



Annual Audit Compliance Report Form

Environmental Protection Act 1986, Part V Division 3

Once completed, please submit this form either via email to info@dwer.wa.gov.au, or to the below postal address:

Department of Water and Environmental Regulation
Locked Bag 10
Joondalup DC WA 6919

Section A – Licence details			
Licence number:	L8676/2012/1	Licence file number:	2012/002666-3
Licence holder name:	AngloGold Ashanti Australia Limited		
Trading as:	N/A		
ACN:	008 737 424		
Registered business address:	Level 10 140 St Georges Terrace PERTH WA 6000		
Reporting period:	01/01/2022 to 31/12/2022		

Section B – Statement of compliance with licence conditions
Did you comply with all of your licence conditions during the reporting period? (please tick the appropriate box)
<input type="checkbox"/> Yes – please complete: <ul style="list-style-type: none">• section C;• section D (if required); and• sign the declaration in Section F.
<input checked="" type="checkbox"/> No – please complete: <ul style="list-style-type: none">• section C;• section D (if required);• section E; and• sign the declaration in Section F.

Section C – Statement of actual production	
Provide the actual production quantity for this reporting period. Supporting documentation is to be attached.	
Prescribed premises category	Actual production quantity
5	9,627,824 tonnes
12	1,645,595 tonnes
52	54 MW
54	Daily average - 168 m ³ Total throughput - 61,647 m ³
64	14,391 tonnes
73	As per the approved capacity

Section D – Statement of actual Part 2 waste discharge quantity	
Provide the actual Part 2 waste discharge quantity for this reporting period. Supporting documentation is to be attached.	
Prescribed premises category	Actual Part 2 waste discharge quantity
Tailings	9,627,824 tonnes

Section E – Details of non-compliance with licence condition			
Please use a separate page for each condition with which the licence holder was non-compliant at a time during the reporting period.			
Condition no:	1. The Licence Holder must operate and maintain all pollution control and monitoring equipment to the manufacturer's specification or any relevant and effective internal management system.	Date(s) of non-compliance:	Various times throughout the reporting period.
Details of non-compliance:			
Pollution control equipment that was a) not operational, b) failed or c) was not maintained to the standard as intended by this condition includes:			
<ul style="list-style-type: none"> • Dust Scrubbers within the processing plant; <ul style="list-style-type: none"> ○ Dust Scrubbers within the crushing circuit of the processing plant experienced a delayed return to service following equipment failure during Q1, Q2 and Q3 of the reporting period. • Tailings Storage Facility liner; <ul style="list-style-type: none"> ○ The operation of the TSF has been observed to have a localised impact to groundwater quality and groundwater levels historically and during the reporting period. 			
What was the actual (or suspected) environmental impact of the non-compliance?			
NOTE – please attach maps or diagrams to provide insight into the precise location of where the non-compliance took place.			

Section E – Details of non-compliance with licence condition

DUST SCRUBBERS

- Due to the physical location of this infrastructure within the broader disturbed footprint, there has been no observable impact on any environmental receptors, including vegetation (Figure 1).



Figure 1 Location of Dust Scrubbers within the TGM Processing Plant

TAILINGS STORAGE FACILITY

- Localised changes in groundwater quality are not considered to have had any detrimental impact to environmental values. The existing groundwater environment is typically saline to hypersaline and has no known beneficial users.
- Groundwater levels surrounding the TSF were observed to stabilise and/or decline during the reporting period due to the ongoing implementation of the TGM Seepage Mitigation Project. The current groundwater levels were not observed to have any impacts on environmental receptors, including vegetation.
 - Monitoring of vegetation condition in proximity to operational areas has not identified any impacts to vegetation health associated with changes in groundwater quality or groundwater levels.

