



DWER Annual Environmental Report

L4496/1988/11 – Meekatharra Gold Operations

November 2025

Company	Big Bell Gold Operations Pty Ltd (100% owned by Westgold Resources Ltd) ACN 090 642 809
Mining Area	Meekatharra Gold Operations
Company Contact Details	Registered office: Level 6, 200 St Georges Terrace, Perth WA 6000 Postal: PO Box 7068, Cloisters Square WA 6850 Phone: 9462 3400

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1. INTRODUCTION

Big Bell Gold Operations Pty Ltd (BBGO), a wholly owned subsidiary of Westgold Resources Limited (Westgold), owns and operates the Meekatharra Gold Operations (MGO) in the Murchison region of Western Australia.

Environmental Protection Act 1986 Licence L4496/1988/11 (L4496), which was issued on 26 September 2013 and is valid until 30 September 2033, permits the following prescribed premises categories:

- 5 – Processing or beneficiation of metallic and non-metallic ore
- 6 – Mine dewatering
- 52- Electric power generation (21 MW in aggregate)
- 54 – Sewage facility
- 63– Class I inert landfill site
- 64 – Class II putrescible landfill site
- 84 – Electric power generation (15.2 MW in aggregate).

1.1 Purpose

Licence L4496 Condition 30, requires BBGO to submit an Annual Environmental Report which includes information as specified in the Licence (refer to Table 1).

Table 1. Reporting Requirements of L4496/1988/11

Condition or Table	Parameter	Format or Form	AER Location
-	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	Section 4.1
Table 6	Summary of authorised activities including comparison of the approved production and design capacities and actual production/throughput for the Annual period.	None specified	Section 2
21	Monitoring of dewater outputs.	None specified	Section 3.1
22	Monitoring of point source emissions to land and comparison against the ANZECC Livestock Drinking Water Guidelines.	LR1	Section 3.2
23	Monitoring of ambient groundwater quality and comparison against the ANZECC Livestock Drinking Water Guidelines.	GR1	Section 3.5
24	Additional monitoring at ephemeral creek discharge location to monitor potential impacts	None specified	Section 3.3
25	Monitoring of emissions to surface water	WR1	Section 3.4
26	Monitoring of ambient soil quality at Lake Annean	None specified	Section 3.6
27	Monitoring of ambient riparian vegetation quality at Lake Annean	None specified	Section 3.7
-	An assessment of the information contained within the report against previous monitoring results and any Licence limits.	None specified	Section 7
29	Compliance	Annual Audit Compliance Report (AACR)	Section 5; Appendix A
28	Complaints summary	None specified	Section 4.2

2. SUMMARY OF AUTHORISED ACTIVITIES

BBGO did not exceed the approved production design capacity limit for any category during the reporting period (refer to Table 2). A summary of the activities authorised under L4496 is presented as follows:

Table 2. Summary of Authorised Activities

	Category	Assessed Production / Design Capacity	Production Output 2024/25
5	Processing or beneficiation of metallic or non-metallic ore	2,500,000 tonnes per annual period	1,204,625 tonnes
6	Mine dewatering	5,953,000 tonnes per annual period	402,437 tonnes
52	Electric power generation	21 MW in aggregate	0 MW*
54	Sewage facility	150 cubic metres per day	87 cubic metres per day
63	Class I inert landfill site	3,000 tonnes per annual period	900 tonnes
64	Class II putrescible landfill site	1,000 tonnes per annual period	65 tonnes
84	Electric power generation (using natural gas)	15.2 MW in aggregate	6.08 MW

* Bluebird's diesel power station decommissioned. All power is now generated through the LNG station

2.1 Category 5 – Processing or beneficiation of metallic or non-metallic ore

During the reporting period BBGO Yaloginda processed 1,204,625 tonnes of ore. Please see Table 3 for monthly processing production throughput calculations.

Table 3. Annual Processing Production Throughput

Date	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Total (kL)
Monthly Ore Processed	102613	61355	72297	85389	50910	66674	122121	114862	125527	137392	129627	135859	1204625

2.2 Category 6 – Mine dewatering

During the reporting period BBGO Yaloginda dewatered 402,437 tonnes of water. Due to a failure in a mechanical flow meter data from October onward is extrapolated based on the previous 3-month average, for further information regarding this please see section 3.1. Please see Table 4 for dewatering calculations.

Table 4. Dewatering Volumes

Date	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Total (kL)
South Junction Dewatering	31770	33697	33697	33697	33697	33697	33697	33697	33697	33697	33697	33697	402437

2.3 Category 52 – Electric power generation

The Bluebird diesel power station has been decommissioned and is no longer present.

2.4 Category 54 – Sewage facility

During the reporting period BBGO Yaloginda discharged 87m³ of sewage per day. Please see Table 5 for sewage discharge volume calculations.

Table 5. Monthly Sewage Discharge Volumes

Date	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Total (kL)
Yaloginda Sewage Facility Discharge	1538	1917	1288	6183	3816	4436	2931	1308	2738	1796	1922	1801	31674

2.5 Category 63 – Class I inert landfill area

During the reporting period BBGO Yaloginda filled 4 landfill cells with an area of 750m³. With a calculated mass of 300kg/m³ it is estimated a total of 900 tonnes of inert material was landfilled at 225 tonnes per cell. Please see Table 6 for Class I Inert Landfill Calculations.

Table 6. Class I Inert Landfill Waste Calculations

Estimated # Cells Filled:	4
Cell Volume (m3):	750
Tonnes:	225
Total Site Inert Waste Estimate	900

2.6 Category 64 – Class II putrescible landfill site

During the reporting period BBGO Yaloginda landfilled 65 tonnes of putrescible waste. This figure is extrapolated by calculating the total mandays of people onsite at a rate of 0.74 kg waste generation, per person, per day. Please see Table 7 for Class II Putrescible Landfill Calculations.

