Government of Western Australia
Department of Water and Environmental Regulation

Works Approval

Works approval number	W6323/2019/1
Works approval holder	Billabong Gold Pty Ltd
ACN	613 900 922
Registered business address	30 Richardson Street WEST PERTH WA 6005
DWER file number	DER2019/000394
Duration	6/03/2020 to 05/03/2026
Date of issue	5/03/2020
Date of amendment	3 March 2023
Premises details	Plutonic Gold Mine M52/148 and M52/170 MEEKATHARRA WA 6642

Prescribed premises category description (Schedule 1, ***Environmental Protection Regulations 1987***)	**Assessed production / design capacity**
Category 5: Processing or beneficiation of metallic or non-metallic ore	*1,800,000 tonnes per annum*

This works approval is granted to the works approval holder, subject to the attached conditions, on 3 March 2023, by:

Courtney Henry
Digitally signed by Courtney Henry
Date: 2023.03.03 10:31:57 +08'00'

A/SENIOR ENVIRONMENTAL OFFICER, INDUSTRY REGULATION
an officer delegated under section 20 of the *Environmental Protection Act 1986* (WA)

Works approval history

Date	Reference number	Summary of changes
5/03/2020	W6323/2019/1	Works approval granted
3/03/2023	W6323/2019/2	Works approval amendment – extension of expiry date by three years to the 5 March 2026

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 means the version of the standard, guideline or code of practice in force at the time of granting of this works approval and includes any amendments to the standard, guideline or code of practice which may occur from time to time during the course of the works approval;

(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 critical containment infrastructure;
(b) In accordance with the corresponding design and construction requirements;
(c) At the corresponding infrastructure location; and
(d) Within the corresponding timeframe.

Table 1: Critical containment infrastructure requirements

	Infrastructure/ equipment	Design and construction / installation requirements	Infrastructure/ equipment location	Timeframe
1.	Process Water Dam	• Maintain fencing around the existing Process Water Dam to prevent access to fauna; • Embankments to be kept vegetation free	Schedule 1: Maps, Premises map, Figure 1	This infrastructure should already be in place
2.	TSF4 and TSF5 general details	• 2 x paddock style TSF4 and TSF5 • 2.5 metre embankment raise as follows: ➢ Lift 1 from embankment crest level of RL506.0m to crest level of RL508.5m with a storage capacity of 5,256,339 tonnes; ➢ Lift 2 from embankment crest level of RL508.5m to crest level of RL511.0m with a storage capacity of 8,868,978 tonnes; ➢ Lift 3 from embankment crest level of RL511.0m to crest level of RL513.5m with a storage capacity of 12,4502,312 tonnes; ➢ Lift 4 from embankment crest level of RL513.5m to crest level of RL516.0m with a storage capacity of 15,972,356 tonnes; ➢ Lift 5 from embankment crest level of RL516.0m to crest level 518.5m with a storage capacity of	Schedule 1: Maps, Premises map, Figure 1	Prior to the submittal of the Environmental Compliance Critical Containment Infrastructure Report required by condition 4

	Infrastructure/ equipment	Design and construction / installation requirements	Infrastructure/ equipment location	Timeframe
		22,955,982 tonnes; and ➢ Lift 6 from embankment crest level of RL518.5m to crest level 521.0m with a storage capacity of 26,411,001 tonnes		
3.	TSF4 and TSF5 associated Pipelines	Pipelines: • Located inside bunded open trenches (earthen bunds, that are contoured to have any spillage contained within three excavated sumps); and • Trenches to have a capacity of at least 2,500 m^3 and contain at least six hours of slurry at full flow.	Schedule 1: Maps, Premises map, Figure 1	Prior to the submittal of the Environmental Compliance Critical Containment Infrastructure Report required by condition 4
4.	TSF4 and TSF5 leak detection systems	Leak detection systems: • Tailings and decant return pipelines to be fitted with flow sensors at the TSFs common manifold of the facility and the pump discharge points of the Processing plant; • System to have a controlled shutdown when there is a pipeline failure detected; and • Affected pipeline to remain shut down until repaired and spilled material collected.	Schedule 1: Maps, Premises map, Figure 1	Prior to the submittal of the Environmental Compliance Critical Containment Infrastructure Report required by condition 4
5.	TSF4 and TSF5 freeboard	Freeboard: • TSF4 and TSF 5 able to contain a 1 in 100 year ARI, 72-hour duration rainfall event; and • Minimum operational freeboard of TSFs to be 300mm (height between the tailings beach at the embankment and the embankment crest) and the minimum total freeboard will be 500mm (operational freeboard 300mm plus pond and storm freeboard of 200mm).	Schedule 1: Maps, Premises map, Figure 1	Prior to the submittal of the Environmental Compliance Critical Containment Infrastructure Report required by condition 4
6.	TSF4 and TSF5 permeability	Permeability: ➢ Ranges between 1.0E-07 to 9.6E-07.	Schedule 1: Maps, Premises map, Figure 1	Prior to the submittal of the Environmental Compliance Critical Containment

