

Works Approval

Works approval number W2961/2025/1

Works approval holder Aragon Resources Pty Ltd

ACN 114 714 662

Registered business address Level 6

200 St Georges Terrace

PERTH WA 6000

DWER file number INS-0002961

Duration 26/08/2025 to 25/08/2028 to

Date of issue 26/08/2025

Premises details Fortnum Gold Operations

L52/172, M52/5, M52/6, M52/95, M52/96, M52/98,

M52/99, M52/125, M52/132 and M52/133

PEAK HILL WA 6642

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	1,100,000 tonnes per annual period

This works approval is granted to the works approval holder, subject to the attached conditions, on 26 August 2025, by:

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
26/08/2025	W2961/2025/1	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 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 / installation requirements

Infrastructure	Design and construction / installation requirements	Infrastructure location
TSF2 - Cell 1 and	Cell 2	
	Cell 1 embankment raise by 1.5 m from RL520m to RL521.5m.	
	Cell 2 embankment raise by 3.5 m from RL518m to RL521.5m.	
	Cell 1 embankment raise by 3.5 m from RL521.5m to RL525m.	
	Cell 2 embankment raise by 3.5 m from RL521.5m to RL525m.	
Perimeter embankments	Upstream construction methods used for each raise.	As shown in Schedule 1, Figures 2, 3 and 4
	Raised using mechanically compacted dry tailings.	
	Flattened downstream slope of 1V:4.5H, upstream slope of 1V:2H and a minimum crest width of 6 m.	
	Mine waste rock (Rip-Rap) used to provide an erosion protection capping on the downstream slope of the perimeter embankments.	
	Decant causeway:	
Existing decant causeway / tower	Raised with mine waste rock material for each lift in a centreline construction method with the following geometries:	
	 Causeway crest width = 6 m minimum (1% fall to the decant pond). 	At the location shown in Schedule 1, Figure 2
	 Angled offset = 15 m minimum width (15 m by 15 m level platform with a decant ramp of 10% maximum gradient). 	

Infrastructure	Design and construction / installation requirements	Infrastructure location
	o Side slopes = 1V:2H.	
	Decant tower:	
	Extended by stacking slotted precast concrete decant rings.	
	Decant pump and frame:	
	Installation of pump and frame.	
Spigots	Multiple spigot points around the embankment crest.	As shown in Schedule 1, Figure 6
	HDPE spigots.	,,ga c
CPTSF		
Decant facility	Decant facility comprising of a floating shallow water suction intake (such as Turret) that is connected to a pump arrangement.	At the location shown in Schedule 1, Figure 5 as Decant pump
	Decant facility to be connected to the return water pipeline.	
	HDPE tailings delivery and return water pipelines.	
	Tailings delivery and return water pipelines constructed within a v-drain.	At the locations shown
Tailings delivery and return water pipelines	Scour pits installed as required at strategic locations along the pipeline route to provide secondary containment.	in Schedule 1, Figures 5 and 6 as Deposition Line / Tailings Slurry Line and Return Water
	Flow meters installed on tailings delivery and return water pipelines.	Line
	Return water pipeline to be connected to the process water pond.	
	Four HDPE spigot pipes.	At the leastion shows in
Spigots	Spigot piping and valves connected to the tailings delivery pipeline and positioned over the CPTSF rim.	At the location shown in Schedule 1, Figure 5 as S1, S2, S3 and S4