Table 7. Class II Putrescible Landfill Waste Calculations

	Head Count (mandays total)	Class 2 Waste (Kg)	Class 2 Waste (Tonnes)
September	7284	5390.16	5.39
October	7121	5269.54	5.27
November	7430	5498.20	5.50
December	6981	5165.94	5.17
January	7095	5250.30	5.25
February	6791	5025.34	5.03
March	7056	5221.44	5.22
April	7002	5181.48	5.18
May	8028	5940.72	5.94
June	7288	5393.12	5.39

July	8282	6128.68	6.13
August	8604	6366.96	6.37
Total	88962	65831.88	65.83
0.74 kg waste generation/per person/per day			

2.7 Category 63 – Electric power generation (using natural gas)

During the reporting period BBGO Yaloginda produced an aggregate of 6.08mWh. Please see Table 8 for LNG power generation calculations

Table 8. Monthly LNG Power Generation Calculations

LNG Power Generation	
Month	Power Generation (kWh/Month)
September	4116838
October	3225705
November	3743278
December	4281439
January	3688665
February	3863887
March	5286504
April	5138616
May	5138616
June	5175365
July	4480783
August	5121376
Total (kWh)	53261072
Total (mWh)	53261.072
mWh (Day)	145.9207452
mWh (Aggregate)	6.08003105

3. WATER MANAGEMENT

3.1 Monitoring of Dewater Outputs

Dewatering of South Junction Pit into Mystery Pit began in the previous period and continued throughout the reporting period (refer to Table 9).

A total of 402,437 tonnes of water was removed from South Junction Pit and stored in Romsey Pit.

Table 9. Dewatering Volumes

Date	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Total (kL)
South Junction Dewatering	31,770	33,697	33,697	33,697	33,697	33,697	33,697	33,697	33,697	33,697	33,697	33,697	402,437
Average monthly	31,770	33,697	33,697	33,697	33,697	33,697	33,697	33,697	33,697	33,697	33,697	33,697	33,536

No other dewatering activities occurred during the reporting period. Dewatering volumes for the South Junction were estimated based on the average of the previous three months of reliable data, due to a flow meter failure and subsequent replacement delay. A new flow meter has since been installed on the South Junction Underground dewatering line. BBGO anticipates open pit dewatering to recommence and volumes to increase in the next reporting period.

3.2 Monitoring of Point Source Emissions to Land

No emissions occurred during, or immediately prior to, the reporting period.

3.3 Ephemeral Creek Discharge Location Monitoring

No discharge occurred at the ephemeral creek during the reporting period.

3.4 Monitoring of Emissions to Surface Water

No emissions occurred during, or immediately prior to, the reporting period.

3.5 Monitoring of Ambient Groundwater Quality

This section presents the results of monitoring of ambient groundwater quality in the format specified under Conditions 23 and 30 (GR1).

Licence: L4496/1988/11

Licence Holder: Big Bell Gold Operations Pty Ltd

Form: GR1

Period: 01 September 2024 to 30 September 2025

Name: Monitoring of ambient groundwater quality

Form GWR1: Monitoring of ambient groundwater quality				Results				Notes
Emission point	Parameter	L4496 Limit	ANZECC Limit (mg/L)	Q1	Q2	Q3	Q4	
BWMB1	SWL	-	-	13.18	13.4	13.58	13.55	Method: - Single spot sample - Quarterly - Decommissioned 2016 Date/Time: - Q1: 14/10/2024 - Q2: 15/01/2025 - Q3: 20/04/2025 - Q4: 16/07/2025
	pH	>6.0 to <9.0	-	7.9	7.8	7.9	7.96	
	TDS	-	5000	1100	1000	1000	1070	
	Arsenic	0.5 mg/L	0.5	0.004	0.0042	0.0036	0.004	
	Cadmium	-	0.01	5.00E-05	5.00E-05	<0.00005	<0.0001	
	Chromium	-	1	0.093	0.09	0.076	0.091	
	Copper	0.5 mg/L	1	0.0005	0.0005	0.0007	<0.001	
	Lead	-	0.1	0.0005	0.0005	<0.0005	<0.001	
	Mercury	-	0.002	5.00E-05	5.00E-05	<0.00005	<0.0001	
	Nickel	1.0 mg/L	1	<0.001	<0.001	<0.001	<0.001	
	Selenium	-	0.02	0.003	0.003	0.003	<0.01	
	Zinc	20	20	0.008	0.007	0.003	<0.005	
WAD	0.5 mg/L	-	0.004	0.004	<0.004	<0.004		

Signed on behalf of Big Bell Gold Operations Pty Ltd:

Signature:

Date:

Licence: L4496/1988/11
 Form: GR1
 Name: Monitoring of ambient groundwater quality

Licence Holder: Big Bell Gold Operations Pty Ltd
 Period: 01 September 2024 to 30 September 2025

Form GWR1: Monitoring of ambient groundwater quality				Results				Notes
Emission point	Parameter	L4496 Limit	ANZECC Limit (mg/L)	Q1	Q2	Q3	Q4	
BWMB2	SWL	-	-	14.61	14.83	15.03	15.00	Method: - Single spot sample - Quarterly - Decommissioned 2016 Date/Time: - Q1: 14/10/2024 - Q2: 15/01/2025 - Q3: 20/04/2025 - Q4: 16/07/2025
	pH	>6.0 to <9.0	-	7.7	7.9	7.8	8.11	
	TDS	-	5000	990	970	940	992	
	Arsenic	0.5 mg/L	0.5	0.0087	0.008	0.0071	0.008	
	Cadmium	-	0.01	5.00E-05	5.00E-05	<0.00005	<0.0001	
	Chromium	-	1	0.036	0.03	0.028	0.033	
	Copper	0.5 mg/L	1	0.0008	<0.001	0.0009	<0.001	
	Lead	-	0.1	0.0005	0.0005	<0.0005	<0.001	
	Mercury	-	0.002	7.00E-05	5.00E-05	<0.00005	<0.0001	
	Nickel	1.0 mg/L	1	<0.001	0.005	0.001	<0.001	
	Selenium	-	0.02	0.003	0.003	0.003	<0.01	
	Zinc	20	20	0.013	0.007	0.004	0.005	
	WAD	0.5 mg/L	-	0.004	0.004	<0.004	<0.004	

Signed on behalf of Big Bell Gold Operations Pty Ltd:

Signature:

Date:

Licence: L4496/1988/11
 Form: GR1
 Name: Monitoring of ambient groundwater quality

Licence Holder: Big Bell Gold Operations Pty Ltd
 Period: 01 September 2024 to 30 September 2025

