



Works approval number W6864/2023/1

Works approval holder Big Bell Gold Operations Pty Ltd

ACN 090 642 809

Registered business address Level 6, 200 St Georges Terrace
Perth, WA 6000

DWER file number DER2023/000732

Duration 26/02/2024 to 26/02/2027

Date of issue 26/02/2024

Premises details Cue Gold Operations – Big Bell Project
Coodardy Road, Cue, WA 6640
Mining tenements M20/17, M20/99, M20/192, L20/21, L20/39, L20/40, L20/41, L21/14, M20/252, M20/307, M20/333, M20/418, M20/435, G20/1, G20/2, G20/3, G20/11, M20/103, M20/171, M20/202, M20/21, M20/22, M20/354, M20/78, M20/104, M20/256, M20/297, M20/301

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: premises on which – (a) Metallic or non-metallic ore is crushed, ground, milled or otherwise processed; or (b) Tailings from metallic or non-metallic ore are reprocessed; or (c) Tailings or residue from metallic or non-metallic ore are discharged into a containment cell or dam.	850,000 tonnes per annum

This works approval is granted to the works approval holder, subject to the attached conditions, on 26 February 2024, by:

Timothy Moran

A/MANAGER, RESOURCE INDUSTRIES

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

Works approval history

Date	Reference number	Summary of changes
26 February 2024	W6864/2023/1	Works approval 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:
 - (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: Design and construction requirements

	Infrastructure	Design and construction requirements	Infrastructure location
1.	Big Bell Paste Plant	<ul style="list-style-type: none"> • Paste plant to be installed at the location indicated by Figure 1 in Schedule 1. • Paste plant sized for a maximum production rate of 100 m³/hr. • General layout of the paste plant to be in accordance with Figure 2 in Schedule 1. • Reagent mixing and handling areas to be housed within bunded areas. • Earthen windrows to be installed around the tailings run-of-mine (ROM) pad to divert uncontaminated stormwater away from the area. • Stormwater diversion infrastructure to be constructed to divert surface water flows around the paste plant operating area. 	As shown in Schedule 1, Figure 1.
2.	Paste Plant process water pipelines	<ul style="list-style-type: none"> • Process water pipeline to be installed at the location depicted in Figure 3, Schedule 1. • Process water pipeline to be equipped with telemetry or automatic cut-outs in the event of a pipe failure; or provided with secondary containment sufficient to contain any spill for a period equal to the time between routine inspections. 	As shown in Schedule 1, Figure 3.

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:
 - (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 geotechnical or civil 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.

Environmental commissioning phase

Environmental commissioning requirements

4. The works approval holder may only commence environmental commissioning of the Big Bell Paste Plant infrastructure listed in condition 1 once the Environmental Compliance Report has been submitted for that infrastructure in accordance with condition 3 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	Duration
Big Bell Paste Plant	<ul style="list-style-type: none">• Testing operation of plant components with tailings, reagents, water, and air under changing process conditions.• Dust suppression to be undertaken to ensure effectiveness.• Any spills or leaks of saline water, tailings, chemicals, or hydrocarbons outside of containment structures to be contained and cleaned up immediately.	For a period not exceeding 30 calendar days in aggregate.

Environmental commissioning report

6. The works approval holder must submit to the CEO an Environmental Commissioning Report within 14 calendar days of the completion date of environmental commissioning of the Big Bell paste plant infrastructure specified in condition 5, 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 timeframes, amount of tailings processed and amount of bore water used.
 - (b) a review of the works approval holder's performance and compliance against the conditions of this works approval; and
 - (c) 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 commence time limited operations for the Big Bell Paste Plant infrastructure as specified in condition 1 where the Environmental Commissioning Report for that stage 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 the Big Bell Paste Plant infrastructure constructed as specified in condition 1:
 - (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 operations requirements and emission limits

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: Operational requirements during time limited operations

Infrastructure	Operational requirements	Infrastructure location
Big Bell Paste Plant	<ul style="list-style-type: none">• Storage and handling of reagents (binder and flocculant) and reclaimed tailings shall be managed to ensure dust emissions are minimized.• Stormwater is to be managed so contaminated or potentially contaminated stormwater is captured to prevent release into the	As shown within Schedule 1, Figure 1

Infrastructure	Operational requirements	Infrastructure location
	environment.	
Big Bell paste plant water pipeline	<ul style="list-style-type: none"> Pipelines to be inspected daily to confirm integrity. 	As shown within Schedule 1, Figure 3
Existing Big Bell tailings storage facility (TSF1)	<ul style="list-style-type: none"> The reclamation of tailings from TSF1 shall be managed by routine dust suppression to ensure dust generation is minimised. Any spills of tailings outside of TSF1 shall be contained and cleaned up immediately. 	As shown within Schedule 1, Figure 1

Compliance reporting

11. 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 60 calendar days before the expiration date of the works approval, whichever is the sooner.
12. The works approval holder must ensure the report required by condition 11 includes the following:
 - (a) a summary of the time limited operations, including timeframes, amount of tailings processed and amount of bore water used;
 - (b) a review of performance and compliance against the conditions of the works approval; and
 - (c) where the manufacture'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)

13. 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.
14. 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 10.
 - (c) complaints received under condition 13.