Construction of monitoring infrastructure

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

Table 2: Infrastructure requirements – groundwater monitoring bores

Infrastructure	Design, construction, and installation requirements	Monitoring well location(s)	Timeframe
Groundwater monitoring bore(s)	Bore design and construction: Designed and constructed in accordance with ASTM D5092/D5092M-16: Standard practice for design and installation of groundwater monitoring bores. Bore screens must target the part, or parts, of the aquifer most likely to be affected by contamination¹. Where temporary/seasonal perched features are present, bores must be nested, and the perched features individually screened.	ctice CMB3 and CMB4 As depicted in Schedule 1, Figure 6 nal t be	Must be constructed, developed (purged), and determined to be operational and suitable for use prior to the commencement of deposition into CPTSF
	Logging of borehole: Soil samples must be collected and logged during the installation of the monitoring bores. A record of the geology encountered during drilling must be described and classified in accordance with the Australian Standard Geotechnical Site Investigations AS1726. Any observations of staining / odours or other indications of contamination must be included in the bore log.		
Bore construction log Bore construction det within a bore construc compliance with AST The construction logs of the top of casing poreference point for wa and the elevations of	Bore construction log: Bore construction details must be documented within a bore construction log to demonstrate compliance with ASTM D5092/D5092M-16. The construction logs shall include elevations of the top of casing position to be used as the reference point for water-level measurements, and the elevations of the ground surface protective installations.	d, n aulic ies	
	Bore development: All installed monitoring bores must be developed after drilling to remove fine sand, silt, clay and any drilling mud residues from around the bore screen to ensure the hydraulic functioning of the bore. A detailed record should be kept of bore development activities and included in the bore construction log.		
	Installation survey: the vertical (top of casing) and horizontal position of each monitoring bore must be surveyed and subsequently mapped by a suitably qualified surveyor. Bore network map: a bore location map (using aerial image overlay) must be prepared and		

Infrastructure	Design, construction, and installation requirements	Monitoring well location(s)	Timeframe
	include the location of all monitoring bores in the monitoring network and their respective identification numbers.		

Note 1: refer to Section 8 of Schedule B2 of the Assessment of Site Contamination NEPM for guidance on bore screen depth and length.

Compliance reporting

- 3. 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.
- **4.** The Environmental Compliance Report required by condition 3, must include as a minimum the following:
 - (a) certification by a suitably qualified geotechnical 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;
 - (c) photographic evidence of the installation of the infrastructure; and
 - (d) be signed by a person authorised to represent the works approval holder and contains the printed name and position of that person.
- 5. Subject to condition 3, where an item of infrastructure or component of infrastructure has been certified as not being constructed, or does not comply with 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 4(a); 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 recertification and do not constitute a material defect along with the report required by condition 4.

Compliance reporting – bore construction

- 6. The works approval holder must, within 30 calendar days of the monitoring bores in Table 2 being constructed, submit to the CEO a bore construction report evidencing compliance with the requirements of condition 2.
- 7. The works approval holder must, within 30 days of the monitoring bores in Table 2 being constructed and prior to environmental commissioning of the CPTSF, conduct baseline sampling (at least one event) on the bores in accordance with Schedule B2 (Section 5.4 and 8.2.4) of the Assessment of Site Contamination NEPM for the parameters outlined in Table 7.

Environmental commissioning phase

Environmental commissioning requirements

- 8. The works approval holder may only commence environmental commissioning of an item of infrastructure listed in condition 9 once the Environmental Compliance Report has been submitted for that item of infrastructure in accordance with condition 3 of this works approval.
- **9.** Any environmental commissioning activities undertaken for an item of infrastructure specified in Table 3 may only be carried out:
 - (a) in accordance with the corresponding commissioning requirements; and
 - (b) for the corresponding authorised commissioning duration.

Table 3: Environmental commissioning requirements

Infrastructure		Commissioning requirements	Authorised commissioning duration
СРТ	SF		
		Subject to completing the requirements of conditions 2, 6 and 7.	
1.	CPTSF	Stored water in CPTSF must be pumped to the process water pond prior to commencement of tailings deposition.	
		Subject to completing the requirements of item 1 of this table.	
	Tailings delivery and	Subject to completing the requirements of conditions 3 and 4.	For a period not exceeding 60 calendar days in
2.		Visual inspection of pipelines to check for leaks or any other issues.	aggregate.
		Flow meters to be regularly tested and calibrated in accordance with manufacturer's specifications.	
3.	Spigoto	Subject to completing the requirements of item 1 of this table.	
3.	Spigots	Subject to completing the requirements of conditions 3 and 4.	

10. During environmental commissioning, the works approval holder must ensure that the emission specified in Table 4, is discharged only from the corresponding discharge points and only at the corresponding discharge point location.