Form GWR1: Monitoring of ambient groundwater quality				Results				Notes
Emission point	Parameter	L4496 Limit	ANZECC Limit (mg/L)	Q1	Q2	Q3	Q4	
BWMB3	SWL	-	-	33.09	33.02	33.06	33.02	Method: - Single spot sample - Quarterly - Decommissioned 2016 Date/Time: - Q1: 14/10/2024 - Q2: 15/01/2025 - Q3: 19/04/2025 - Q4: 16/07/2025
	pH	>6.0 to <9.0	-	7.6	7.6	7.5	7.97	
	TDS	-	5000	1100	1100	1200	1780	
	Arsenic	0.5 mg/L	0.5	0.019	0.018	0.017	0.002	
	Cadmium	-	0.01	8.00E-05	5.00E-05	<0.00005	<0.0001	
	Chromium	-	1	<0.001	0.0008	0.0006	0.008	
	Copper	0.5 mg/L	1	0.0019	0.0005	0.0017	<0.001	
	Lead	-	0.1	0.0005	0.0005	<0.0005	<0.001	
	Mercury	-	0.002	5.00E-05	5.00E-05	<0.00005	<0.0001	
	Nickel	1.0 mg/L	1	0.02	0.006	0.005	<0.001	
	Selenium	-	0.02	<0.001	<0.001	<0.001	<0.01	
	Zinc	20	20	0.061	0.018	0.058	0.006	
	WAD	0.5 mg/L	-	0.004	0.004	<0.004	<0.004	

Signed on behalf of Big Bell Gold Operations Pty Ltd:

Signature:

Date:

Licence: L4496/1988/11
 Form: GR1
 Name: Monitoring of ambient groundwater quality

Licence Holder: Big Bell Gold Operations Pty Ltd
 Period: 01 September 2024 to 30 September 2025

Form GWR1: Monitoring of ambient groundwater quality				Results				Notes
Emission point	Parameter	L4496 Limit	ANZECC Limit (mg/L)	Q1	Q2	Q3	Q4	
BWMB4	SWL	-	-	12.25	12.64	12.85	12.68	Method: - Single spot sample - Quarterly - Decommissioned 2016 Date/Time: - Q1: 14/10/2024 - Q2: 15/01/2025 - Q3: 19/04/2025 - Q4: 16/07/2025
	pH	>6.0 to <9.0	-	7.0	7.4	7.2	8.01	
	TDS	-	5000	50	53	58	961	
	Arsenic	0.5 mg/L	0.5	0.0046	0.004	0.0034	0.003	
	Cadmium	-	0.01	5.00E-05	5.00E-05	<0.00005	<0.0001	
	Chromium	-	1	0.0014	0.0013	0.0011	0.011	
	Copper	0.5 mg/L	1	0.0011	0.0009	0.0008	<0.001	
	Lead	-	0.1	0.0005	0.0005	<0.0005	<0.001	
	Mercury	-	0.002	5.00E-05	5.00E-05	<0.00005	<0.0001	
	Nickel	1.0 mg/L	1	0.003	0.002	<0.001	<0.001	
	Selenium	-	0.02	<0.001	<0.001	<0.001	<0.01	
	Zinc	20	20	0.026	0.027	0.028	<0.005	
	WAD	0.5 mg/L	-	0.004	0.004	<0.004	<0.004	

Signed on behalf of Big Bell Gold Operations Pty Ltd:

Signature:

Date:

Licence: L4496/1988/11
 Form: GR1
 Name: Monitoring of ambient groundwater quality

Licence Holder: Big Bell Gold Operations Pty Ltd
 Period: 01 September 2024 to 30 September 2025

Form GWR1: Monitoring of ambient groundwater quality				Results				Notes
Emission point	Parameter	L4496 Limit	ANZECC Limit (mg/L)	Q1	Q2	Q3	Q4	
BWMB5	SWL	-	-	31.38	31.79	31.12	30.96	Method: - Single spot sample - Quarterly - Decommissioned 2016 Date/Time: - Q1: 14/10/2024 - Q2: 15/01/2025 - Q3: 19/04/2025 - Q4: 16/07/2025
	pH	>6.0 to <9.0	-	7.9	7.9	7.8	7.79	
	TDS	-	5000	1400	1500	1500	2920	
	Arsenic	0.5 mg/L	0.5	0.011	0.012	0.014	0.002	
	Cadmium	-	0.01	5.00E-05	5.00E-05	<0.00005	<0.0001	
	Chromium	-	1	0.06	0.06	0.042	0.035	
	Copper	0.5 mg/L	1	0.0018	0.0038	0.0012	0.008	
	Lead	-	0.1	0.0005	0.0005	<0.0005	<0.001	
	Mercury	-	0.002	5.00E-05	5.00E-05	<0.00005	<0.0001	
	Nickel	1.0 mg/L	1	0.005	0.004	0.004	<0.001	
	Selenium	-	0.02	0.002	0.002	0.002	<0.01	
	Zinc	20	20	0.022	<0.025	0.017	<0.005	
WAD	0.5 mg/L	-	0.004	0.004	<0.004	0.007		

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 Form: GR1
 Name: Monitoring of ambient groundwater quality

Licence Holder: Big Bell Gold Operations Pty Ltd
 Period: 01 September 2024 to 30 September 2025

Form GWR1: Monitoring of ambient groundwater quality				Results				Notes
Emission point	Parameter	L4496 Limit	ANZECC Limit (mg/L)	Q1	Q2	Q3	Q4	
BWMB6	SWL	-	-	13.71	13.84	13.95	14.04	Method: - Single spot sample - Quarterly - Decommissioned 2016 Date/Time: - Q1: 14/10/2024 - Q2: 15/01/2025 - Q3: 19/04/2025 - Q4: 16/07/2025
	pH	>6.0 to <9.0	-	8.0	8.2	8.0	7.95	
	TDS	-	5000	2400	2000	2300	2130	
	Arsenic	0.5 mg/L	0.5	0.0009	0.0008	0.0007	<0.001	
	Cadmium	-	0.01	5.00E-05	5.00E-05	<0.00005	<0.0001	
	Chromium	-	1	0.0008	0.0005	<0.0005	<0.001	
	Copper	0.5 mg/L	1	0.0011	0.0011	<0.0005	<0.001	
	Lead	-	0.1	0.0005	0.0005	<0.0005	<0.001	
	Mercury	-	0.002	5.00E-05	5.00E-05	<0.00005	<0.0001	
	Nickel	1.0 mg/L	1	<0.001	<0.001	<0.001	<0.001	
	Selenium	-	0.02	0.002	0.002	0.002	<0.01	
	Zinc	20	20	<0.001	0.002	<0.001	<0.005	
WAD	0.5 mg/L	-	0.015	0.016	0.015	0.008		