- 15.** The books specified under condition 14 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 4 have the meanings defined.

Table 4: Definitions

Term	Definition
annual period	a 12-month period commencing from 1 January until 1 January 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 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 in accordance with the works approval.
EP Act	<i>Environmental Protection Act 1986 (WA)</i> .
EP Regulations	<i>Environmental Protection Regulations 1987 (WA)</i> .
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.

Term	Definition
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.
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

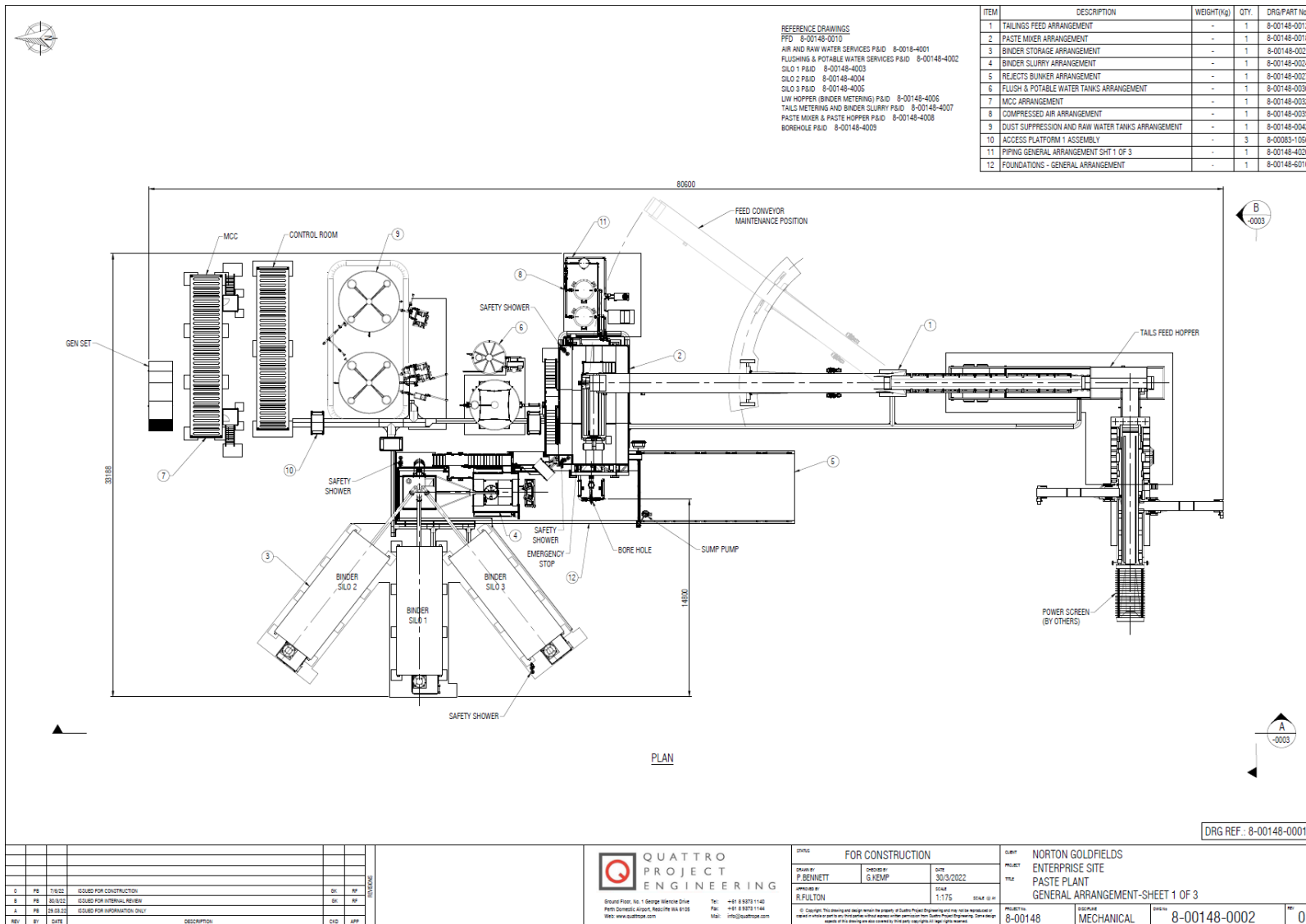
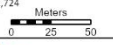








Figure 2: General layout of Big Bell paste plant



Filename: L8934 Licence Amendment
 Date: 15/02/2024
 Created By: Marcus Redford
 Projection: GDA 1994 MGA ZONE 50
 Aerial: Source: Esri, Maxar, Earthstar
 Geographics, and the GIS User Community
 Scale: 1:2,724



- Legend**
-  Big Bell Paste Plant Pipeline
 -  Big Bell Paste Plant Design
 -  Category 5 Prescribed Premises Area
 -  L8934 Prescribed Premises Boundary
 -  BBGO Tenements

W6864/2023/1 - Big Bell
Big Bell Paste Plant Prescribed Premises Location

Figure 3: Location of process water pipelines