Table 4: Authorised discharge point during environmental commissioning

Emission	Discharge point	Discharge point location
Tailings	4 spigot points located around the rim of the CPTSF	As shown in Schedule 1, Figures 5 and 6

Environmental commissioning reporting

- 11. The works approval holder must submit to the CEO an Environmental Commissioning Report within 30 calendar days of the completion date of environmental commissioning for each item of infrastructure specified in Table 3.
- **12.** The works approval holder must ensure the Environmental Commissioning Report required by condition 11 of this works approval includes the following:
 - (a) a summary of the environmental commissioning activities undertaken for CPTSF including timeframes, volumes of tailings discharged into CPTSF, tailings stream solid content and water returned to the process water pond;
 - (b) a summary of the environmental performance of each item of infrastructure or equipment as constructed or installed (as applicable), which at minimum includes records detailing the:
 - (i) commissioning of the infrastructure; and
 - (ii) testing of the infrastructure.
 - (c) a review of the works approval holder's performance and compliance against the conditions of this works approval; and
 - (d) 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

- **13.** The works approval holder may only commence time limited operations for an item of infrastructure identified in condition 1:
 - (a) where the item of infrastructure is not authorised to undertake environmental commissioning, the Environmental Compliance Report as required by condition 3 has been submitted by the works approval holder for that item of infrastructure; and
 - (b) where the item of infrastructure is authorised to undertake environmental commissioning under condition 9, the Environmental Commissioning Report for that item of infrastructure as required by condition 11 has been submitted by the works approval holder.
- **14.** The works approval holder may conduct time limited operations for an item of infrastructure specified in condition 15 (as applicable):
 - (a) for a period not exceeding 180 calendar days from the day the works approval holder meets the requirements of condition 13 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 14(a).

Time limited operations requirements

During time limited operations, the works approval holder must ensure that the premises infrastructure and equipment listed in Table 5 and located at the corresponding infrastructure location is maintained and operated in accordance with the corresponding operational requirement set out in Table 5.

Table 5: Infrastructure and equipment requirements during time limited operations

Site infrastructure and equipment	Operational requirement	Infrastructure location				
TSF2 - Cell 1 and Cell 2	TSF2 – Cell 1 and Cell 2					
	 Final perimeter embankment height of RL525m. 					
	Maintain a total freeboard of 0.5 m.					
	Maintain the existing underdrainage system.					
TSF2	 Sub-aerial deposition of tailings from multiple spigots located on perimeter embankment crest. 	As shown in Schedule 1,				
1012	Decant pond located centrally and at least 50 m away from the embankments.	Figure 2				
	Central decant facility including pump maintained.					
	 Decant water to be pumped back to process water pond for reuse in the processing circuit. 					
CPTSF						
	Maintain a total freeboard of 0.5 m.					
	 Subaqueous deposition of tailings initially, converting to sub-aerial deposition into CPTSF via four spigot points. 					
CPTSF	Deposition of tailings to be in a clockwise direction allowing tailings to beach along the CPTSF access ramp.	As shown in Schedule 1, Figure 5				
	 Maintain a small decant pond (target 10% of CPTSF surface area). 					
	 Decant water to be pumped back to process water pond for reuse in the processing circuit. 					
	To be maintained as per the design and construction / installation requirements in condition 1.	As shown in Schedule 1,				
Decant facility	Decant pump arrangement to move up the access ramp as the tailings level rises.	Figure 5				
Spigots	To be maintained as per the design and construction / installation requirements in condition 1.	As shown in Schedule 1, Figures 5 and 6				

Site infrastructure and equipment	Operational requirement	Infrastructure location
TSF2 and CPTSF		
Tailings delivery and return water pipelines	 Maintain flow meters in accordance with manufacturers specifications. Immediately cease flow in the event of a leak, until the leakage is repaired. 	As shown in Schedule 1, Figure 6

16. During time limited operations, the works approval holder must ensure that the emission specified in Table 6, is discharged only from the corresponding discharge points and only at the corresponding discharge point location.

Table 6: Authorised discharge point during time limited operations

Emission	Discharge point	Discharge point location
Tailings	Multiple spigots points located around TSF2 embankment crest	As shown in Schedule 1, Figure 6
	4 spigot points located around the rim of the CPTSF	As shown in Schedule 1, Figures 5 and 6

Monitoring during time limited operations

17. The works approval holder must monitor the groundwater during time limited operations for concentrations of the identified parameters in accordance with Table 7.