	Infrastructure/ equipment	Design and construction / installation requirements	Infrastructure/ equipment location	Timeframe
				Infrastructure Report required by condition 4
7.	TSF4 and TSF5 decant structures	Decant structures: • Tailings discharge or spigotting will be carried out such that the water pond is constantly positioned around the decant structure. The pond will be kept as far away as practical from the perimeter containment embankments at all times; • Managing (minimising) the size of the water pond to ensure no excess water is retained on the TSFs to assist in reducing potential seepage; and • A decant structure in each cell is incorporated into the design to recover water liberated from the tailings slurry.	Schedule 1: Maps, Premises map, Figure 1	Prior to the submittal of the Environmental Compliance Critical Containment Infrastructure Report required by condition 4
8.	TSF4 and TSF5 underdrainage	Underdrainage: • Seepage will be captured from the base of TSF4 and TSF5 via underdrainage and report to a seepage collection sump on the northern side of the TSF facilities; • A downstream seepage interception trench is to be constructed in the vicinity of the TSFs and will include the following: ➢ Excavate trenches to the cross-sections, grades and elevations. Each trench is to be excavated so the invert falls in one direction and so that water flow accumulates in the underdrainage and toe drain sumps located along the perimeter embankments on the northern side of TSF4; ➢ Nominal depth of excavation is to be 0.5m to facilitate gravity flow; ➢ The underdrainage system comprises of finger drains	Schedule 1: Maps, Premises map, Figure 1	Prior to the submittal of the Environmental Compliance Critical Containment Infrastructure Report required by condition 4

	Infrastructure/ equipment	Design and construction / installation requirements	Infrastructure/ equipment location	Timeframe
		at the base of the TSF4 and TSF5; and ➢ The total length of the underdrainage lines within TSF4 and TSF5 will be 7.8km and will collect water beneath the tailings impoundments and discharge any collected water into the Water Return Pond. • Formed by the installation of slotted pipes comprising a product described as Megaflo which comes supplied with a geotextile wrap. The Megaflo is surrounded by clean sand or gravel which is wrapped in geotextile, which assists in limiting the ingress of tailings into the finger drains. The sand / gravel is used to provide a larger surface area for the interception and collection of any water recovery. The finger drains are placed in a shallow trench to form a drain to collect surface water.		
9.	Water Return Pond	• Constructed along TSF4's north-east embankment that is a 50m x 50m square pond lined with HDPE and 2.8m deep.	Schedule 1: Maps, Premises map, Figure 1	Prior to the submittal of the Environmental Compliance Critical Containment Infrastructure Report required by condition 4
10.	TSF4 and TSF5 vibrating wire piezometers	• 18 vibrating wire piezometers will be installed at or near the base of TSF4 and TSF5 once earthworks are completed; and • Nine additional vibrating wire piezometers will be installed as the tailings level rises and will be installed when the tailings are 2m below the starter embankment crest level and safe access is possible onto a dried tailings beach.	Schedule 1: Maps, Premises map, Figure 2	Prior to the submittal of the Environmental Compliance Critical Containment Infrastructure Report required by condition 4
11.	TSF4 and TSF5 fauna prevention	Fauna prevention: • install a stock fence around the perimeter of the TSF4 and TSF5,	Schedule 1: Maps, Premises map, Figure 1	Prior to the submittal of the Environmental

	Infrastructure/ equipment	Design and construction / installation requirements	Infrastructure/ equipment location	Timeframe
		including the Water Return Pond; • Fauna scaring devices installed and operational (Air cannons and audible bird scarers); and • Minimising the size of the water pond to ensure no excess water is retained on the TSF will assist in reducing pond size and preventing fauna attraction.		Compliance Critical Containment Infrastructure Report required by condition 4

2. The works approval holder must design, construct and install groundwater monitoring bores in accordance with the requirements specified in Table 2.

