



Licence Number	L8676/2012/1
Licence Holder	AngloGold Ashanti Australia Limited
ACN	008 737 424
Registered business address	Level 13, St Martins Tower 44 St Georges Terrace PERTH WA 6000
File Number	2012/002666-3
Duration	8/02/2013 to 7/02/2026
Date of amendment	26/3/2021
Prescribed Premises	Category 5 – Processing or beneficiation of metallic or non-metallic ore Category 12 – Screening etc. of material Category 52- Electrical power generation Category 54 – Sewage facility Category 64 – Class II putrescible landfill site Category 73 – Bulk storage of chemicals etc. As defined in Schedule 2
Premises	Tropicana Gold Mine Part of mining tenement M39/1096 PLUMRIDGE LAKES WA 6431 As defined by the coordinates in Schedule 1

This Licence amendment is granted to the Licence Holder, subject to the following conditions, on 26 March 2021, by:

**/MANAGER, RESOURCE INDUSTRIES
REGULATORY SERVICES**

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

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Introduction

This Introduction is not part of the Licence conditions.

As of 1 July 2017, the Department of Environment Regulation (DER), the Office of the Environmental Protection Authority (OEPA) and the Department of Water (DoW) amalgamated to form the Department of Water and Environmental Regulation (DWER).

DWER was established under section 35 of the *Public Sector Management Act 1994* and is responsible for the administration of the *Environmental Protection Act 1986* along with other legislation.

DWER's industry licensing role

DWER is a government department for the state of Western Australia in the portfolio of the Minister for Environment. DWER's purpose is to advise on and implement strategies for a healthy environment for the benefit of all current and future Western Australians.

DWER has responsibilities under Part V of the Environmental Protection Act 1986 (the Act) for the licensing of prescribed premises. Through this process DWER regulates to prevent, control and abate pollution and environmental harm to conserve and protect the environment. DWER also monitors and audits compliance with works approvals and licence conditions, takes enforcement action as appropriate and develops and implements licensing and industry regulation policy.

Licence requirements

This Licence is issued under Part V of the Act. Conditions contained within the Licence relate to the prevention, reduction or control of emissions and discharges to the environment and to the monitoring and reporting of them.

Where other statutory instruments impose obligations on the Premises/Licence Holder the intention is not to replicate them in the licence conditions. You should therefore ensure that you are aware of all your statutory obligations under the Act and any other statutory instrument. Legislation can be accessed through the State Law Publisher website using the following link: <http://www.slp.wa.gov.au/legislation/statutes.nsf/default.html>

For your Premises relevant statutory instruments include but are not limited to obligations under the:

- *Environmental Protection (Unauthorised Discharges) Regulations 2004* – these

Regulations make it an offence to discharge certain materials such as contaminated stormwater into the environment other than in the circumstances set out in the Regulations.

- *Environmental Protection (Controlled Waste) Regulations 2004* - these Regulations place obligations on you if you produce, accept, transport or dispose of controlled waste.
- *Environmental Protection (Noise) Regulations 1997* – these Regulations require noise emissions from the Premises to comply with the assigned noise levels set out in the Regulations.

You must comply with your licence. Non-compliance with your licence is an offence and strict penalties exist for those who do not comply.

Licence holders are also reminded of the requirements of section 53 of the Act which places restrictions on making certain changes to prescribed premises unless the changes are in accordance with a works approval, licence, closure notice or environmental protection notice.

Licence fees

If you have a licence that is issued for more than one year, you are required to pay an annual licence fee prior to the anniversary date of issue of your licence. Non payment of annual licence fees will result in your licence ceasing to have effect meaning that it will no longer be valid and you will need to apply for a new licence for your Premises.

Ministerial conditions

If the Premises has been assessed under Part IV of the Act you may have had conditions imposed by the Minister for Environment. You are required to comply with any conditions imposed by the Minister.

Premises description and Licence summary

Tropicana Gold Mine (Premises) is a conventional drill and blast open pit gold mine operated by AngloGold Ashanti Australia Limited (Licence Holder). The Premises is supported by a 9,000,000 tonne per annum processing plant and secondary infrastructure. The Premises is located approximately 330 kilometres (km) east-north-east of Kalgoorlie, Western Australia. The process plant commissioning phase began in September 2013, with full operation beginning in December 2013.

The Premises is supported by numerous ancillary prescribed activities. These include:

- crushing and screening;
- electric power generation;
- class II putrescible landfill;
- used tyre storage;
- wastewater treatment plant (WWTP); and
- bulk chemical storage.

The Premises is remotely located. The nearest community centres of Laverton and Cosmo Newberry are 220km northwest of the site.

Ore from the open pits is processed through a series of crushers and ball mills prior to entering a carbon in leach circuit. Gold particles leached from the ore are adsorbed onto grains of activated carbon. The carbon is stripped of the gold particles through an acid wash process before electrowinning and smelting into gold bars.

The treated ore waste (tailings) is thickened before being discharged to a paddock style tailings storage facility (TSF).