Table 7: Monitoring of ambient concentrations during time limited operations³

Monitoring location	Parameter	Unit	Frequency	Method
Field measuren	nents			
CMB1, CMB2, CMB3 and	Standing Water Level ¹	mAHD	Monthly	
CMB3 and CMB4 As depicted in Schedule 1, Figure 6	pH ²	pH units	Quarterly (January, April, July, October)	Spot sample in accordance with AS/NZS 5667.1 and 5667.11
General water of	quality parameters			
CMB1, CMB2, CMB3 and CMB4 As depicted in Schedule 1, Figure 6	Total Dissolved Solids (TDS) Major Cations: Sodium (Na) Potassium (K) Calcium (Ca) Magnesium (Mg)	mg/L	Quarterly (January, April, July, October)	Spot sample in accordance with AS/NZS 5667.1 and 5667.11 By a NATA accredited laboratory

Monitoring location	Parameter	Unit	Frequency	Method	
	Major Anions: Bicarbonate (HCO ₃) Sulphate (SO ₄) Chloride (CI) Nitrate-nitrogen (NO ₃ -N) Cyanide (total)				
Metals (dissolved)					
CMB1, CMB2, CMB3 and CMB4 As depicted in Schedule 1, Figure 6	Antimony (Sb) Arsenic (As) Bismuth (Bi) Boron (B) Cadmium (Cd) Chromium (Cr) - including hexavalent chromium (Cr VI) Cobalt (Co) Copper (Cu) Iron (Fe) Lead (Pb) Manganese (Mn) Mercury (Hg) Molybdenum (Mo) Nickel (Ni) Selenium (Se) Thallium (TI) Zinc (Zn)	mg/L	Quarterly (January, April, July, October)	Spot sample in accordance with AS/NZS 5667.1 and 5667.11 By a NATA accredited laboratory	

- Note 1: Standing Water Level must be determined prior to collection of water samples.
- Note 2: In-field non-NATA accredited analysis permitted.
- Note 3: Level of detection is required to be sufficient to enable comparison with ANZECC & ARMCANZ 2000 guidelines.
- **18.** The works approval holder must ensure that:
 - (a) monthly monitoring is undertaken at least 15 days apart; and
 - (b) quarterly monitoring is undertaken at least 45 days apart.
- **19.** The works approval holder must record the results of all monitoring activity required by condition 17.

Water balance during time limited operations

- 20. The works approval holder must undertake monitoring of the water balance for TSF2 and CPTSF each monthly period, and (as a minimum) record the following information:
 - (a) site rainfall;
 - (b) evaporation rate;
 - (c) decant water recovery volumes;
 - (d) volume of tailings deposited;
 - (e) tailings solid content (w/w %);
 - (f) volume of water retained in tailings; and
 - (g) calculated seepage rates.

Inspections

21. The works approval holder must conduct visual inspections of the infrastructure during commissioning and time limited operations at the frequency specified in Table 8

Table 8: Inspections of infrastructure

Infrastructure	Type of inspection	Frequency	
TSF2 and CPTSF embankments	To confirm required freeboard capacity is available	- Daily	
Tailings delivery and return water pipelines	Integrity check / loss of containment		

Compliance reporting

- 22. 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 90 calendar days before the expiration date of the works approval, whichever is the sooner.
- **23.** The works approval holder must ensure the report required by condition 22 includes the following:
 - (a) a summary of the time limited operations, including timeframes and amount of ore processed and tailings discharged into TSF2 and CPTSF;
 - (b) interpretation of ambient groundwater monitoring results obtained during time limited operations under condition 17;
 - (c) interpretation of the water balance (condition 20), including seepage rates, and volumes of any seepage recovered;
 - (d) a summary of the environmental performance of all infrastructure as constructed or installed (as applicable), which includes records detailing the:
 - (i) operations of the infrastructure; and
 - (ii) testing of the infrastructure.
 - (e) a review of performance and compliance against the conditions of the works approval; and
 - (f) 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)

- 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 15 of this works approval;
 - (c) monitoring and inspection programmes undertaken in accordance with conditions 17 and 21; and
 - (d) complaints received under condition 24.
- **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 9 have the meanings defined.