Signed on behalf of Big Bell Gold Operations Pty Ltd:

Signature:

Date:

Licence: L4496/1988/11
 Form: GR1
 Name: Monitoring of ambient groundwater quality

Licence Holder: Big Bell Gold Operations Pty Ltd
 Period: 01 September 2024 to 30 September 2025

Form GWR1: Monitoring of ambient groundwater quality				Results				Notes
Emission point	Parameter	L4496 Limit	ANZECC Limit (mg/L)	Q1	Q2	Q3	Q4	
PWD2	SWL	-	-	31.5	32.16	32.13	31.97	Method: - Single spot sample - Quarterly Date/Time: - Q1: 14/10/2024 - Q2: 15/01/2025 - Q3: 20/04/2025 - Q4: 17/07/2025
	pH	>6.0 to <9.0	-	7.8	7.7	7.7	7.83	
	TDS	-	5000	4900	4600	4700	5360	
	Arsenic	0.5 mg/L	0.5	0.01	0.015	0.011	0.01	
	Cadmium	-	0.01	5.00E-05	<0.0001	<0.0001	<0.0001	
	Chromium	-	1	0.0026	<0.001	0.0011	0.003	
	Copper	0.5 mg/L	1	0.059	<0.001	<0.001	0.002	
	Lead	-	0.1	0.0018	<0.001	<0.001	<0.001	
	Mercury	-	0.002	0.0044	5.00E-05	<0.00005	<0.0001	
	Nickel	1.0 mg/L	1	0.087	0.002	<0.002	0.003	
	Selenium	-	0.02	0.006	0.005	0.004	<0.01	
	Zinc	20	20	0.003	0.008	0.004	0.007	
WAD	0.5 mg/L	-	0.025	0.005	<0.004	<0.004		

Signed on behalf of Big Bell Gold Operations Pty Ltd:

Signature:

Date:

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 Form: GR1
 Name: Monitoring of ambient groundwater quality

Licence Holder: Big Bell Gold Operations Pty Ltd
 Period: 01 September 2024 to 30 September 2025

Form GWR1: Monitoring of ambient groundwater quality				Results				Notes
Emission point	Parameter	L4496 Limit	ANZECC Limit (mg/L)	Q1	Q2	Q3	Q4	
PWD3	SWL	-	-	27.78	28.03	28.15	27.94	Method: - Single spot sample - Quarterly Date/Time: - Q1: 14/10/2024 - Q2: 15/01/2025 - Q3: 20/04/2025 - Q4: 16/07/2025
	pH	>6.0 to <9.0	-	8.2	8.2	8.1	8.18	
	TDS	-	5000	610	700	750	834	
	Arsenic	0.5 mg/L	0.5	0.019	0.016	0.014	0.014	
	Cadmium	-	0.01	5.00E-05	5.00E-05	<0.00005	<0.0001	
	Chromium	-	1	0.011	0.0095	0.0077	0.008	
	Copper	0.5 mg/L	1	0.0034	0.0009	<0.0005	0.006	
	Lead	-	0.1	0.0005	0.0005	<0.0005	<0.001	
	Mercury	-	0.002	0.0002	5.00E-05	<0.00005	<0.0001	
	Nickel	1.0 mg/L	1	0.002	<0.001	<0.001	0.007	
	Selenium	-	0.02	0.01	0.009	0.01	0.01	
	Zinc	20	20	0.002	0.003	0.001	<0.005	
WAD	0.5 mg/L	-	0.004	0.004	<0.004	<0.004		

Signed on behalf of Big Bell Gold Operations Pty Ltd:

Signature:

Date:

Licence: L4496/1988/11
 Form: GR1
 Name: Monitoring of ambient groundwater quality

Licence Holder: Big Bell Gold Operations Pty Ltd
 Period: 01 September 2024 to 30 September 2025

Form GWR1: Monitoring of ambient groundwater quality				Results				Notes
Emission point	Parameter	L4496 Limit	ANZECC Limit (mg/L)	Q1	Q2	Q3	Q4	
BEMB1	SWL	-	-	51.56	51.1	50.8	50.37	Method: - Single spot sample - Quarterly Date/Time: - Q1: 14/10/2024 - Q2: 16/01/2025 - Q3: 19/04/2025 - Q4: 16/07/2025
	pH	>6.0 to <9.0	-	7.8	7.7	7.6	7.85	
	TDS	-	5000	1000	1000	980	1110	
	Arsenic	0.5 mg/L	0.5	0.0068	0.0074	0.0071	0.008	
	Cadmium	-	0.01	5.00E-05	5.00E-05	<0.00005	<0.0001	
	Chromium	-	1	0.091	0.092	0.076	0.083	
	Copper	0.5 mg/L	1	0.0011	0.0005	0.0005	0.004	
	Lead	-	0.1	0.0005	0.0005	<0.0005	<0.001	
	Mercury	-	0.002	5.00E-05	5.00E-05	<0.00005	<0.0001	
	Nickel	1.0 mg/L	1	0.002	0.002	0.002	0.005	
	Selenium	-	0.02	0.003	0.003	0.003	<0.01	
	Zinc	20	20	0.073	0.12	0.15	0.139	
	WAD	0.5 mg/L	-	0.004	0.004	<0.004	<0.004	

Signed on behalf of Big Bell Gold Operations Pty Ltd:

Signature:

Date:

Licence: L4496/1988/11
 Form: GR1
 Name: Monitoring of ambient groundwater quality

Licence Holder: Big Bell Gold Operations Pty Ltd
 Period: 01 September 2024 to 30 September 2025

Form GWR1: Monitoring of ambient groundwater quality				Results				Notes
Emission point	Parameter	L4496 Limit	ANZECC Limit (mg/L)	Q1	Q2	Q3	Q4	
BEMB2	SWL	-	-	43.59	45.98	45.35	45.06	Method: - Single spot sample - Quarterly Date/Time: - Q1: 14/10/2024 - Q2: 16/01/2025 - Q3: 19/04/2025 - Q4: 16/07/2025
	pH	>6.0 to <9.0	-	7.7	7.7	7.8	7.96	
	TDS	-	5000	1100	1200	1100	1220	
	Arsenic	0.5 mg/L	0.5	0.0026	0.0021	0.0015	0.002	
	Cadmium	-	0.01	5.00E-05	5.00E-05	<0.00005	<0.0001	
	Chromium	-	1	0.13	0.26	0.3	0.249	
	Copper	0.5 mg/L	1	0.0008	0.0005	<0.0005	0.002	
	Lead	-	0.1	0.0005	0.0005	<0.0005	<0.001	
	Mercury	-	0.002	5.00E-05	5.00E-05	<0.00005	<0.0001	
	Nickel	1.0 mg/L	1	<0.001	<0.001	<0.001	<0.001	
	Selenium	-	0.02	0.003	0.003	0.003	<0.01	
	Zinc	20	20	0.006	0.01	0.009	0.006	
WAD	0.5 mg/L	-	0.004	0.004	<0.004	<0.004		