The primary emissions from the Premises operation are:

- tailings;
- dust;
- diesel exhaust;
- off gas emissions from power generation, gold elution, carbon regeneration and smelting circuits; and
- putrescible wastes.

The licences and works approvals issued for the premises since 27 March 2008 are:

Instrument log		
Instrument	Issued	Description
W4414/2008/1	27 March 2008	Putrescible landfill works approval (category 89)
R2065/2009/1	14 April 2009	Putrescible landfill registration (exploration camp)
W4902/2011/1	12 May 2011	Putrescible landfill works approval (Tropicana operational area) (category 64)
W5021/2011/1	6 October 2011	Concrete batching works approval (category 77)
W5050/2011/1	27 October 2011	Sewage facility works approval (category 54)
R2288/2011/1	3 November 2011	Putrescible landfill registration (Tropicana operational area category 89)
W5144/2012/1	3 May 2012	Process plant works approval (categories 5, 57, 73)
W5254/2012/1	29 November 2012	TSF works approval (category 5)
W5332/2013/1	25 January 2013	Crushing and screening works approval (category 12)
L8676/2012/1	8 February 2013	Operating licence for crushing and screening, sewage facility and putrescible landfill (categories 12, 54 and 64)
W5400/2012/1	2 May 2013	Electricity generation works approval (category 52)
L8676/2012/1	9 May 2013	Licence amendment for inclusion of used tyre storage and bulk chemical storage (categories 57 and 73)
L8676/2012/1	12 December 2013	Licence amendment and conversion to the REFIRE format for the inclusion of electric power generation (category 52) and processing and beneficiation of metallic or non-metallic ore (category 5)
L8676/2012/1	4 February 2016	Licence amendment to update Premises boundary in line with new Mining Tenement grant, WWTP discharge, change to power supply, concrete batching plant, removal of ambient groundwater monitoring condition as already required by Ministerial Statement 839, addition of improvement conditions.
L8676/2012/1	20 October 2016	Licence amendment to increase capacity of the landfill to not more than 10 000 tonnes of waste per year and consequent increase in category 64. DWER administrative changes to remove conditions 1.1.5, 1.2.3 and AACR template. Expiry date changed as per the DWER amendment notice of 29 April 2016.
L8676/2012/1	26 September 2017	Licence Amendment by notice (Amendment notice 1) to authorise: <ul style="list-style-type: none"> • Construction of embankment raises to TSF to a height of 364m RL; • Change to frequency of pipelines' inspections; • Change in fuel type for gold smelting and carbon regeneration from LPG to natural gas; • Remove category 57 (storage of used tyres); • Increase the capacity of category 64 (Class II landfilling) to 20 000 tpa to authorise additional 10 000 tpa landfilling to include waste tyres/rubber;

		<ul style="list-style-type: none"> • Construction and operation of new WWTP infrastructure; • Additional chemical storage capacity under category 73; and • The installation of the gas generators has also been completed and the conditions relating to construction and commissioning of these units are now removed from the Licence.
L8676/2012/1	4 September 2019	Licence Amendment to: <ul style="list-style-type: none"> • Increase the processing plant throughput and tailings deposition rate to 9 million tonnes per annum (Mtpa) (from 8Mtpa). No additional works to the processing plant or tailings storage facility (TSF) is required to facilitate this change; • Install and operate an additional three 2MW gas fuelled generators to the sites power station bringing the total capacity to 50MW; • Removal of additional WWTP infrastructure construction requirements as compliance documentation received; and • Amalgamate Amendment Notice 1 into Licence instrument and update licence template.
L8676/2012/1	17 July 2020	Licence amendment to <ul style="list-style-type: none"> • Move monitoring bore locations outward to allow for landform expansion • Reword timeframes for compliance documents required for TSF lifts
L8676/2012/1	26 March 2021	Licence Amendment to install and operate two additional 2 MW gas fuelled generators at TGM power station bringing the total category 52 capacity to 54 MW.

Severance

It is the intent of these Licence conditions that they shall operate so that, if a condition or a part of a condition is beyond the power of this Licence to impose, or is otherwise *ultra vires* or invalid, that condition or part of a condition shall be severed and the remainder of these conditions shall nevertheless be valid to the extent that they are within the power of this Licence to impose and are not otherwise *ultra vires* or invalid.

END OF INTRODUCTION

Conditions

1 General

1.1 Interpretation

1.1.1 In the Licence, definitions from the *Environmental Protection Act 1986* apply unless the contrary intention appears.