Table 9: Definitions

Term	Definition
ACN	Australian Company Number.
ANZECC & ARMCANZ 2000	means the most recent version and relevant parts of the Australian and New Zealand guidelines for fresh and marine water quality – Volume 3 – Livestock drinking water guidelines (Australian and New Zealand Environment and Conservation Council, Agriculture and Resource Management Council of Australian and New Zealand) available at ANZECC & ARMCANZ (2000) guidelines (www.waterquality.gov.au).
Assessment of Site Contamination NEPM	means the National Environment Protection (Assessment of Site Contamination) Measure 1999, as amended from time to time.
AS1726	means the Australian Standard AS1762 Geotechnical site investigations, as amended from time to time.
AS/NZS 5667.1	means the Australian/New Zealand Standard 5667.1:1998 Water quality – Sampling – Guidance on the design of sampling programs, sampling techniques and the preservation and handling of samples.
AS/NZS 5667.11	means the Australian/New Zealand Standard 5667.11:1998 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
CPTSF	means Callies In-Pit Tailings Storage Facility.
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.

Term	Definition
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 and/or installed in accordance with the works approval.
EP Act	Environmental Protection Act 1986 (WA).
EP Regulations	Environmental Protection Regulations 1987 (WA).
HDPE	means high density polyethylene.
mAHD	means metres Australian Height Datum.
mRL	means metres Reduced Level.
NATA	means the National Association of Testing Authorities, Australia.
NATA accredited	means in relation to the analysis of a sample that the laboratory is NATA accredited for the specified analysis at the time of the analysis.
premises	the premises to which this works approval applies, as specified at the front of this works approval 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.
spot sample	means a discrete sample representative at the time and place at which the sample is taken.
suitably qualified geotechnical engineer	means a person who: (a) holds a Bachelor of Engineering recognised by the Institute of Engineers; and (b) has a minimum of five years of experience working in the area of geotechnical engineering or is otherwise approved by the CEO to act in this capacity.
time limited operations	refers to the operation of the infrastructure and equipment identified under this works approval that is authorised for that

Term	Definition
	purpose, subject to the relevant conditions.
waste	has the same meaning given to that term under the EP Act.
w/w	means weight per weight.
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).