Signed on behalf of Big Bell Gold Operations Pty Ltd:

Signature:

Date:

Licence: L4496/1988/11
 Form: GR1
 Name: Monitoring of ambient groundwater quality

Licence Holder: Big Bell Gold Operations Pty Ltd
 Period: 01 September 2024 to 30 September 2025

Form GWR1: Monitoring of ambient groundwater quality				Results				Notes
Emission point	Parameter	L4496 Limit	ANZECC Limit (mg/L)	Q1	Q2	Q3	Q4	
BEMB3	SWL	-	-	32.84	32.60	32.45	32.23	Method: - Single spot sample - Quarterly Date/Time: - Q1: 14/10/2024 - Q2: 16/01/2025 - Q3: 20/04/2025 - Q4: 15/07/2025
	pH	>6.0 to <9.0	-	7.8	7.8	7.8	8.05	
	TDS	-	5000	860	860	880	885	
	Arsenic	0.5 mg/L	0.5	0.002	0.0018	0.0018	0.002	
	Cadmium	-	0.01	5.00E-05	5.00E-05	<0.00005	<0.0001	
	Chromium	-	1	0.13	0.13	0.11	0.123	
	Copper	0.5 mg/L	1	0.0021	0.0005	<0.0005	<0.001	
	Lead	-	0.1	0.0005	0.0005	<0.0005	<0.001	
	Mercury	-	0.002	6.00E-05	5.00E-05	<0.00005	<0.0001	
	Nickel	1.0 mg/L	1	<0.001	<0.001	<0.001	<0.001	
	Selenium	-	0.02	0.003	0.003	0.003	<0.01	
	Zinc	20	20	0.003	0.003	0.003	<0.005	
WAD	0.5 mg/L	-	0.004	0.004	<0.004	<0.004		

Signed on behalf of Big Bell Gold Operations Pty Ltd:

Signature:

Date:

Licence: L4496/1988/11
 Form: GR1
 Name: Monitoring of ambient groundwater quality

Licence Holder: Big Bell Gold Operations Pty Ltd
 Period: 01 September 2024 to 30 September 2025

Form GWR1: Monitoring of ambient groundwater quality				Results				Notes
Emission point	Parameter	L4496 Limit	ANZECC Limit (mg/L)	Q1	Q2	Q3	Q4	
BEMB4	SWL	-	-	18.48	18.73	18.29	17.88	Method: - Single spot sample - Quarterly Date/Time: - Q1: 14/10/2024 - Q2: 15/01/2025 - Q3: 20/04/2025 - Q4: 16/07/2025
	pH	>6.0 to <9.0	-	8.1	8.1	8.1	8.22	
	TDS	-	5000	1400	1400	1400	1440	
	Arsenic	0.5 mg/L	0.5	0.0045	0.0045	0.0038	0.004	
	Cadmium	-	0.01	5.00E-05	5.00E-05	<0.00005	<0.0001	
	Chromium	-	1	0.0005	0.0005	<0.0005	<0.001	
	Copper	0.5 mg/L	1	0.0021	0.0005	0.0006	<0.001	
	Lead	-	0.1	0.0005	0.0005	<0.0005	<0.001	
	Mercury	-	0.002	5.00E-05	5.00E-05	<0.00005	<0.0001	
	Nickel	1.0 mg/L	1	0.002	<0.001	0.001	0.002	
	Selenium	-	0.02	<0.001	<0.001	<0.001	<0.01	
	Zinc	20	20	0.002	0.005	0.002	<0.005	
	WAD	0.5 mg/L	-	0.004	0.004	<0.004	<0.004	

Signed on behalf of Big Bell Gold Operations Pty Ltd:

Signature:

Date:

3.5.1 Omitted emission points

Emission points not included in this report and the rationale behind their omission are as follows:

Surprise In-Pit TSF Bores

In accordance with Condition 23 of L4496, monitoring of the Surprise TSF bores is not required as deposition into the TSF is yet to commence.

PWD1

This bore has been recorded as dry since October 2022. As a result, no water quality monitoring was possible during this reporting period.

3.6 Monitoring of Ambient Soil Quality at Lake Annean

No emissions occurred into, or around, Lake Annean during the reporting period.

3.7 Monitoring of Ambient Riparian Vegetation Quality at Lake Annean

No emissions occurred into, or around, Lake Annean during the reporting period.

4. ENVIRONMENTAL INCIDENTS AND COMPLAINTS

4.1 Summary of Environmental Incidents

Twelve environmental incidents were recorded during the annual period (refer to Table 10).

Table 10. Environmental Incident Register 2024/2025

Date	Inx Event	Category	Incident description
17-Nov-24	Environmental	Hydrocarbons	During elevation of the rig mast, the hydraulic tank cap was displaced, resulting in the release of approximately 250 L of hydraulic fluid, with minor overflow to the drill pad floor. Contaminated materials were recovered and disposed of at the site bioremediation facility.
24-Nov-24	Environmental	Hydrocarbons	A suspected hydrocarbon-water mixture was incorrectly discharged near the bioremediation facility, with an estimated volume of 50–200 L. Contaminated materials were recovered and disposed of at the site bioremediation facility.
25-Dec-24	Environmental	Other	50kL Slurry overflowed from the adsorption tank bunding. Tailings material was recovered and reprocessed through the mill.
19-Jan-25	Environmental	Other	Carbon-in-Leach (CIL) Tank 6 overflowed 1kL slurry into the bund and onto the ground. Tailings material was recovered and reprocessed through the mill.
25-Mar-25	Environmental	Other	1kL Slurry was discharged over the edge of the batch plant bund onto a rehabilitated waste dump. Tailings material was recovered and reprocessed through the mill.
16-Apr-25	Environmental	Other	The tails pump bund area was breached, releasing 10kL slurry and carbon. Tailings material was recovered and reprocessed through the mill.
28-May-25	Environmental	Tailings	The tails bund was breached by 100kL slurry. Tailings material was recovered and reprocessed through the mill.