Section E – Details of non-compliance with licence condition

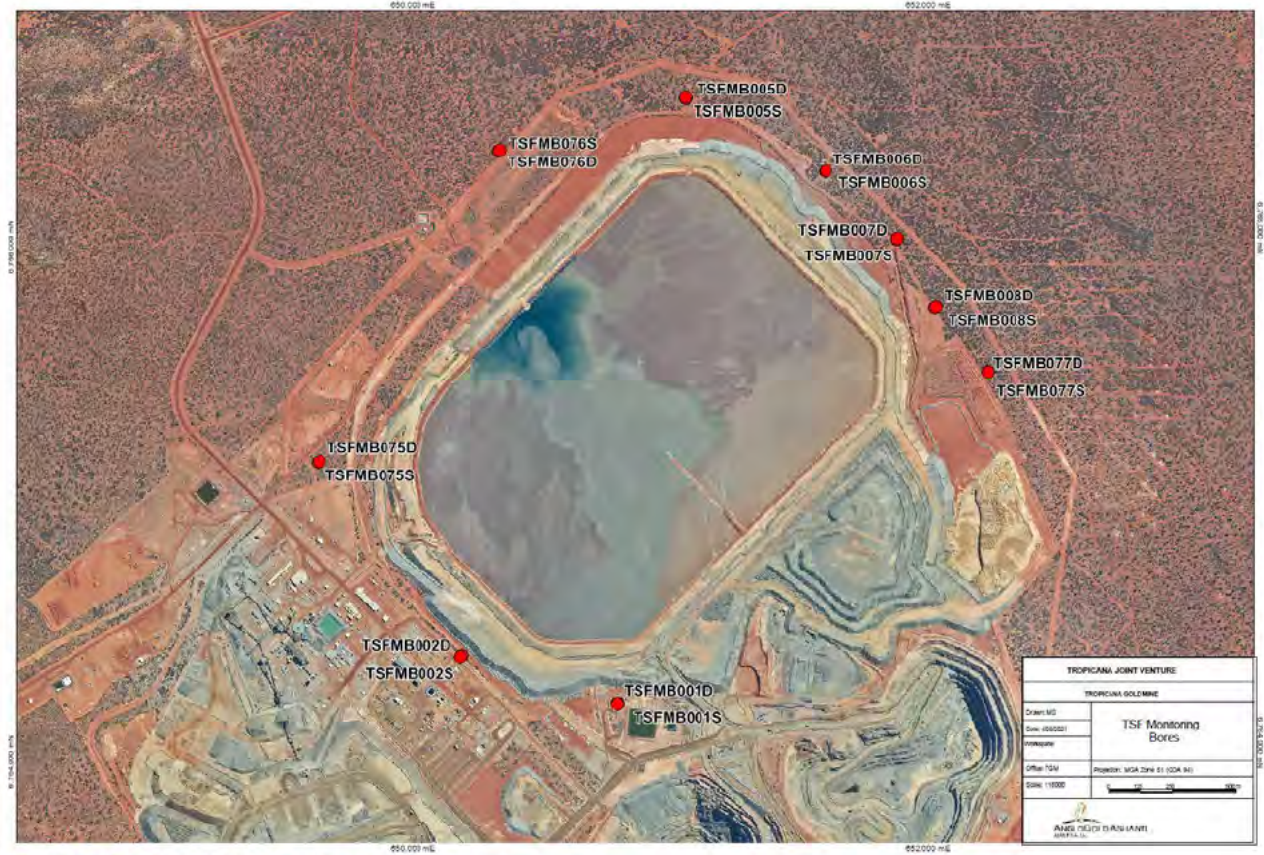


Figure 2 TSF Monitoring Bore Locations

Cause (or suspected cause) of non-compliance:

DUST SCRUBBERS

- The unexpected downtime for the dust scrubbers was due to mechanical faults induced by material buildup on the fan blades.

TAILINGS STORAGE FACILITY

- The cause/s of the localised change in groundwater levels and quality from the TSF have been attributed to the hydraulic head within the TSF and suspected increased permeability of the compacted clay liner compared to design.

Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:

DUST SCRUBBERS

Actions completed during 2022 include:

- A review of the Scrubber system by a third-party contractor established items to reduce downtime.
- Items identified by the review have been implemented, and continued monitoring will establish the efficiency of the improvements;
 - Increased inspection regime,
 - Servicing and repairs to crushing and screening areas to reduce material build-up.

These reviews occurred during Q1 and Q2 of 2022, and Q4 saw a significant increase in Dust Scrubber Reliability.