Table 2: Installation of groundwater monitoring bores

Infrastructure	Design, construction and installation requirements	Monitoring bore location	Timeframe
Groundwater monitoring bores	• Nine new groundwater monitoring bores to be installed to monitor for SWLs and water quality; • Construct within a 20 m radius of the specified coordinates: ➢ TSF4_1, 748362.75E, 7199311.98N; ➢ TSF4_2, 748738.82E, 7199336.88N; ➢ TSF4_3, 749094.61E, 7199355.34N; ➢ TSF4_4, 749263.62E, 7199235.47N; ➢ TSF5_1, 749432.22E, 7199013.48N; ➢ TSF5_2, 749597.98E, 7198795.54N; ➢ TSF5_3, 749649.01E, 7198565.06N; ➢ TSF5_4, 749330.86E, 7198309.59N; and ➢ TSF5_5, 749101.51E, 7198125.36N • These monitoring bores around the perimeter of the TSF4 and TSF5 will have the capability to have pumping systems installed and utilised as water recovery bores if required; • Geophysical testing of the new TSF footprint must be conducted to ensure that bore sites are located on bedrock fractures that are potential groundwater flow-paths in the bedrock aquifer. It is recommended that two bores are drilled and constructed at each monitoring site: one in the shallow aquifer in regolith, and one constructed in fractured	Downstream of the TSF4 and TSF5 perimeter embankments Schedule 1: Maps, Premises map, Figure 1	Must be constructed, developed (purged) and determined to be operational no later than three months prior to commencement of the environmental commissioning actives under condition 9

Infrastructure	Design, construction and installation requirements	Monitoring bore location	Timeframe
	bedrock; • Designed and constructed in accordance with ASTM D5092/D5092M-16: Standard practice for design and installation of groundwater monitoring bores; • A bore location map (using aerial image overlay) must be prepared and include the location of all monitoring bores in the monitoring network and their respective identification numbers; and • Conduct baseline sampling as soon as practicable in accordance with Section 8.2.3.5 of National Environment Protection (Assessment of Site Contamination) Measure 1999 (NEPM, 1999) as per Table 3.		

3. The works approval holder must, within 60 calendar days of the monitoring bores being constructed, submit to the CEO a bore construction report evidencing compliance with the requirements of condition 2.

Environmental compliance critical containment infrastructure report

4. The works approval holder must within 60 calendar days of an item of the critical containment infrastructure required by condition 1 being constructed:

(a) undertake an audit of that compliance with the requirements of condition 1; and

(b) prepare and submit to the CEO an Environmental Compliance Critical Containment Infrastructure Report on that compliance.

5. The Environmental Compliance Critical Containment Infrastructure Report required by condition 4, must include as a minimum the following:

(a) certification by a suitably qualified professional engineer that each item of critical containment infrastructure or component thereof, as specified in condition 1, have been built and installed in accordance with the relevant requirements specified in condition 1;

(b) as constructed plans and a detailed site plan showing the location and dimensions for each item of critical containment infrastructure or component thereof, as specified in condition 1;

(c) monitoring data indicating the baseline ambient environmental conditions at the premises, as per condition 6, prior to commissioning of the items of infrastructure specified in condition 1;

(d) a Quality Control / Quality Assurance Certificate from an independent third party which demonstrates that the permeability of the TSF4 and TSF5 meets the requirements specified in Table 1; and

(e) be signed by a person authorised to represent the works approval holder and contains the printed name and position of that person.

Baseline ambient groundwater monitoring

6. The baseline ambient groundwater monitoring required under condition 1 must be undertaken in accordance with Table 3.

Table 3: Determination of baseline ambient groundwater monitoring

Monitoring location	Parameter	Unit	Frequency	Averaging Period	Method
Groundwater monitoring bores as per condition 2	SWL	mbgl	At least once 3 months prior to the commencement of commissioning and quarterly thereafter during commissioning and time limited operations	Spot sample	AS/NZS 5667.1 AS/NZS 5667.11
	pH	pH units			
	TDS	mg/L			
	Aluminum	mg/L			
	Antimony	mg/L			
	Arsenic	mg/L			
	Boron	mg/L			
	Cadmium	mg/L			
	Calcium	mg/L			
	Chromium	mg/L			
	Cobalt	mg/L			
	Copper	mg/L			
	Fluoride	mg/L			
	Iron	mg/L			
	Lead	mg/L			
	Magnesium	mg/L			
	Manganese	mg/L			
	Mercury	mg/L			
	Molybdenum	mg/L			
	Nickel	mg/L			
	Selenium	mg/L			
	Sulfate	mg/L			
	Thallium	mg/L			
	Total Nitrogen	mg/L			

Monitoring location	Parameter	Unit	Frequency	Averaging Period	Method
	Total Phosphorus	mg/L			
	Uranium	mg/L			
	Zinc	mg/L			
	WAD Cyanide	mg/L			

7. The works approval holder must record the result of all monitoring activity required by condition 6 and compare the results to the ANZECC/ARMCANZ NWQMS, Australian and New Zealand Guidelines for Fresh and Marine Water Quality, Livestock drinking water quality.

8. The works approval holder must provide at least one campaign of the baseline ambient groundwater monitoring required by condition 6 prior to the commencement of the commissioning phase.

