



Works approval number W6793/2023/1

Works approval holder Poseidon Nickel Limited
ACN 060 535 206
Registered business address Level 1, 3 Ord Street
West Perth WA 6005
DWER file number DER2023/000087

Duration 29/06/2023 to 28/06/2028

Date of issue 29/06/2023

Premises details Black Swan Nickel Mine
Mining tenements M27/39 and M27/200
KALGOORLIE WA 6430

Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations 1987</i>)	Assessed production or design capacity
Category 5: Processing and beneficiation of metallic or non-metallic ore	3,000,000 tonnes per annual period
Category 6: Mine dewatering	450,000 tonnes per annual period

This works approval is granted to the works approval holder, subject to the attached conditions, on 29 June 2023, by:

Alana Kidd

Manager, Resource Industries

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

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 the infrastructure;
 - (b) in accordance with the corresponding design and construction requirements; and
 - (c) at the corresponding infrastructure location;
 as set out in Table 1.

Table 1: Infrastructure design and construction requirements

	Infrastructure	Design and construction / installation requirements	Infrastructure location	Timeframe
1.	Stage 5, Phase 1 Black Swan Disseminated Tailings Storage Facility (BSDTSF) lift	<p>To be constructed using downstream construction methods</p> <p>To consist of an inner 8 metre wide compacted clay embankment against the Black Swan Disseminated Waste Rock Dump (BSDWRD)</p> <p>To achieve an embankment crest height no higher than 11382.5m RL</p>	In the area marked BSDTSF as depicted in Figure 1 in Schedule 1	Prior to the commencement of tailings placement in the BSDTSF
2.	Stage 5, Phase 1 BSDTSF lift (northwestern corner)	<p>To be constructed using upstream construction methods.</p> <p>To consist of a raised embankment width of 13 metres</p> <p>To be constructed of compacted clayey fill material/clayey mine waste.</p> <p>To achieve an embankment crest height no higher than 11382.5m RL</p>	In the area marked BSDTSF as depicted in Figure 1 in Schedule 1	Prior to the commencement of tailings placement in the BSDTSF
3.	Decant Structure raise	<p>To be constructed using slotted concrete pipe section, surrounded by clean rock fill</p> <p>To reach a height no higher than 11377.5m RL.</p> <p>As depicted in Figure 2 of Schedule 1.</p>	In the location of the current decant structure	Prior to the commencement of tailings placement in the BSDTSF
4.	Return Water Dam	<p>To have a minimum capacity of 2,240 m3</p> <p>To be lined with 2mm HDPE liner</p> <p>Constructed as depicted in Figure 3 in Schedule 1.</p>	In the area marked Return Water Dam as depicted in Figure 1 in Schedule 1	Prior to the commencement of tailings placement in the BSDTSF

	Infrastructure	Design and construction / installation requirements	Infrastructure location	Timeframe
5.	Tailings storage pads (TSPs)	<p>One or two pads each sized 40 m by 13.5 m, raised a minimum of 0.5m above the surrounding Run of Mine (ROM) pad.</p> <p>To be constructed of compacted waste rock</p> <p>To be graded to a sump with a capacity of 4.3 m3</p>	In one or both of the proposed areas depicted in Figure 4	Prior to placement of tailings in ROM

Compliance reporting

2. The works approval holder must within 60 calendar days of the Infrastructure identified by condition 1 being constructed:
 - (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 qualified professional engineer or builder that each item of infrastructure or component thereof, as specified in condition 2, has been built and installed in accordance with the requirements specified in condition 2;
 - (b) as constructed plans and a detailed site plan showing the location and dimensions for each item of infrastructure or component thereof, as specified in condition 1;
 - (c) be signed by a person authorised to represent the works approval holder and contains the printed name and position of that person;

Records and reporting (general)

4. 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.
5. 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) complaints received under condition 4.

6. The books specified under condition 5 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
annual period	a 12 month period commencing from 30 June until 1 July 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
BSDTSF	Black Swan Disseminated Tailings Storage Facility
BSDWRD	Black Swan Disseminated Waste Rock Dump
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 in Schedule 1 to this works approval.
prescribed premises	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 and Figures

Figure 1: Premises map

The boundary of the prescribed premises is shown in the map below.