Section E – Details of non-compliance with licence condition

TAILINGS STORAGE FACILITY

Actions undertaken during 2022 include:

- Ongoing groundwater monitoring of water levels and water quality around the TSF.
- Ongoing implementation of the Seepage Mitigation Project. At the end of 2022, 29 groundwater recovery bores were in operation around the perimeter of the TSF.
 - 20 recovery bores discharged groundwater to the Raw Water Dam,
 - 8 bores discharged to the Main Mine Dam, and
 - 1 bore discharged to the Processing Plant Event Pond.
- Water exploration drilling was conducted along the north and western sides of the TSF during July - August for the purpose of constructing new Recovery Bores in the future.
- Installation of seven Vibrating Wire Piezometers (VWPs) around the crest of the TSF to improve understanding of the in-situ tailings parameters and pore pressure distribution/seepage regime across the tailing's basin.
- Optimisation of the borefield throughout the year, including cleaning (airlifting and jetting) several bores and general testing for iron bacteria contents.
- During the reporting period the following changes were made to the TSF recovery bore network:
 - TSFRB083 and TSFRB083 bores were commissioned along the western side of the TSF.
 - Bores TSFRB089 and TSFRB090 were commissioned in early 2022 adjacent to the underdrainage riser, northeastern corner of the TSF.
 - 3 additional recovery bores are planned to enter operations in 2023.

Was this non-compliance previously reported to DWER?

Yes, and

Reported to DWER verbally

Date: / /

Reported to DWER in writing

Date: 31/03/2021

Section E – Details of non-compliance with licence condition			
Please use a separate page for each condition with which the licence holder was non-compliant at a time during the reporting period.			
Condition no:	9. The Licence Holder must 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 3 and identified in Figure 3 and Figure 4 of Schedule 1.	Date(s) of non-compliance:	Various times throughout the reporting period.
Details of non-compliance:			
Throughout the reporting period, the following containment devices did not sufficiently contain the material as required by Condition 9 for the following locations: <ul style="list-style-type: none"> • Tailings Storage Facility. Refer to the previous Non-Compliance report for Condition 1 for details.			
What was the actual (or suspected) environmental impact of the non-compliance?			
NOTE – please attach maps or diagrams to provide insight into the precise location of where the non-compliance took place.			
Refer to the previous Non-Compliance report for Condition 1 for details.			
Cause (or suspected cause) of non-compliance:			
Refer to the previous Non-Compliance report for Condition 1 for details.			
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:			
Refer to the previous Non-Compliance report for Condition 1 for details.			
Was this non-compliance previously reported to DWER?			
<input checked="" type="checkbox"/> Yes, and			
<input type="checkbox"/> Reported to DWER verbally		Date: / /	
<input checked="" type="checkbox"/> Reported to DWER in writing		Date: 31/03/2021	



Section E – Details of non-compliance with licence condition

Please use a separate page for each condition with which the licence holder was non-compliant at a time during the reporting period.

Condition no:	11. The Licence Holder must maintain a minimum operational freeboard of 300mm within all holding facilities containing saline water, sewage wastewater, and alkaline or cyanide constituents. This includes, but is not limited to tailings storage facilities, return water dams, raw water dams, and wastewater plant effluent holding ponds.	Date(s) of non-compliance:	2 June 2022
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Details of non-compliance:

The minimum Operational freeboard was not maintained as required by Condition 11 for the following locations:

- The Central Mine Dam overtopped on 2nd June 2022, releasing saline/hypersaline water to previously disturbed land within the active mining area. The release was contained and immediately cleaned up after the incident.

What was the actual (or suspected) environmental impact of the non-compliance?

NOTE – please attach maps or diagrams to provide insight into the precise location of where the non-compliance took place.

No adverse environmental effects have resulted from the operational freeboard non-compliance. The Central Mine Dam shown in Figure 3, lies within the active mine area, due to the physical location of this infrastructure within the broader disturbed footprint, there has been no observable impact to any environmental receptors.