Environmental commissioning phase

Environmental commissioning requirements

9. The works approval holder may only commence environmental commissioning of an item of infrastructure identified in condition 1:

(a) once the Environmental Compliance Critical Containment Infrastructure Report has been submitted for that item of infrastructure in accordance with condition 4 of this works approval; and

(b) The CEO has notified the works approval holder that the Environmental Critical Containment Infrastructure Report required by condition 5 meets the requirements of the works approval within 45 days.

10. Any environmental commissioning activities undertaken for an item of infrastructure specified in Table 4 may only be carried out:

(a) In accordance with the corresponding commissioning requirements; and

(b) For the corresponding authorised commissioning duration.

Table 4: Environmental commissioning requirements

	Infrastructure	Commissioning requirements	Authorised commissioning duration
1.	TSF4 and TSF5	Subject to completing the requirements of conditions 2 and 3	For a period not exceeding 30 days

Monitoring during environmental commissioning

11. The works approval holder must monitor emissions during environmental commissioning in accordance with Table 5.

Table 5: Emissions and discharges monitoring during environmental commissioning

Discharge point	Monitoring location	Parameter	Frequency	Averaging Period	Unit	Method
Tailings Storage Facility Spigot Outlet Decant Water to Process Water Dam	Shown on Schedule 1 Premises Map	pH	1 sample on the commencement of commissioning and monthly thereafter	Spot sample	pH units	AS/NZS 5667.1 AS/NZS 5667.10
		WAD-CN			mg/L	

12. The works approval holder must record the results of all monitoring activity required by condition 11.

13. The works approval holder must submit to the CEO an Environmental Commissioning Report within 60 calendar days of the completion date of environmental commissioning for each item of infrastructure specified in in Table 4.

14. The works approval holder must ensure the Environmental Commissioning Report required by condition 13 of this works approval includes the following:

(a) a summary of the commissioning activities undertaken, including timeframes and amount of gold bearing ore processed, product produced and tailings deposited;

(b) The ambient concentrations, monitoring and point source emissions monitoring recorded in accordance with conditions 6 and 11;

(c) Comparison of the data from condition 6 with the ANZECC/ARMCANZ NWQMS, Australian and New Zealand Guidelines for Fresh and Marine Water Quality, Livestock drinking water quality;

(d) Comparison of the data from condition 11 with the The International Cyanide Management Code: Implementation Guidance, which recommends a WAD cyanide concentration in tailings and water ponds of 50mg/L;

(e) A summary of the environmental performance of each item of infrastructure or equipment as conducted or installed (as applicable), which at minimum includes records detailing the:

(i) Commissioning of the infrastructure; and

(ii) Testing the infrastructure.

(f) A review of the works approval holder's performance and compliance against the conditions of this works approval; and

(g) Where they have not been met, measures proposed to meet the manufacturer's design specifications and the conditions of their works approval, together with timeframes for implementing the proposed measures.

Time limited operations phase

Commencement and duration

15. The works approval holder may only commence time limited operations for an item of infrastructure identified in condition 16:

(a) Where the item of infrastructure is authorised to undertake environmental commissioning under condition 4, the Environmental Commissioning Report for that item of infrastructure as required by condition 13 has been submitted by the works approval holder;

(b) Where the CEO has notified the works approval holder that the Critical Containment Infrastructure Report for that item of infrastructure as required by condition 4 meets the requirements of that condition; and

(c) For no longer than 180 days from the time of Environmental Commissioning Report submission, or until such time as a Licence for the same is granted.

Time limited operations requirements

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

Table 6: Infrastructure and equipment requirements during time limited operations

	Site infrastructure and equipment	Operational requirement	Infrastructure location
1.	TSF4 and TSF5 Pipelines	• In the event of a pipeline failure, there will be a controlled shutdown. • The affected pipeline will remain shut down until repaired and the spilled materials collected and/or pumped, as appropriate, and deposited in TSF4 or TSF5.	Schedule 1: Maps, Premises map, Figure 1
2.	TSF4 and TSF5 freeboard	• The minimum operational freeboard of TSF4 and TSF5 will be 300mm (height between the tailings beach at the embankment and the embankment crest) and the minimum total freeboard will be 500mm (operational freeboard 300mm plus pond and storm freeboard of 200mm) • Water will be continually	Schedule 1: Maps, Premises map, Figure 1

	Site infrastructure and equipment	Operational requirement	Infrastructure location
		removed from the facilities such that the minimum freeboard allowance is maintained	
3.	TSF4 and TSF5 spigotting and decanting	• Operate with a solids density of 55%, as opposed to 50%. • Tailings discharge or spigotting will be carried out such that the water pond is constantly positioned around the decant structure. The pond will be kept as far away as practical from the perimeter containment embankments at all times. • Managing (minimising) the size of the water pond to ensure no excess water is retained on the TSF will assist in reducing potential seepage • Recovered water will be pumped from the sump for re-use in the process plant. • Decant pond levels are maintained as low as practical to ensure excess water is continually removed.	Schedule 1: Maps, Premises map, Figure 1
4.	TSF4 and TSF5 piezometers	• Read and report water levels within the piezometers along the TSF4 and TSF5 embankments.	Schedule 1: Maps, Premises map, Figure 1
5.	TSF4 and TSF5 fauna scaring devices	• Air cannons; and • Audible bird scarers	Schedule 1: Maps, Premises map, Figure 1

