>COS2 Conveying</p> <ul style="list-style-type: none"> Stockpile 2 feed conveyors including transfers, take-ups, drive station, stacking conveyor, supporting structure, concrete foundations, earthworks, and raw water booster pump 	<p>water spray nozzles to minimise dust emissions at the head drum, discharge points at conveyors and feed point; and</p> <ul style="list-style-type: none"> Water truck must be available and operational to effectively wet down dust generating areas during the construction phase. 		
3.	<p><u>Stockpile & reclaim conveyor</u> Ore Reclaim</p> <ul style="list-style-type: none"> Reclaim vault, conveyor tunnel, escape tunnel, chutes, feeders, support structures, concrete foundations, sump pump, water reticulation systems, cathodic protection, and earthworks; and SAG Mill 3 feed conveyor including ball handler, belt weigh scale, protection structures, take-up, supporting structures, concrete foundations, and earthworks 	<ul style="list-style-type: none"> Ore capacity of up to 144,196 tonnes; and Earthwork's pad and drainage for COS2 including modifications to existing access road and drainage system 		
4.	<p>Stormwater drainage infrastructure</p>	<ul style="list-style-type: none"> Additional drain diversion to be installed around COS2; Bunds around mobile crushing and screening plant; Two suitably sized box culverts under the haul road to convey the 1% Annual Exceedance Probability (AEP) design event; Placement of MKDP on land that is above expected flooding effects for the 1% AEP event; and Maintain existing drainage structures 		

Compliance reporting

2. The works approval holder must within 30 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 professional 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; and
 - (c) be signed by a person authorised to represent the works approval holder and contains the printed name and position of that person.

Time limited operations phase

Commencement and duration

4. 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.
5. The works approval holder may conduct time limited operations for an item of infrastructure specified in Condition 6 (as applicable):
- (a) for a period not exceeding 180 calendar days from the day the works approval holder meets the requirements of Condition 4 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 5(a).

Time limited operations requirements and emission limits

6. During time limited operations, the works approval holder must ensure that the premises infrastructure and equipment listed in Table 2 and located at the corresponding infrastructure location is maintained and operated in accordance with the corresponding operational requirement set out in Table 2.

Table 2: Infrastructure and equipment requirements during time limited operations

	Site infrastructure and equipment	Operational requirements	Infrastructure location
1.	SAG Mill Circuit	<ul style="list-style-type: none"> • Water dousing via sprays at the primary crusher 	Located within the 'MKDP works

2.	Mobile crushing / screening plant	<ul style="list-style-type: none"> • Maintain all mobile equipment as per manufacturer's specifications; • Keep suitably stocked spill response equipment close to where spills may occur; • Ensure all staff are trained to use the spill response equipment; • Immediate removal of spilled material; and • Contaminated material disposed of at bioremediation area or an approved location in accordance existing NMK site procedures. <p><u>General</u></p> <ul style="list-style-type: none"> • Vehicle speed limits to be in place. 	footprint' in the Premises map in Schedule 1 (Figure 2).
3.	Stormwater drainage infrastructure	<p>Stormwater must be managed within the MKDP so that:</p> <ul style="list-style-type: none"> • clean surface water is diverted around work areas; and • potentially contaminated waters are retained onsite. 	
4.	Water cart	<ul style="list-style-type: none"> • Water cart must be available and operational to effectively wet down dust-generating areas and stockpiles when required. 	

7. The works approval holder shall immediately recover, or remove and dispose of, spills of environmentally hazardous materials including fuel, oil, or other hydrocarbons, whether inside or outside an engineered containment system.
8. The works approval holder must ensure that no visible dust generated from the screening of material crosses the boundary of the premises.
9. The works approval holder must manage dust generation at the premises from the screening of material by:
 - (a) wetting down haul / unsealed roads, conveyors, transfer points and COS2 with a water truck; and
 - (b) limiting the speed of haulage trucks to minimise dust generation.

Compliance reporting

10. The works approval holder must submit to the CEO a report on the time limited operations within 60 calendar days of the completion date of time limited operations or 60 calendar days before the expiration date of the works approval, whichever is the sooner
11. The works approval holder must ensure the report required by Condition 10 includes the following:
 - (a) a summary of the time limited operations, including timeframes.
 - (b) a summary of the environmental performance of all infrastructure as constructed or installed (as applicable), which includes records detailing the:
 - (i) amount of total material processed
 - (ii) amount of waste rock produced; and

- (c) 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)

- 12.** 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.