Date	Inx Event	Category	Incident description
9-Jun-25	Environmental	Hydrocarbons	Approximately 100 L of oily water was discharged from two self-contained pallets due to overfilling. Contaminated materials were recovered and disposed of at the site bioremediation facility.
9-Jun-25	Environmental	Hydrocarbons	Approximately 50 L of oil was discharged from a self-contained bund as a result of rainfall overflow. Contaminated materials were recovered and disposed of at the site bioremediation facility.

4.2 Complaints

There have been no complaints recorded in relation to Meekatharra Gold Operations during the 2024/2025 reporting period.

5. COMPLIANCE

Non-compliance with Licence Condition 21 (L4496) was reported in the Annual Audit Compliance Report Form for the 2024/2025 reporting period (refer to Appendix).

6. COMPARISON TO LICENCE & GUIDELINE LIMITS

In accordance with Condition 30 of the Licence, this section provides an assessment of the current monitoring data against previous results and established limits.

6.1 L4496 Licence Limits

All TSF groundwater monitoring results for the reporting period were within the limits specified in Table 13 of Licence L4496 for all listed parameters (Figure 1 to Figure 12).

6.2 ANZG (Formerly ANZECC) Livestock Guideline Limits

A comparison against the Australian and New Zealand Guidelines for Fresh and Marine Water Quality (ANZG) Livestock Drinking Water Guidelines resulted in one analyte above ANZG criteria:

- Analyte: Total Dissolved Solids (TDS)
- Location: PWD2
- Timeframe: Quarter 4 (Q4) reporting period

All other monitoring bores met both the Licence and ANZG criteria during the reporting period.

6.3 Cyanide

All measured Cyanide levels were significantly below both the L4496 Licence limits and the ANZG Livestock Guideline limits.