17. The works approval holder may conduct time limited operations for an item of infrastructure specified in condition 15 (as applicable) until such time as a licence for that item of infrastructure is granted in accordance with Part V of the *Environmental Protection Act 1986*.

Monitoring during time limited operations

18. The works approval holder must monitor ambient groundwater during time limited operations in accordance with condition 6 and emissions during time limited operations in accordance with condition 11.

Inspections

19. The Works Approval Holder must conduct visual inspections of the infrastructure during commissioning and time limited operations at the frequency specified Table 7:

Table 7: Inspections of infrastructure

Infrastructure (refer to Schedule 1 Premises Plan)	Type of inspection	Frequency
Tailings delivery pipelines	To confirm integrity Thickness testing	Four hourly Annually
Tailings decant water return pipelines		
Tailings storage facility embankment freeboard	To confirm required freeboard capacity is available	Four hourly
Process Water Dam	To confirm required freeboard capacity is available	Four hourly

20. The works approval holder must record the results of all monitoring activity required by condition 19.

Compliance reporting

21. 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.

22. The works approval holder must ensure the report required by condition 21 includes the following:

(a) A summary of the time limited operations, including timeframes and amount of gold processed;

(b) product produced;

(c) tailings deposited;

(d) tailings density (solid vs water content);

(e) TSF and Process Water Dam water balance;

(f) The point source emissions monitoring and ambient concentrations monitoring requests recorded in accordance with conditions 6 and 11;

(g) a summary of the environmental performance of all plant and equipment as installed, which at minimum includes records detailing the:

(i) operations of the infrastructure; and

(ii) testing the infrastructure.

(h) a review of performance against the works approval; and

(i) where they have not been met, measures proposed to meet the manufacturer's design specification and conditions of this works approval, together with timescales for implementing the proposed measures.

Records and reporting (general)

23. The works approval holder must ensure that:

(a) Monitoring is undertaken in each monthly period such that there are at least 15 days in between the days on which samples are taken in successive months; and

(b) Monitoring is undertaken in each quarterly period such that there are at least 45 days in between eh days on which samples are taken in successive quarters.

24. 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.

25. 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 4;

(c) monitoring programmes undertaken in accordance with conditions 6 and 11;

(d) visual inspections undertaken in accordance with conditions 19 and 20;

(e) complaints received under condition 23.

26. The books specified under condition 25 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 8 have the meanings defined.

Table 8: Definitions

Term	Definition
AS/NZS 5667.1	means the Australian Standard AS/NZS 5667.1 *Water Quality – Sampling – Guidance of the Design of sampling programs, sampling techniques and the preservation and handling of samples*
AS/NZS 5667.11	means the Australian Standard AS/NZS 5667.11 *Water Quality – Sampling – Guidance on sampling of groundwaters*
ASTM D5092/D5092M-16	Means the ASTM international standard for *Standard practice for design and installation of groundwater monitoring wells (Designation: ASTM D5092/D5092M-16),* as amended from time to time
Averaging period	means the time over which a limit is measured or a monitoring result is obtained
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 *Environmental Protection Act 1986* Locked Bag 10 Joondalup DC WA 6919 info@dwer.wa.gov.au
CN	Cyanide
CN_{WAD}	Weak Acid Dissociable Cyanide
Commission or Commissioning	means the process of operation and testing that verifies the Works and all relevant systems, plant, machinery and equipment associated with the infrastructure have been installed and are performing in accordance with Table 1
Condition	means a condition to which this Works Approval is subject under s.62 of the EP Act
Critical containment infrastructure	means the infrastructure critical to operations as listed in Table 1
Department	means the department established under section 35 of the *Public Sector Management Act 1994* and designated as responsible for the administration of Part V, Division 3 of the EP Act