1.1.2 For the purposes of this Licence, unless the contrary intention appears:

‘Act’ means the *Environmental Protection Act 1986*;

‘AHD’ means the Australian height datum;

‘Anniversary Date’ means 31 December of each year;

‘Annual Audit Compliance Report’ means a report in a format approved by the CEO as presented by the Licence Holder or as specified by the CEO from time to time and published on the Department’s website;

‘annual period’ means the inclusive period from 1 January until 31 December in that year;

‘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 5667.10’ means the Australian Standard AS/NZS 5667.10 *Water Quality – Sampling – Guidance on sampling of waste waters*;

‘AS/NZS 5667.11’ means the Australian Standard AS/NZS 5667.11 *Water Quality – Sampling – Guidance on sampling of groundwaters*;

‘averaging period’ means the time over which a limit is measured or a monitoring result is obtained;

‘CEO’ means Chief Executive Officer;

‘CEO’ for the purpose of notification means;

Director General
Department Administering the Act
Locked Bag 10
JOONDALUP DC WA 6919
Telephone: (08) 6364 7000
Facsimile: (08) 6364 7001
info@dwer.wa.gov.au;

‘combustible material’ means material capable of catching fire and burning; flammable and includes; wood, PVC, plastic, paper and dry grass;

‘commissioning’ means a period of time to allow for stabilisation and optimisation of the

process following input of raw materials under operation conditions.

‘controlled waste’ has the definition in *Environmental Protection (Controlled Waste) Regulations 2004*;

‘environmentally hazardous material’ means material (either solid or liquid raw materials, materials in the process of manufacture, manufactured products, products used in the manufacturing process, by-products and waste) which if discharged into the environment from or within the premises may cause pollution or environmental harm;

‘Department’ means the department established under s.35 of the *Public Sector Management Act 1994* and designated as responsible for the administration of Division 3 Part V of the *Environmental Protection Act 1986*;

DWER’ means Department of Water and Environmental Regulation;

‘freeboard’ means the distance between the maximum water surface elevations and the top of retaining banks or structures at their lowest point;

‘hardstand’ means a surface with a permeability of 10^{-9} metres/second or less;

‘HDPE’ means high density polyethylene;

‘Licence’ means this Licence numbered L8676/2012/1 and issued under the Act;

‘Licence Holder’ means refers to the occupier of the premises being the person to whom this Licence has been granted, as specified at the front of this Licence;

‘mbgl’ means metres below ground 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’ means the area defined in the Premises Map in Schedule 1 and listed as the Premises address on page 1 of the Licence;

‘quarterly’ means the four inclusive periods from 1 January to 31 March, 1 April to 30 June, 1 July to 30 September, and 1 October to 31 December;

‘Schedule 1’ means Schedule 1 of this Licence unless otherwise stated;

‘Schedule 2’ means Schedule 2 of this Licence unless otherwise stated;

‘Schedule 3’ means Schedule 3 of this Licence unless otherwise stated;

‘spot sample’ means a discrete sample representative at the time and place at which the sample is taken;

‘TSF’ means tailings storage facility;

‘waste’ has the meaning defined in the *Environmental Protection Act 1986*;

‘WWTP’ means wastewater treatment plant; and

‘µS/cm’ means microsiemens per centimetre.

1.1.3 Any reference to an Australian or other standard in the Licence means the relevant parts of the standard in force from time to time during the term of this Licence.

1.1.4 Any reference to a guideline or code of practice in the Licence means the version of that guideline or code of practice in force from time to time, and shall include any amendments or replacements to that guideline or code of practice made during the term of this Licence.

1.2 General conditions

1.2.1 The Licence Holder shall operate and maintain all pollution control and monitoring equipment to the manufacturer’s specification or any relevant and effective internal management system.

1.2.2 The Licence Holder shall immediately recover, or remove and dispose of spills of environmentally hazardous materials outside an engineered containment system.

1.3 Premises Operation

1.3.1 The Licence Holder shall only accept waste generated from the Premises and from AngloGold Ashanti related activities within the region surrounding the Premises.

1.3.2 The Licence Holder shall ensure that wastes produced on the premises are only subjected to the processes set out in Table 1.3.1 and in accordance with any process limits described in that table.

Table 1.3.1: Management of waste		
Waste type	Process	Process limits ^{1,2}
All waste except sewage and sludge	Storage, handling and disposal of waste by landfilling	<u>All wastes types</u> No more than 20 000 tonnes per year of all waste types cumulatively shall be disposed of by landfilling; Disposal of waste by landfilling shall only take place within the landfill area shown on the map of emission points in Schedule 1. Waste shall be placed in a defined trench. The active tipping area shall be restricted to a maximum linear length of 30m.
Clean Fill		
Inert Waste Type 1		
Inert Waste Type 2		
Contaminated Solid Waste		
Special Waste Type 1 (asbestos waste)		
Special Waste Type 2 (biomedical waste)		