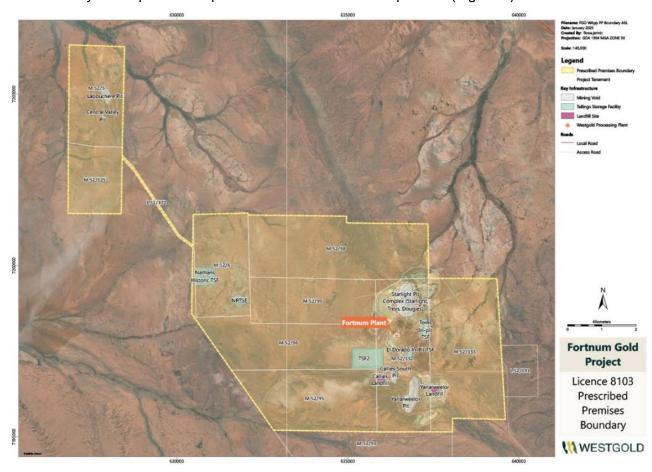


Figure 1: Map of the boundary of the prescribed premises

Infrastructure

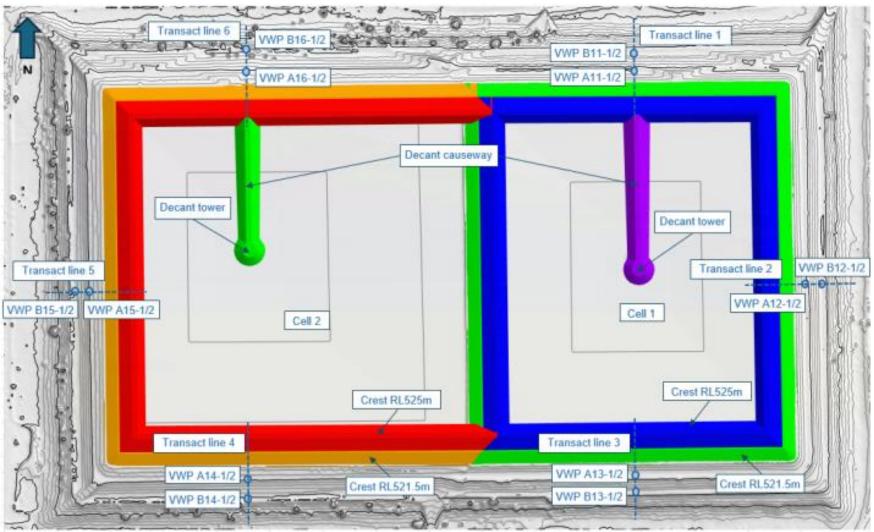


Figure 2: TSF2 to RL525m general arrangement

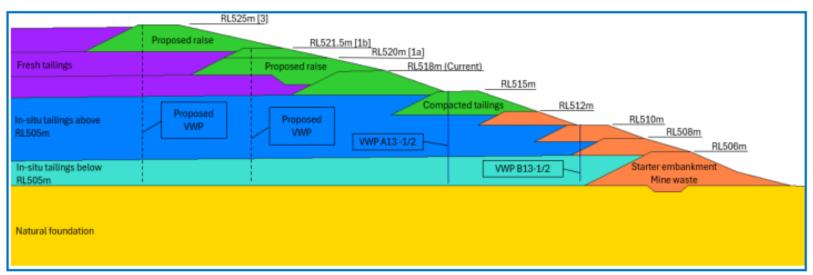


Figure 3: TSF2 Cell 1 raises

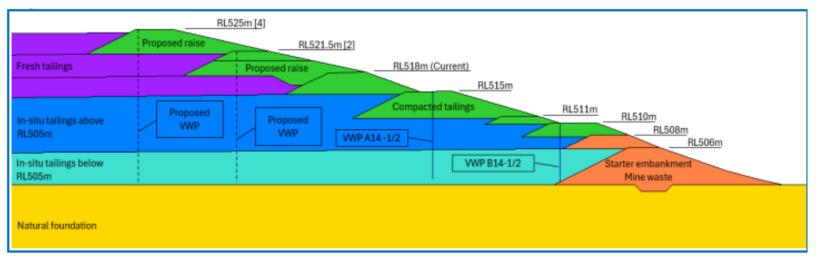


Figure 4: TSF2 Cell 2 raises

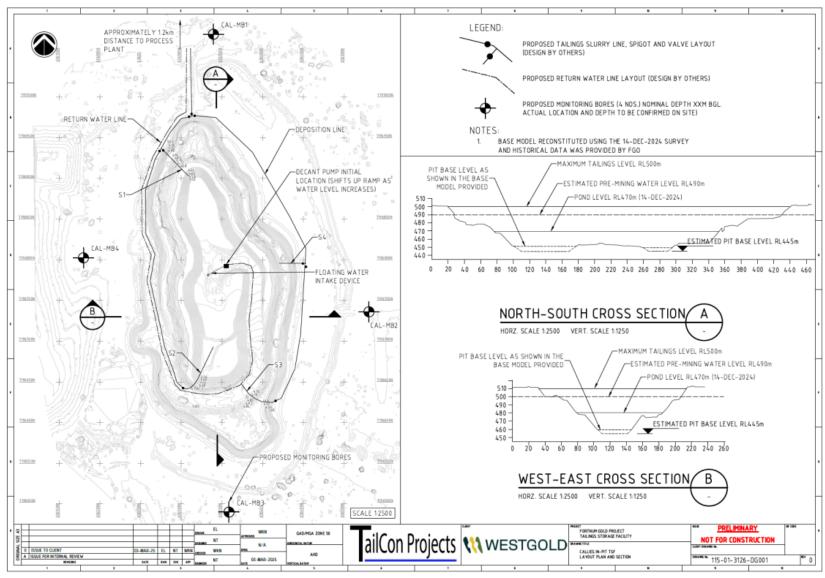


Figure 5: Indicative CPTSF layout

Monitoring



Figure 6: TSF2 and CPTSF (shown as Callies South Pit) spigots, pipeline route and monitoring bore locations