6.4 Data Visualisation

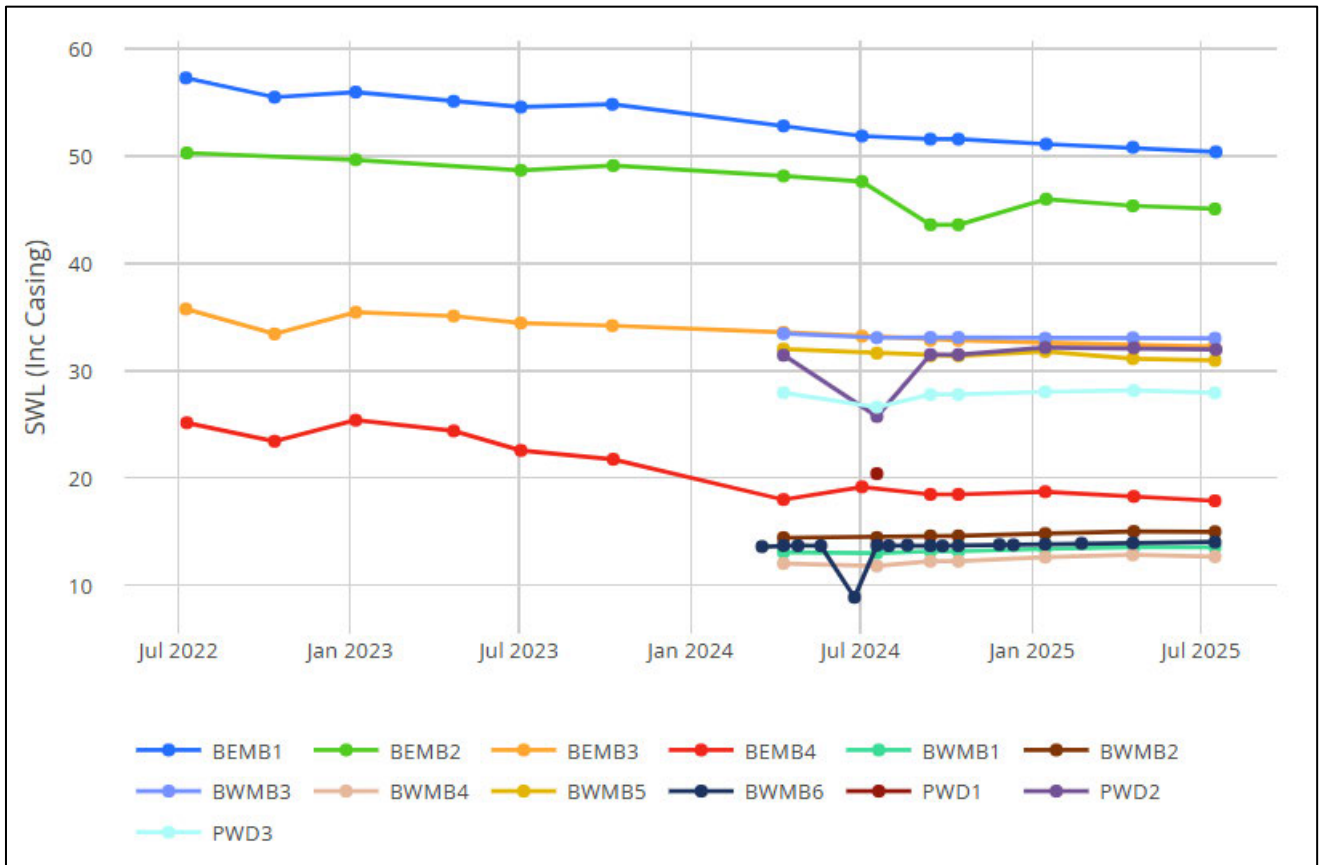


Figure 1. Standing Water Level in TSF Bore Samples

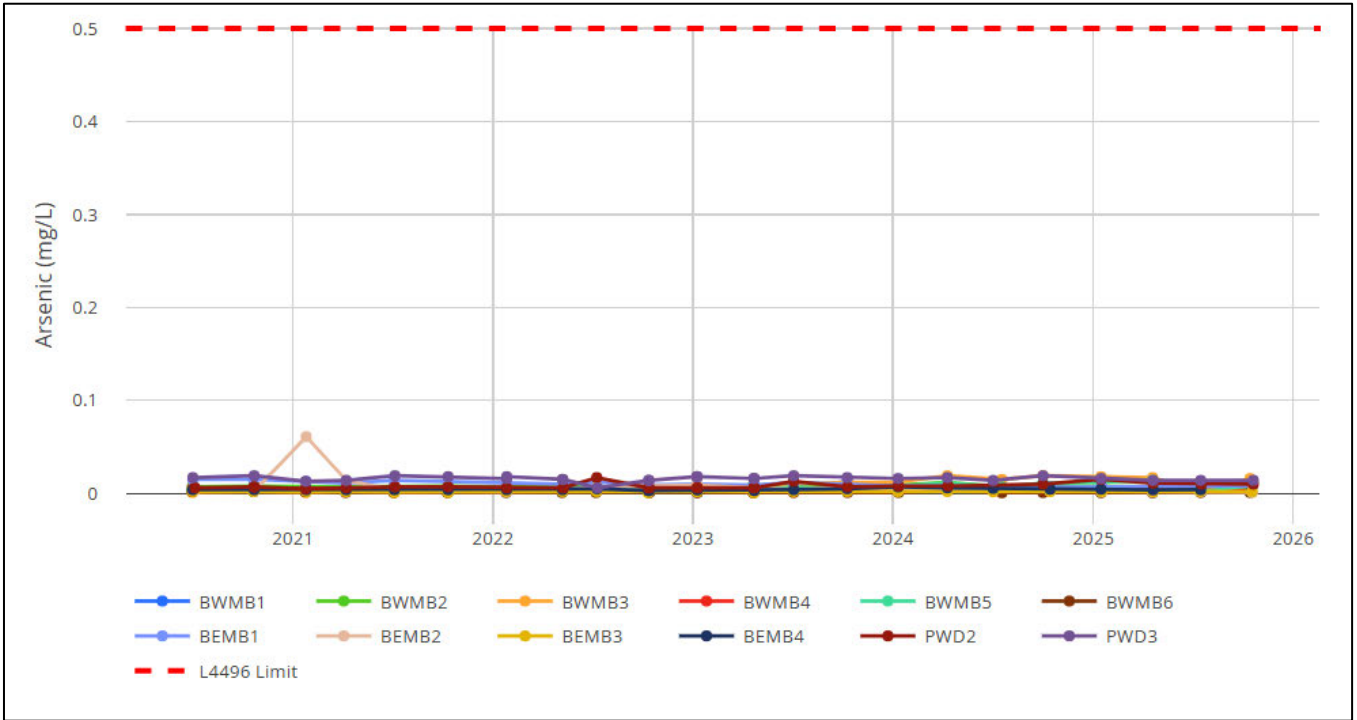


Figure 2. Arsenic Concentrations in TSF Bore Samples