Putrescibles		<p>The separation distance between the base of the landfill and the highest groundwater level shall not be less than 3m.</p> <p>Scrap metal, plastics, rubber, aluminium cans, pallets, mobile plant batteries, tyres and other recyclables must be stored in areas delineated by earthen windrows.</p> <p><u>Asbestos waste</u></p> <ul style="list-style-type: none"> • Only to be disposed of into a designated asbestos disposal area within the landfill; • Not to be deposited within 2m of the final tipping surface of the landfill; and • No works shall be carried out on the landfill that could lead to a release of asbestos fibres. <p><u>Biomedical waste</u></p> <ul style="list-style-type: none"> • Disposal to take place under the supervision of the licensee or their nominated representative; • Shall not to be deposited within 2m of the final tipping surface of the landfill(s); and • No works shall be carried out on the landfill(s) that could lead to biomedical and clinical wastes being excavated or uncovered.
Hazardous waste	Storage	Waste hydrocarbons shall be stored in HDPE lined and bunded compounds (or similar) or the waste oil tank, in order to prevent release to the environment.
Sewage	Biological, physical and chemical treatment	500 m ³ /day
Sewage sludge	Drying and storage	Buried in a restricted access trench with appropriate signage.
Used tyres / rubber	Burial	Used tyres and rubber shall only be buried in the waste rock dump.

Note 1: Requirements for landfilling tyres are set out in Part 6 of the *Environmental Protection Regulations 1987*.

Note 2: Additional requirements for the acceptance and landfilling of Controlled waste (including asbestos and tyres) are set out in the *Environmental Protection (Controlled Waste) Regulations 2004*.

1.3.3 The Licence Holder shall ensure that cover is applied and maintained on landfilled wastes in accordance with Table 1.3.2 and that sufficient stockpiles of cover are maintained on site at all times.

Table 1.3.2: Cover requirements ¹

Waste Type	Material	Depth	Timescales
Putrescible and other Class II waste	Inert and incombustible material	300mm	As soon as practicable, but at least weekly, after deposit
Special Waste Type 1		300mm	As soon as practicable after deposit, but at least by the end of the working shift and prior to compaction
Special Waste Type 2			
All Waste		1000mm	Within three months of closure

Note 1: Additional requirements for final cover of tyres are set out in Part 6 of the *Environmental Protection Regulations 1987*.

1.3.4 The Licence Holder shall take all reasonable and practical measures to ensure that no windblown waste escapes from the landfill area and that windblown waste is collected periodically and returned to the active tipping area.

1.3.5 The Licence Holder shall ensure that no waste is burnt on the premises.

1.3.6 The Licence Holder shall ensure that tailings, decant water, process plant stormwater and (WWTP) effluent are only discharged into containment cells with the relevant infrastructure requirements and at the locations specified in Table 1.3.3 and identified in Schedule 1.

Table 1.3.3: Containment infrastructure

Containment cell or dam number(s)	Material	Infrastructure requirements
TSF	Tailings	Lined with 200mm of compacted clay, or 150mm of compacted clay and 1.5mm HDPE liner to achieve a permeability of at least $<10^{-8}$ m/s or equivalent and $<10^{-9}$ m/s respectively.
Process water pond	Decant Water	Lined with 1.5mm HDPE liner with a permeability of $<10^{-9}$ m/s or equivalent.
Mine services pond	Treated effluent and bore water	Clay lined or similar.

Event pond	Contaminated stormwater and/or process solution	Lined with 1.5mm HDPE liner with a permeability of $<10^{-9}$ m/s or equivalent.
WWTP inlet works	Grit and screenings	Stored in a sealed bin.
Treated waste water storage pond	Sewage effluent	Lined with 1.5mm HDPE liner with a permeability of $<10^{-9}$ m/s or equivalent.
WWTP tanks	Waste water undergoing treatment	None specified.
Sewage sludge drying beds	Sewage sludge	A bunded hardstand area capable of preventing surface run-off of leachate and sludge and which returns sludge leachate to the start of the treatment process.
WWTP storage pond(s)	Untreated waste water	Lined with 1.5mm HDPE liner with a permeability of $<10^{-9}$ m/s or equivalent.

1.3.7 The Licence Holder shall ensure that water and other liquid waste that may result from fire fighting at the used tyre storage facilities is captured by bunding and prevented from entering the environment.

1.3.8 The Licence Holder shall ensure that all pipelines containing environmentally hazardous substances are either:

- (a) equipped with automatic cut-outs in the event of a pipe failure; or
- (b) provided with secondary containment sufficient to contain any spill for a period equal to the time between routine inspections

1.3.9 The Licence Holder shall maintain a minimum operational freeboard of 300mm within all holding facilities containing saline water, sewage waste water, and alkaline or cyanide constituents. This includes, but is not limited to tailings storage facilities, return water dams, raw water dams, and waste water plant effluent holding ponds.

1.3.10 The Licence Holder shall:

- (a) undertake inspections as detailed in Table 1.3.4;
- (b) where any inspection identifies that an appropriate level of environmental protection is not being maintained, take corrective action to mitigate adverse environmental consequences as soon as practicable; and
- (c) maintain a record of all inspections undertaken and make these records available to an inspector if requested.