- 13.** 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 while complying with Condition 1
 - (c) monitoring programmes undertaken in accordance with Condition 1 and 6; and
 - (d) complaints received under Condition 12.

- 14.** The books specified under Condition 13 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 3 have the meanings defined.

Table 3: Definitions

Term	Definition
AEP	annual exceedance probability
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
COS2	coarse ore stockpile (no.) 2
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).
MKDP	Mt Keith De-Bottlenecking Project
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 to this works approval.
prescribed premises	has the same meaning given to that term under the EP Act.
SAG	semi-autogenous grinding
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
AEP	annual exceedance probability
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

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

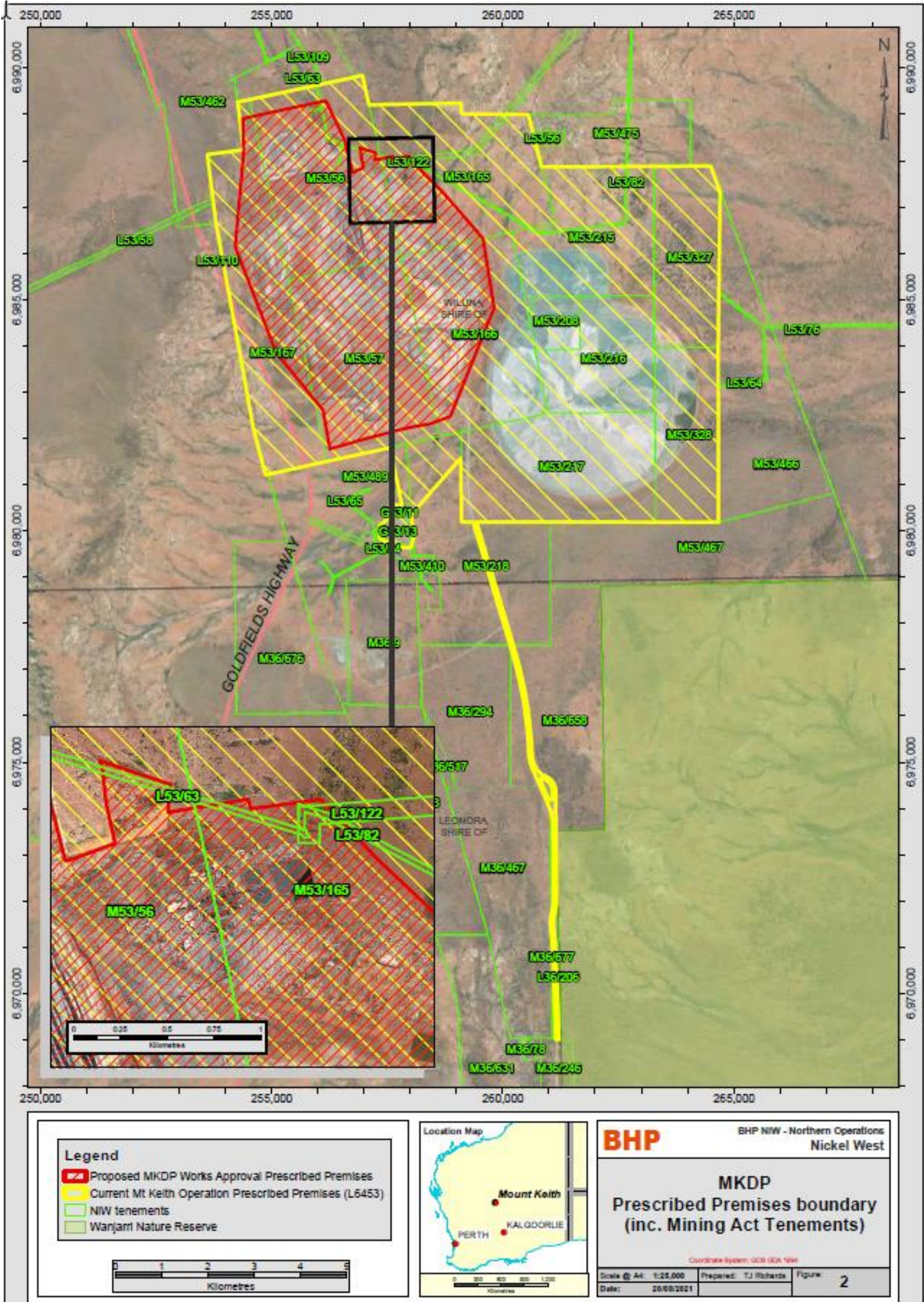


Figure 1: Map of the boundary of the prescribed premises

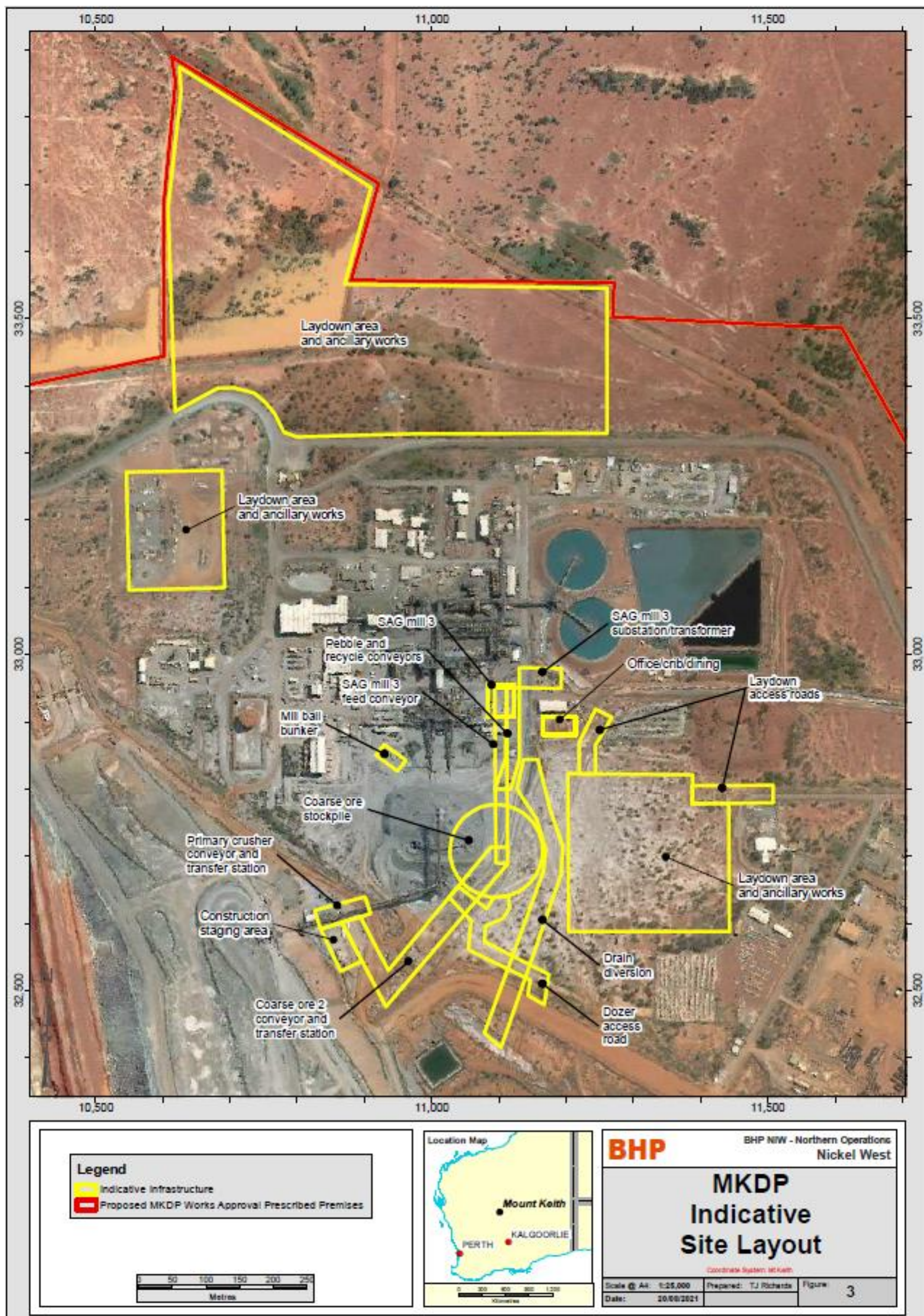


Figure 2: MKDP indicative site layout