Department Request	means a request for Books or other sources of information to be produced, made by an Inspector or the CEO to the Works Approval Holder in writing and sent to the Works Approval's address for notifications, as described at the front of this Works Approval, in relation to: (a) compliance with the EP Act or this Works Approval; (b) the Books or other sources of information maintained in accordance with this Works Approval; or (c) the Books or other sources of information relating to Emissions from the Premises
Discharge	has the same meaning given to that term under the EP Act
DWER	Department of Water and Environmental Regulation
Emission	has the same meaning given to that term under the EP Act
Environmental commissioning	means a period of time to allow for stabilisation and optimisation of the process following input of raw materials under operation conditions (including emissions) on the Works Approval for the limited period of operations requested
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 Critical Containment Infrastructure Report	means a report to satisfy the CEO that Works have been constructed in accordance with the Works Approval
Environmental Harm	has the same meaning given to that term under the EP Act
EP Act	means the *Environmental Protection Act 1986* (WA)
EP Regulations	means the *Environmental Protection Regulations 1987* (WA)
Freeboard	means the distance between the maximum water surface elevations and the top of retaining banks or structures at their lowest point
HDPE	High Density Polyethylene
Implementation Agreement or Decision	has the same meaning given to that term under the EP Act
Inspector	means an inspector appointed by the CEO in accordance with s.88 of the EP Act
Material Environmental Harm	has the same meaning given to that term under the EP Act

Mbgl	Metres below ground level
Monthly	means a one-month period commencing from the first calendar day of a month until the final calendar day of the same month
NEPM	National Environment Protection Measure
Pollution	has the same meaning given to that term under the EP Act
Premises	refers to the premises to which this Works Approval applies, as specified at the front of this Works Approval and as shown on the map in Schedule 1 to this Works Approval
Prescribed Premises	has the same meaning given to that term under the EP Act
Quarterly	means the 4 inclusive periods from 1 July to 30 September, 1 October to 31 December and in the following year, 1 January to 31 March and 1 April to 30 June
Reportable Event	means an exceedance above the target limit specified in Column 4 of Table 6, in Schedule 3
Serious Environmental Harm	has the same meaning given to that term under the EP Act
time limited operations	refers to the limited operation of the primary activities described in Schedule 2 of this Works Approval, at locations shown in Schedule 1 of this Works Approval, subject to the conditions, whilst a licence application is being assessed
SWL	Standing Water Level
TDS	Total Dissolved Solids
TSF	Tailings Storage Facility
Unreasonable Emission	has the same meaning given to that term under the EP Act
Waste	has the same meaning given to that term under the EP Act
Works	refers to the Works described in Schedule 2, at the locations shown in Schedule 1 of this works approval to be carried out at the Premises, subject to the Conditions
Works approval	refers to this document, which evidences the grant of the works approval by the CEO under s.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