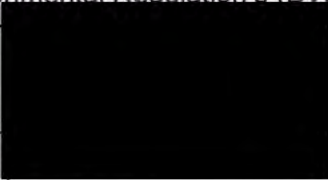
Figure 3 Central Mine Dam

Section E – Details of non-compliance with licence condition	
Cause (or suspected cause) of non-compliance:	
<p>The cause of the overtopping event at the Central Mine Water Dam (CMD) has been attributed to Operator Error and a malfunction of the auto-valve linked to high level alarms and sensors on the dam:</p> <ul style="list-style-type: none"> • High saline water level alarms were acknowledged by Mill control however were not escalated to the department responsible for maintaining the CMD. • The auto valve linked to the high-level alarms attempted to close but faulted and did not close, allowing water to keep flowing into the CMD. 	
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:	
<p>Actions completed during the 2022 reporting period include:</p> <ul style="list-style-type: none"> • Faulty Auto valve replaced. • Revised the procedure for the escalation process from mill control to the dewatering team when the high saline water level alarm initiates. • Implementation of the Dewatering team conducting monthly inspections on the Mine water dams and valves. 	
Was this non-compliance previously reported to DWER?	
<input type="checkbox"/> Yes, and	
<input type="checkbox"/> Reported to DWER verbally	Date: / /
<input checked="" type="checkbox"/> Reported to DWER in writing	Date: 31/03/2023

Section F – Declaration

I / We declare that the information in this Annual Audit Compliance Report is true and correct and is not false or misleading in a material particular¹.

I / We consent to the Annual Audit Compliance Report being published on the Department of Water and Environmental Regulation's (DWER) website.

Signature ² :		Signature:	
Name: (printed)		Name: (printed)	
Position:	General Manager, Tropicana Gold Mine	Position:	
Date:	29/03/2023	Date:	
Seal (if signing under seal):			

¹ It is an offence under section 112 of the *Environmental Protection Act 1986* for a person to give information on this form that to their knowledge is false or misleading in a material particular.

² AACRs can only be signed by the licence holder or an authorised person with the legal authority to sign on behalf of the licence holder.

Prescribed Premise Category 5

Processing Plant Monthly Throughput

2022	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Monthly Throughput (dry tonnes)	840996	669412	850517	824736	830305	730676	853692	855317	766901	850943	698493	855836

Data supplied by Process Management Reporting System (Citec) on a monthly basis.

Prescribed Premise Category 12

Crushing and Screening Plant Monthly Throughput

2022	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Monthly Total (tonnes)	132922	114966	133415	128725	132632	115939	122744	142073	144019	170614	129763	177783

Data provided by the contractor (Cape Crushing) on a monthly basis.

Prescribed Premise Category 54

Waste Water Treatment Plant Monthly Throughput

2022	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Sewage Throughput MTD (kL)	4530	4629	4,291	4,831	4,765	5,297	5158	5472	5110	5747	6437	5380
Daily average (kL)	146.1	165.3	138.4	161.0	153.7	176.6	171.9	176.5	170.3	185.4	214.6	173.5

Data supplied from the Process Management Reporting System (Citec) on a monthly basis.

Prescribed Premise Category 64

Landfill Monthly Throughput

2022	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
General Waste (m ³)	962	874	878	830	808	873	950	990	860	1022	921	787
Putrescible Waste (m ³)	198	180	180	180	198	198	192	185	180	182	195	181
Biosolids (m ³)	6	12	18	24	12	51	27	54	42	33	24	18
Total General Waste (tonnes)	1058.2	961.4	965.8	913.0	888.8	960.3	1045.0	1089.0	946.0	1124.2	1013.1	865.7
Putrescible Waste (tonnes)	79.2	72.0	72.0	72.0	79.2	79.2	76.8	74.0	72.0	72.8	78.0	72.4
Biosolids (tonnes)	6.6	13.2	19.8	26.4	13.2	56.1	29.7	59.4	46.2	36.3	26.4	19.8
LV Tyres (tonnes)	0.5	0.8	0.8	0.6	0.3	0.8	0.7	0.7	0.9	0.4	0.8	1.8
HV Tyres (tonnes)	108	93	104	143	84	103	72	129	144	107	120	93
TOTAL (tonnes)	1253	1140	1163	1155	1066	1200	1224	1352	1209	1340	1238	1052

Data is conservatively collected in cubic metres and converted to tonnes based on the Waste Avoidance and Resource Recovery Levy Regulations 2008.