Table 1.3.4: Inspection of infrastructure

Scope of inspection	Type of inspection	Frequency of inspection
Tailings delivery pipelines	Visual integrity	Twice daily, with at least 8 hours between inspections

Tailings return water pipelines	Visual integrity	Twice daily, with at least 8 hours between inspections
Embankment freeboard	Visual to confirm required 300mm operational freeboard	Daily
Tailings deposition	Visual assessment of beaching	Daily
Decant pond	Visual assessment of pond size and position	Daily

1.3.11 The Licence Holder shall ensure that each item of infrastructure specified in Column 1 of Table 1.3.5 is constructed in accordance with the requirements specified in Column 2 of Table 1.3.5.

Table 1.3.5: Construction Requirements	
Column 1	Column 2
Infrastructure	Requirements
TSF perimeter embankment raises from 354m RL to 364m RL	<ul style="list-style-type: none"> • each sub-raise height 2m, completed in batches of 3 sub-raises totalling 6m • Zone A material to be placed on the inner wall of the embankment
TSF decant raises	<ul style="list-style-type: none"> • No height increment specified
Extensions to the TSF decant liner	<ul style="list-style-type: none"> • 1.5 mm width HDPE geomembrane • To be placed within the decant zone on Zone A material • No height increment specified
Extension of underdrainage riser pipe	<ul style="list-style-type: none"> • To be extended with each perimeter embankment raise as required
Installation of two new 2 MW gas generators (Cummins QSV91 C2000 N5C) referenced as generator 25 & 26.	<ul style="list-style-type: none"> • Installation of two (2) new 2 MW Cummins QSV91 C2000 N5C gas generators • Expansion of power station shed and control room

1.3.12 The Licence Holder shall ensure that, where treated effluent or saline water is used for dust suppression, it is applied so as to avoid damage to surrounding vegetation.

1.3.13 The Licence Holder shall ensure that any water draining from the concrete batch plant is contained within a lined slurry pit, settling pond, or silt trap.

1.3.14 The Licence Holder must not depart from the requirements specified in Table 1.3.5 except:

- (a) where such departures are minor in nature and do not materially change or affect the infrastructure; or
- (b) where such departure improves the functionality of the infrastructure and does not increase the risks to public health, public amenity or the environment.

If condition 1.3.14 (b) applies, then the Licence Holder must provide the CEO with a list of departures and demonstrate that these have not increased the risk to public health, public amenity or the environment.

- 1.3.15 The Licence Holder shall not commence commissioning of the upgraded power station until the construction compliance document has been submitted in accordance with condition 4.2.3.

2 Emissions

2.1 General

- 2.1.1 The Licence Holder shall record and investigate the exceedance of any descriptive or numerical limit specified in any part of section 2 of this Licence.

2.2 Point source emissions to air

- 2.2.1 The Licence Holder shall ensure that where waste is emitted to air from the emission points in Table 2.2.1 and identified on the map of emission points in Schedule 1 it is done so in accordance with the conditions of this Licence.

Table 2.2.1: Emission points to air			
Emission point reference	Emission Point	Emission point height (m)	Source, including any abatement
A1 – A4	Tropicana power station diesel exhaust stacks 1 – 4	9.1	Cummins QSK78 G9 diesel generator (x 4)
A5 – A26	Tropicana power station gas exhaust stacks 5 – 26	9 .6	Cummins QSV91 C2000 N5C gas generator (x21) Cummins QSV91 LT1750 gas generator (x1)
Carbon Regen	Carbon regeneration kiln stack	28.8	Carbon regeneration kiln
Gold room	Gold furnace stack	16.6	Gold furnace

3 Monitoring

3.1 General monitoring

- 3.1.1 The Licence Holder shall ensure that:
- (a) all water samples are collected and preserved in accordance with AS/NZS 5667.1;
 - (b) all wastewater sampling is conducted in accordance with AS/NZS 5667.10;
 - (c) all groundwater sampling is conducted in accordance with AS/NZS 5667.11; and
 - (d) all laboratory samples are submitted to and tested by a laboratory with current NATA accreditation for the parameters being measured.
- 3.1.2 The Licence Holder shall ensure that quarterly monitoring is undertaken at least 45 days apart.
- 3.1.3 The Licence Holder shall ensure that all monitoring equipment used on the Premises to comply with the conditions of this Licence is calibrated in accordance with the manufacturer's specifications and the requirements of the Licence.

- 3.1.4 The Licence Holder shall, where the requirements for calibration cannot be practicably met, or a discrepancy exists in the interpretation of the requirements, bring these issues to the attention of the CEO accompanied with a report comprising details of any modifications to the methods.

3.2 Ambient environmental quality monitoring

- 3.2.1 The Licence Holder shall undertake the monitoring in Table 3.2.1 according to the specifications in that table and record and investigate results that do not meet any limit specified.