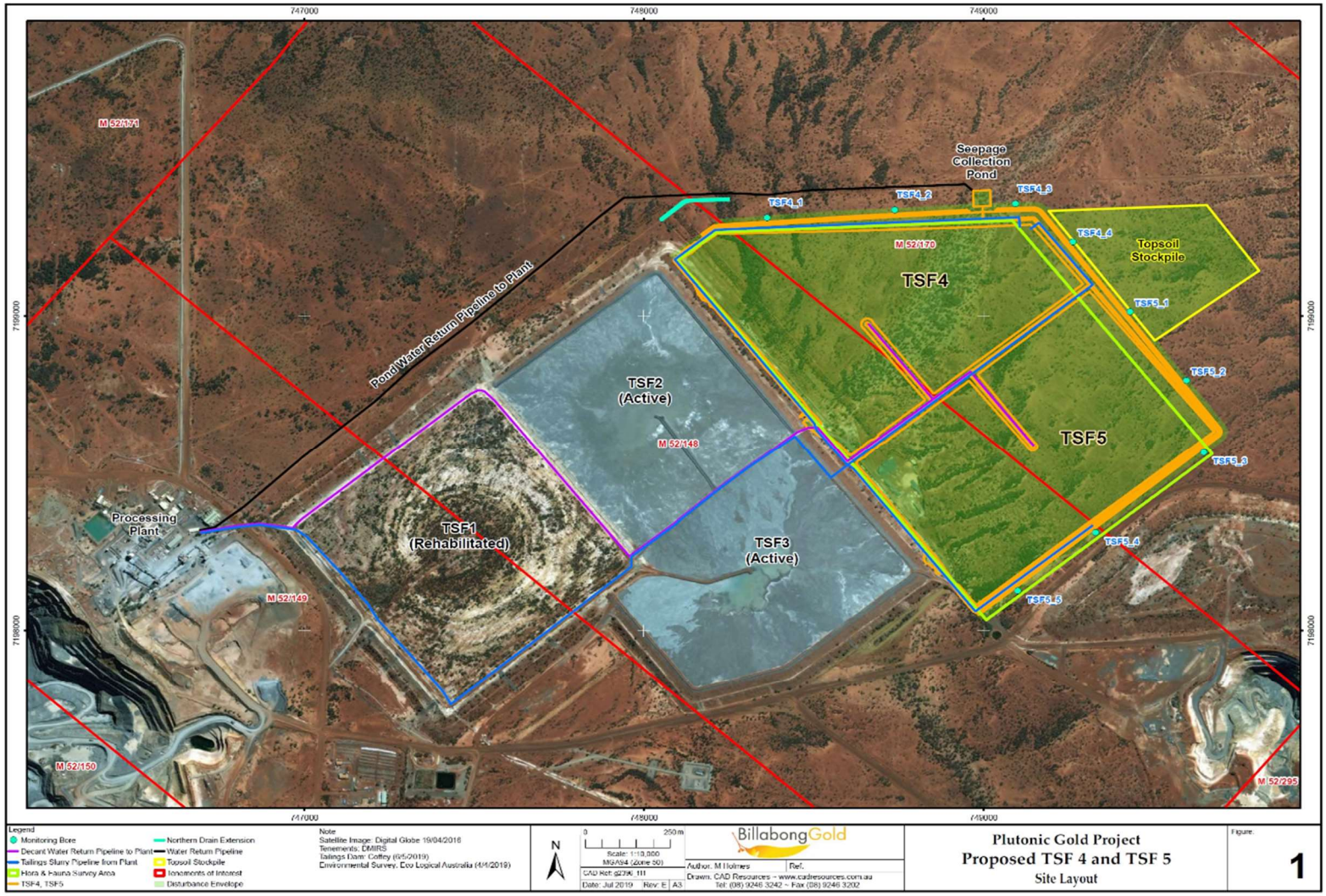

Figure 1: Premises Map with site infrastructure

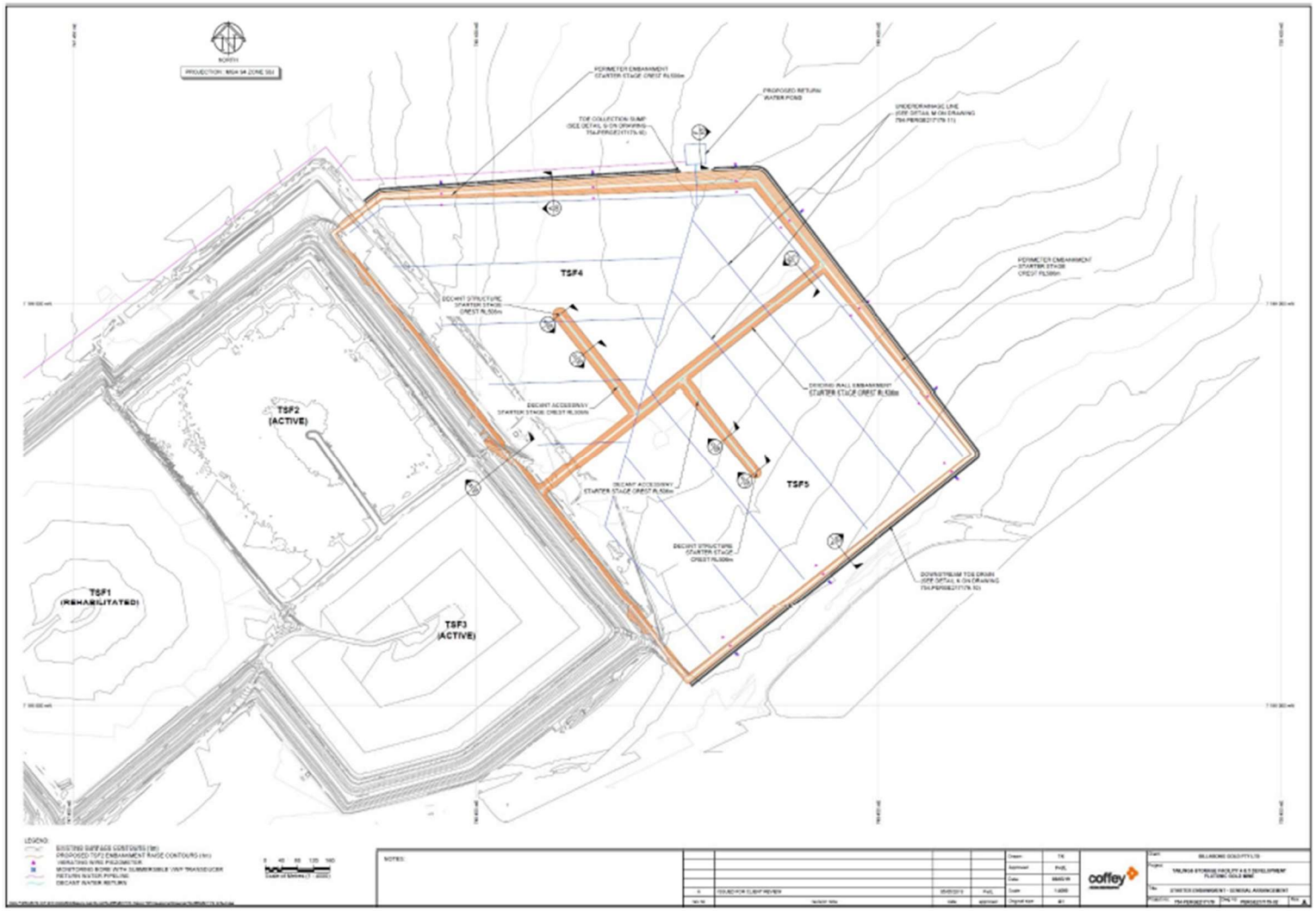

Figure 2: Site Layout Plan – Proposed TSF4 and TSF5 Design Drawings