Figure 2: Decant Structure Raise, Typical Section

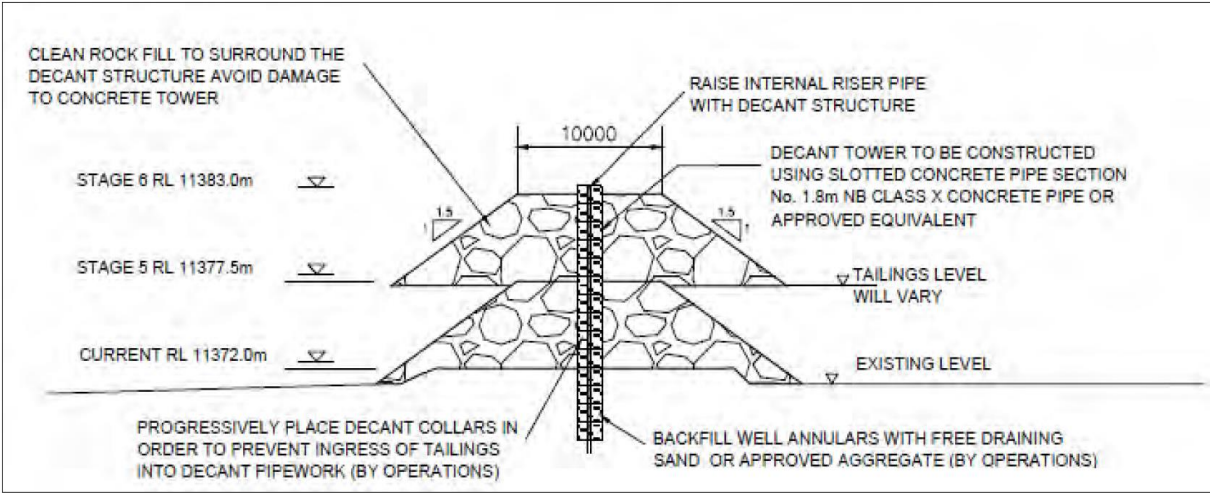


Figure 3: Return Water Dam Design

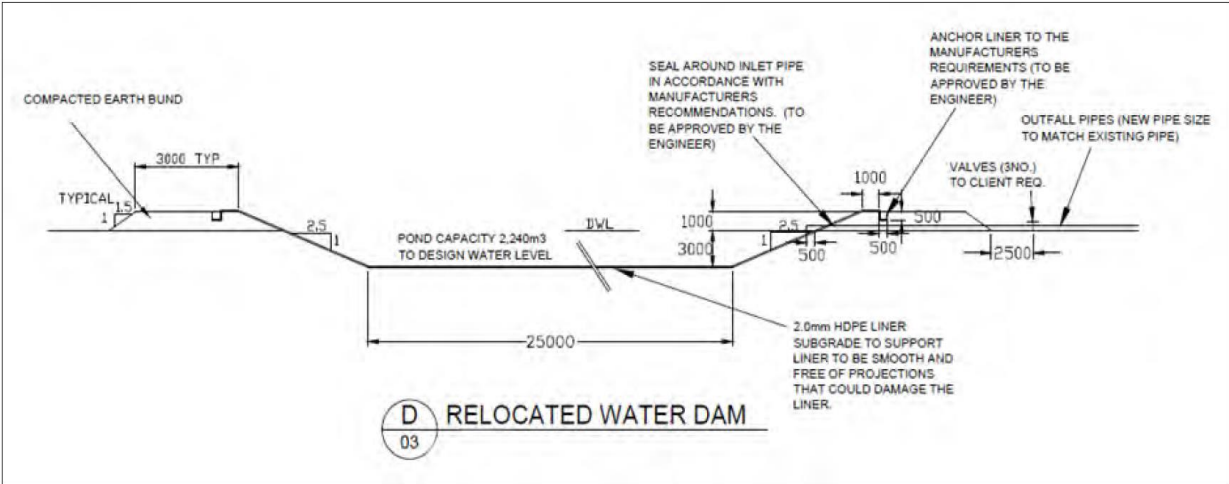


Figure 4: Proposed TSP locations