Table 3.2.1 Monitoring of ambient groundwater quality					
Monitoring point reference and location on maps in Schedule 1	Parameter	Limit	Units	Averaging period	Frequency
TSFMB001D TSFMB001S TSFMB002D TSFMB002S TSFMB005D TSFMB005S TSFMB006D TSFMB006S TSFMB007D TSFMB007S TSFMB008D TSFMB008S TSFMB075S TSFMB075D TSFMB076S TSFMB076D TSFMB077S TSFMB077D	Standing water level ¹	4	Metres below ground level (mBGL)	Spot sample	Quarterly
	pH ²		pH units		
	Cyanide (WAD)		mg/L		
	Electrical conductivity ²		µS/cm		
	Sulfate chloride ratio		-		
	Total dissolved solids		mg/L		
	Bicarbonate				
	Nitrate				
	Sulphate				
	Chloride				
	Arsenic				
	Barium				
	Boron				
	Cadmium				
	Calcium				
	Chromium				
	Cobalt				
	Copper				
	Iron				
	Lead				
	Magnesium				
	Manganese				
	Mercury				
	Nickel				
	Sodium				
	Zinc				

Note 1: Standing water level shall be determined prior to collection of other water samples.

Note 2: In field non NATA accredited analysis permitted.

4 Information

4.1 Records

- 4.1.1 All information and records required by the Licence shall:
- (a) be legible;
 - (b) if amended, be amended in such a way that the original and subsequent amendments remain legible or are capable of retrieval;
 - (c) except for records listed in 4.1.1(d) be retained for at least 6 years from the date the records were made or until the expiry of the Licence or any subsequent licence; and
 - (d) for those following records, be retained until the expiry of the Licence and any subsequent licence:
 - (i) off-site environmental effects; or
 - (ii) matters which affect the condition of the land or waters.
- 4.1.2 The Licence Holder shall ensure that:
- (a) any person left in charge of the Premises is aware of the conditions of the Licence and has access at all times to the Licence or copies thereof; and
 - (b) any person who performs tasks on the Premises is informed of all of the conditions of the Licence that relate to the tasks which that person is performing.
- 4.1.3 The Licence Holder shall submit to the CEO within 90 days after the Anniversary Date, an Annual Audit Compliance Report indicating the extent to which the Licence Holder has complied with the Conditions in this Licence for the Annual Period.
- 4.1.4 The Licence Holder shall implement a complaints management system that as a minimum records the number and details of complaints received concerning the environmental impact of the activities undertaken at the Premises and any action taken in response to the complaint.

4.2 Reporting

- 4.2.1 The Licence Holder shall submit to the CEO an Annual Environmental Report within 90 calendar days after the end of the annual period. The report shall contain the information listed in Table 4.2.1 in the format or form specified in that table.

Table 4.2.1: Annual Environmental Report		
Condition or table (if relevant)	Parameter	Format or form
-	Summary of any failure or malfunction of any pollution control equipment and any environmental incidents that have occurred during the annual period and any action taken	None specified
-	Operating hours for diesel generators	As a percentage of the total operating time for all generators
Condition 3.2.1 (Table 3.2.1)	Ambient groundwater quality monitoring data	None specified
4.1.3	Compliance	Annual Audit Compliance Report (AACR)
4.1.4	Complaints summary	None specified

- 4.2.2 The Licence Holder shall ensure that the Annual Environmental Report also contains an assessment of the information contained within the report against previous monitoring results and Licence limits.
- 4.2.3 The Licence Holder shall submit construction compliance document(s) to the CEO within 60 days of the completion of the following items of infrastructure, indicating construction in accord with condition 1.3.11:
- (a) each 6m raise of the TSF perimeter embankment including construction of any related ancillary TSF infrastructure; and
 - (b) installation and commissioning of each ~~three~~ 2 MW gas generators 25 & 26.
- 4.2.4 The Licence Holder must ensure the construction compliance document(s) referred to in condition 4.2.3:
- (a) are certified by a suitably qualified professional engineer stating that each item of infrastructure specified in Table 1.3.5 has been constructed or completed in accordance with the conditions of the Licence; and
 - (b) are signed by a person authorised to represent the Licence Holder and contain the printed name and position of that person within the company.

4.3 Notification

- 4.3.1 The Licence Holder shall ensure that the parameters listed in Table 4.3.1 are notified to the CEO in accordance with the notification requirements of the table.

Table 4.3.1 : Notification requirements			
Condition or table (if relevant)	Parameter	Notification requirement ¹	Format or form ²
3.2.1	Breach of any limit specified in the Licence	Part A: As soon as practicable but no later than 5pm of the next usual working day.	N1
3.1.4	Calibration report	As soon as practicable.	None specified

Note 1: Notification requirements in the Licence shall not negate the requirement to comply with s72 of the Act

Note 2: Forms are in Schedule 3

Schedule 1: Maps

Premises map

The Premises is shown in the map below. The red line depicts the Premises boundary. The boundary is located within Mining Tenement M39/1096 and has the following coordinates: 646000E, 6770900N; 646000E, 6758500N; 654900E, 6758500N; and 654900E, 6770900N.