The boundary of the prescribed premises is shown in the map below (Figure 3).

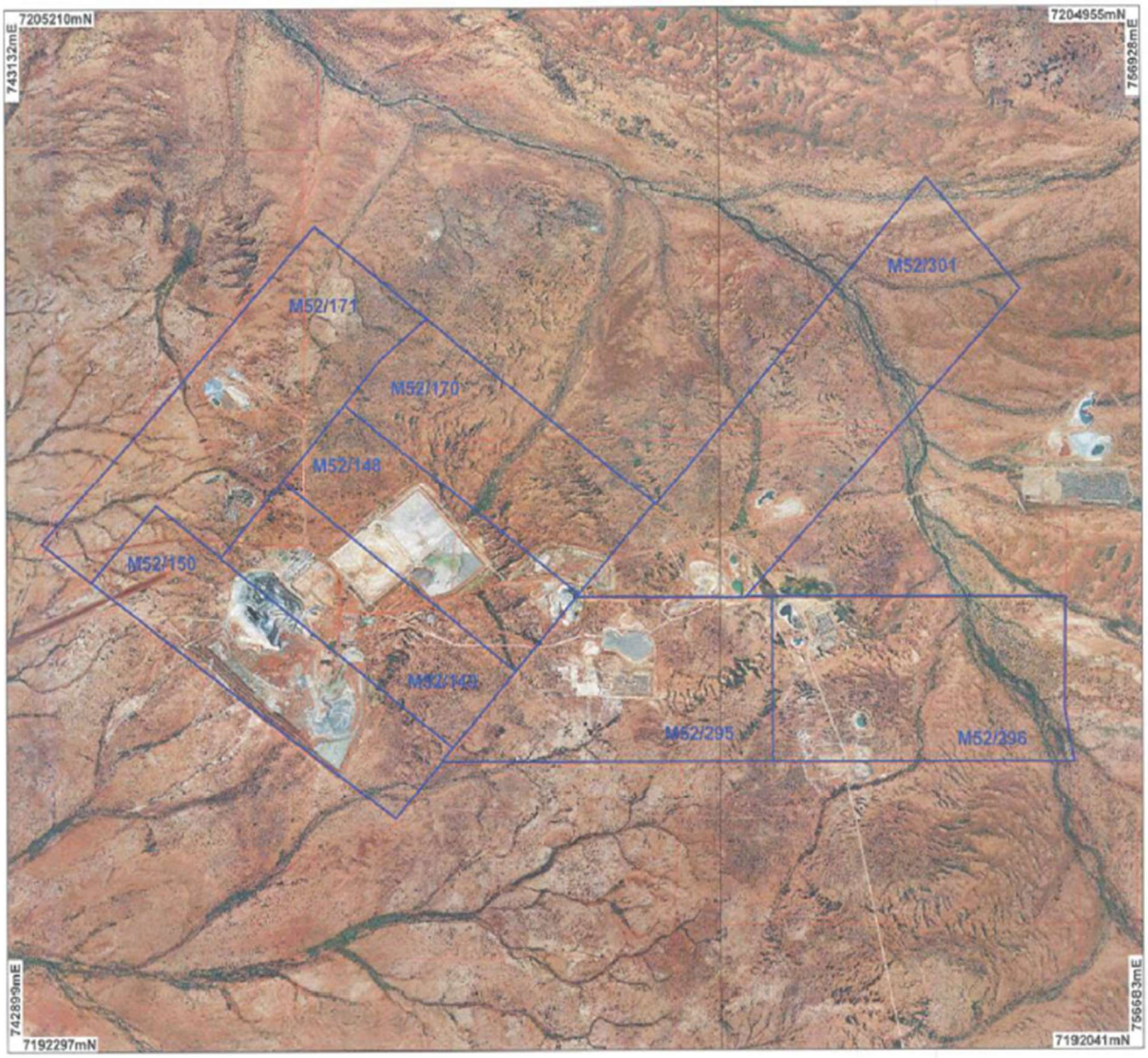

Figure 3: Map of the boundary of the prescribed premises