



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:	L8306/2008/3	Licence file number:	2013/002375-2
Licence holder name:	Newmont Boddington Gold Pty Ltd		
Trading as:	Newmont Boddington Gold Pty Ltd		
ACN:	101 199 731		
Registered business address:	Newmont Australia, Level 5, 500 Hay Street Subiaco, WA, 6008.		
Reporting period:	01 / 01 / 2023 to 31 / 12 / 2023		

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)

☐ Yes – please complete:

- section C;
- section D (if required); and
- sign the declaration in Section F.

☒ No – please complete:

- 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 Processing or beneficiation of metallic or non-metallic ore	36.47 Mt of metallic ore processed in 2023
6 Mine dewatering	4131 ML in 2023
33 Chemical blending or mixing	33,119 tonnes in 2023
54 Sewage facility	91,653 m ³ , equivalent of 251 m ³ /day
57 Used tyre storage (general)	0 (used tyres are either buried in the WRD or removed from site for recycling, not stored).
63 Class 1 inert landfill site	315.74 tonnes to landfill in 2023

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
73 Bulk storage of chemicals	5499 m ³

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 deposition	36.47 Mt of residue was deposited in the F1 RDA in 2023.

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:	4	Date(s) of non-compliance:	5 April 2023
Details of non-compliance:			
Process water spill outside of the NBG Process Water Pond and adjacent earthen road (outside of containment). The process water is returned decant water from the F1 RDA and the water released had a WAD CN reading of 0.84 ppm. Approximately 5000 litres was released.			
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.			
The process water spill may have resulted in contamination of local soils. No vegetated areas were impacted. Figure 1 and Plate 1 below shows the location of the spill along the Process Water Pond Access Road.			
Cause (or suspected cause) of non-compliance:			
<p>The process water leak was caused by a leak in a spool/valve at the process water compound. Following replacement it was found that the flange face of the poly spool at the pipe junction was scalloped, leading to the leak.</p> <p>The spool in question was last replaced in 2016, and misting had been noted several days prior to the spill. The spool had been earmarked for replacement prior to the spill, however fabrication of a new spool was required as the spools had no critical spares available.</p>			
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:			
<p>The pipe was isolated to stop discharge, and the area barricaded. Samples of the released water were taken for analysis, and an earthen bund was put in place to contain the spill within the Process Water Pond compound.</p> <p>A temporary replacement spool was fabricated and installed, prior to installation of a new spool and return of process water to the system.</p>			
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: 06/04/2023	



Figure 1: Location of Process Water Spill



Plate 1: Process Water Spill

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:	4	Date(s) of non-compliance:	15 October 2023
Details of non-compliance:			
A leak in the destruction return line at the back of the carbon-in-leach (CIL) containment sump led to the release of process water to ground, where it then flowed into a concrete drain culvert and into the CIL containment pond. Samples returned a WAD CN reading of 0.71 ppm, and approximately 28,000 L was released, with the majority of this flowing into the CIL containment sump.			
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.			
The process water spill may have resulted in contamination of local soils. No vegetated areas were impacted.			
Cause (or suspected cause) of non-compliance:			
<p>The spill was caused by a crack in a double lined pipe (pipe within a pipe).</p> <p>A Five-Why investigation into the cause of the crack was undertaken. It was found that a similar pipe failure had occurred in 2018, and when this was replaced, the new pipeline was not supported correctly, as a 120 degree elbow was resting on wooden gluts at the bottom of a hill. Over time, the wood has rotted away, resulting in the weight of the pipe resting solely on the elbow. This excessive weight, combined with natural expansion and contraction of the poly pipe due to temperature changes has resulted in weakened pipe joints and eventual failure. Additionally, the telemetry alarms were triggered, but were not actioned as per procedure. These alarms are routinely triggered, mostly while conducting tailings line flushes, leading to it being seen as a 'nuisance alarm'.</p>			
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:			
<p>The area was immediately barricaded and samples of released water were taken. Following confirmation of cyanide solution, the area was dosed with peroxide to reduce the WAD CN levels to below 0.5 ppm.</p> <p>The spill was directed to the CIL containment pond, using rubber lining to direct flows into the concrete culvert adjacent to the spill.</p> <p>Material from the potentially contaminated area were excavated and removed, until all samples returned a WAD CN reading below 0.5 ppm.</p> <p>The damaged section of pipe has been replaced.</p> <p>Further corrective actions implemented include:</p> <p>Assessment of condition of all support structures, and implementation of proper anchoring and support at critical points.</p> <p>Updating the Trigger-Action-Response-Plan or creating a procedure to ensure rupture protection systems are robust, including instructions for responding to alarm scenarios.</p>			
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: 16/10/2023	



Figure 2: Location of CIL Destruction Spill

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.

Position:	Environmental Superintendent	Position:	
Date:	28/06/2024	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.