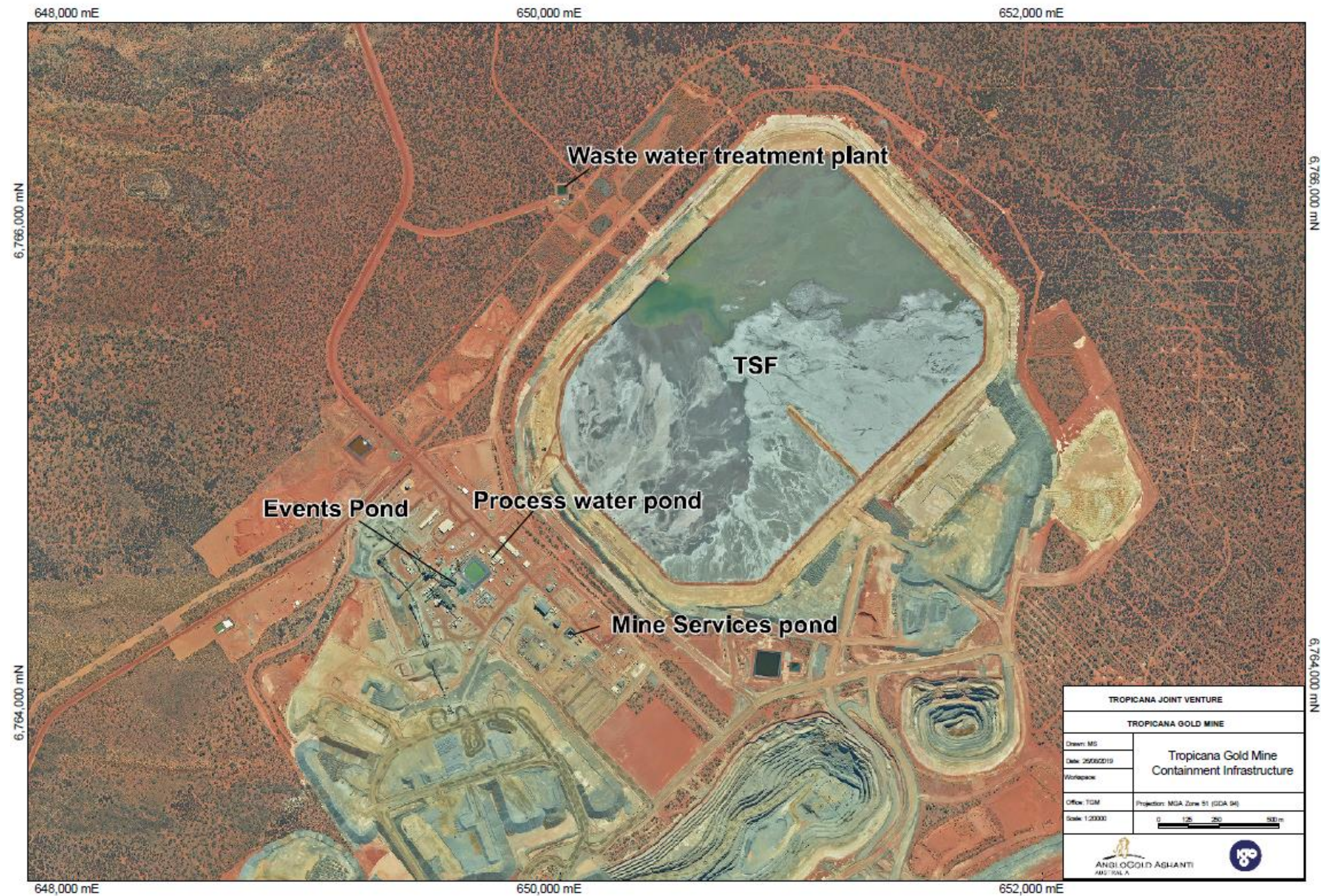
Map of emission points

The locations of the emission points defined in Table 2.2.1 is shown below



Map of storage locations

The locations of the storage areas defined in Table 1.3.3 are shown in the maps below.

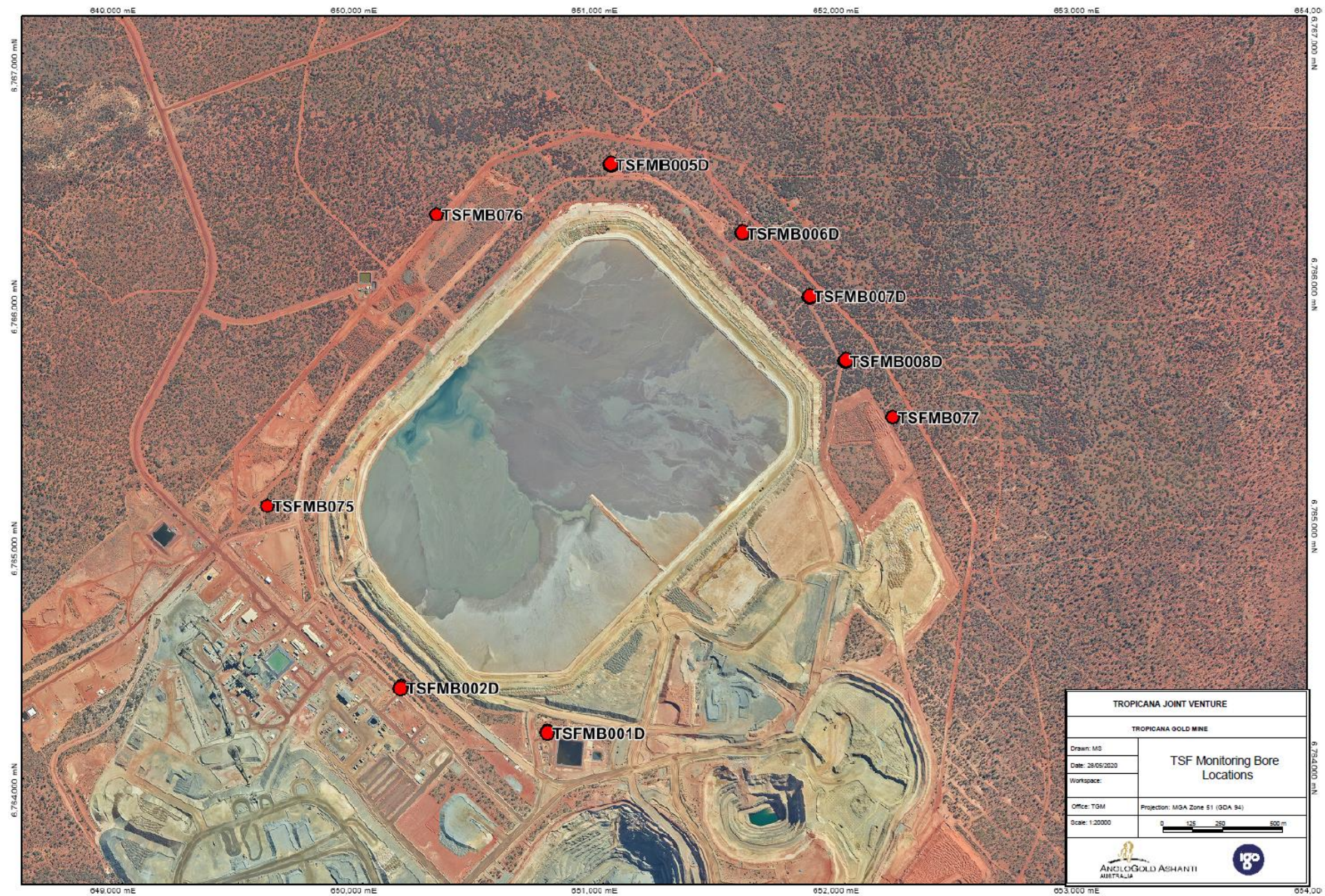






Map of monitoring points

The locations of the monitoring points defined in Table 3.2.1 is shown in the maps below



Schedule 2: Prescribed Premises Categories

The Premises prescribed categories under schedule 1 of *Environmental Protection Regulation 1987*

Prescribed Premises categories

Category number	Category Description	Category production or design capacity	Approved Premises production or design capacity
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.	50 000 tonnes or more per year	9 000 000 tonnes per annual period
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.	50 000 tonnes or more per year	Not more than 5 000 000 tonnes per annual period
52	Electric power generation: premises (other than premises within category 53 or an emergency or standby power generating plant) on which electrical power is generated using a fuel.	20 MW or more in aggregate (using natural gas) 10 MW or more in aggregate (using a fuel other than natural gas)	54 MW
54	Sewage facility: premises – a) on which sewage is treated (excluding septic tanks); or b) from which treated sewage is discharged onto land or into waters.	100 m ³ or more per day	500 m ³ per day
64	Class II putrescible landfill site: premises on which waste (as determined by reference to the waste type set out in the document entitled "Landfill Waste Classification and Waste Definitions 1996" published by the Chief Executive Officer and as amended from time to time) is accepted for burial.	20 tonnes or more per year	Not more than 20 000 tonnes per year
73	Bulk storage of chemicals, etc: premises on which acids, alkalis or chemicals that – (a) contain at least one carbon to carbon bond; and (b) are liquid at STP (standard temperature and pressure), are stored.	1000 m ³ in aggregate	6 250 m ³

Schedule 3: Reporting & notification forms

These forms are provided for the proponent to report monitoring and other data required by the Licence. They can be requested in an electronic format.

Licence: L8676/2012/2
Form: N1

License Holder: AngloGold Ashanti Australia Limited
Date of breach:

Notification of detection of the breach of a limit.

These pages outline the information that the operator must provide.

Units of measurement used in information supplied under Part A requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

Part A

Licence Number	
Name of operator	
Location of Premises	
Time and date of the detection	

Notification requirements for the breach of a limit	
Emission point reference/ source	
Parameter(s)	
Limit	
Measured value	
Date and time of monitoring	
Measures taken, or intended to be taken, to stop the emission	

Name	
Post	
Signature on behalf of AngloGold Ashanti Australia Limited	
Date	