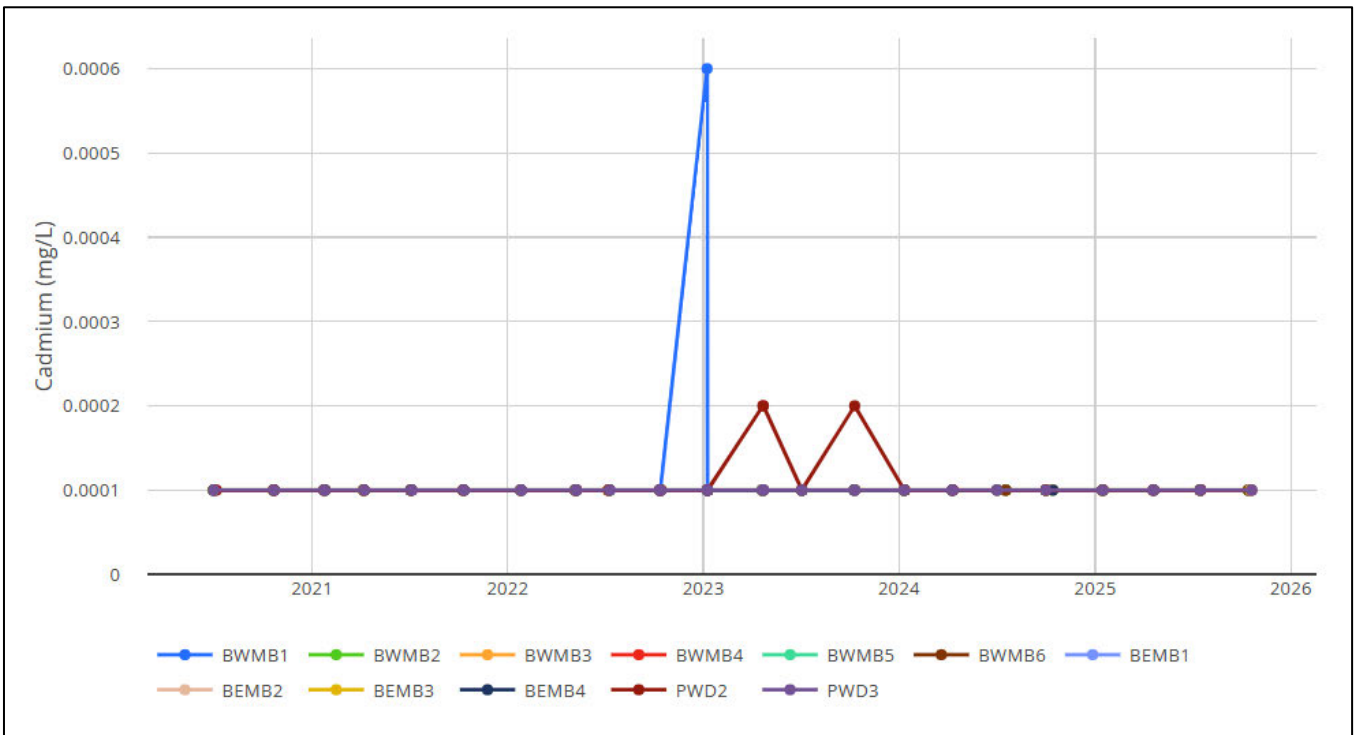


Figure 3. Cadmium Concentrations in TSF Bore Samples

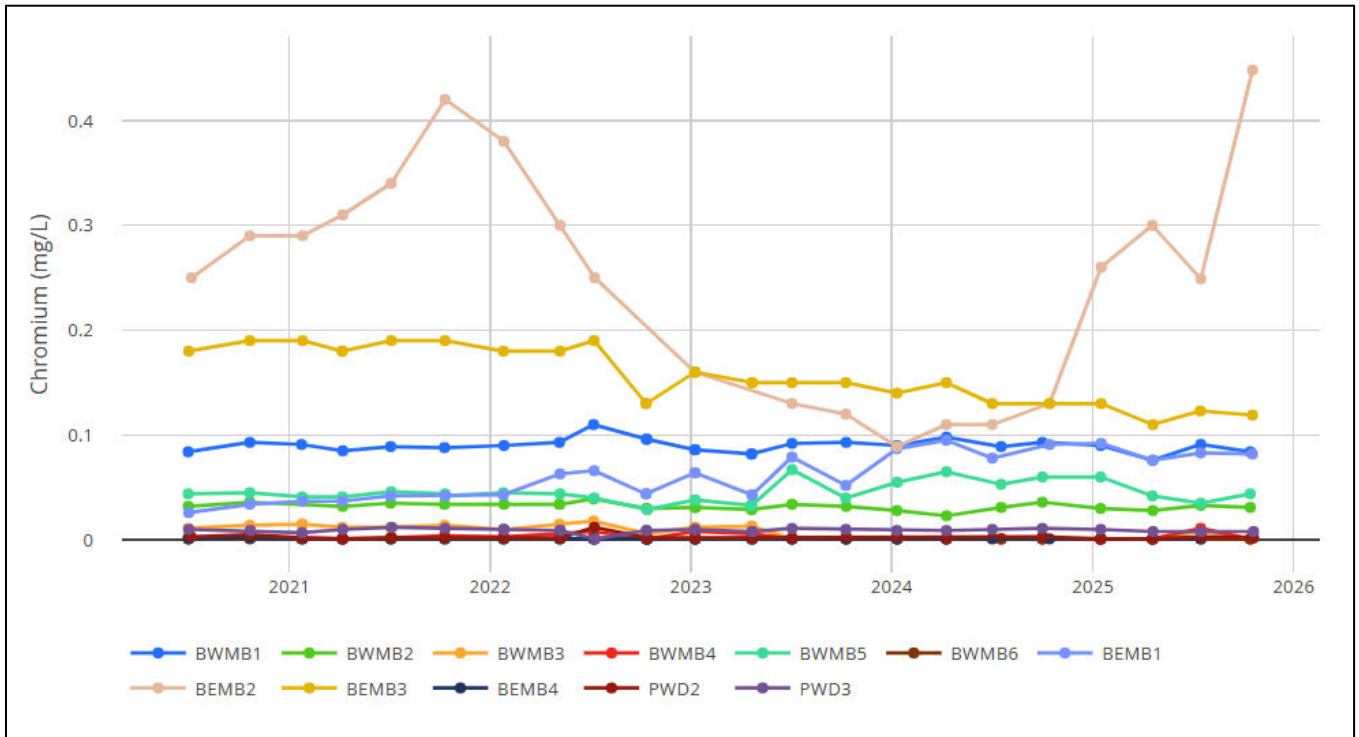


Figure 4. Chromium Concentrations in TSF Bore Samples

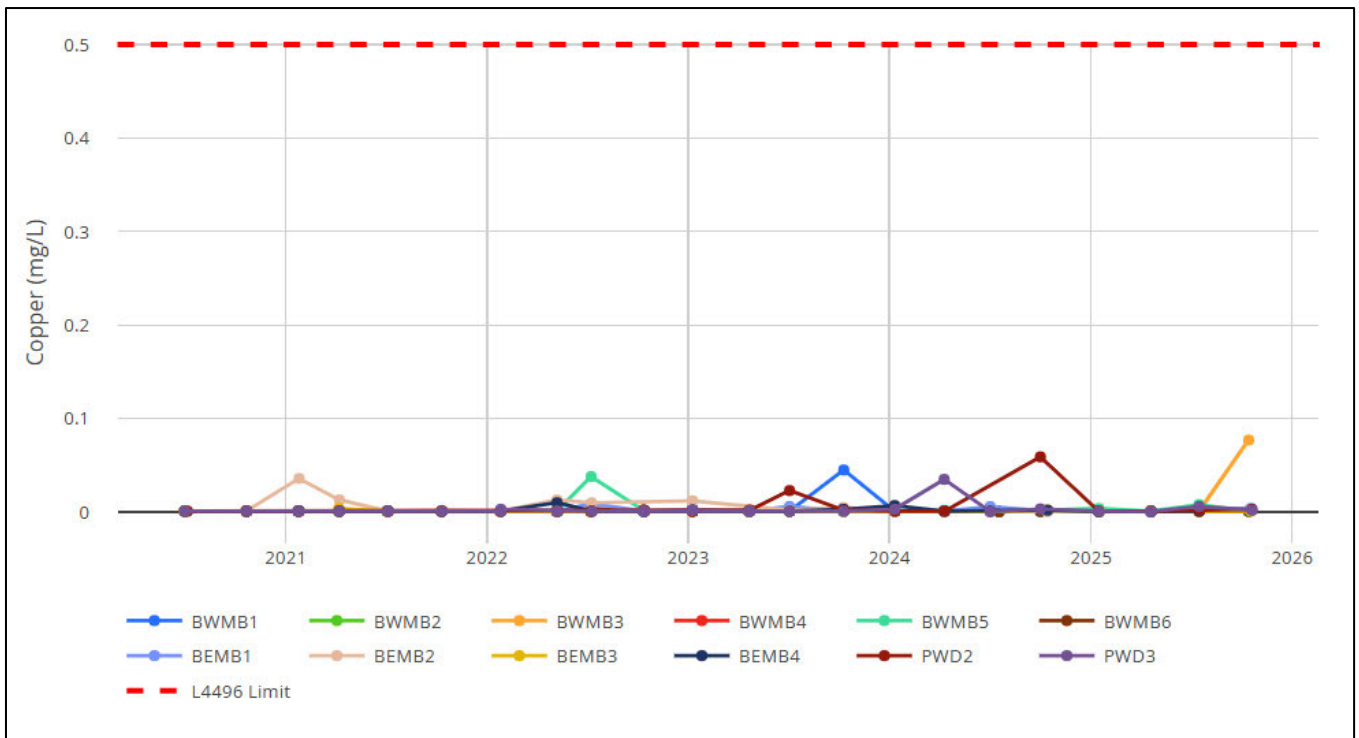


Figure 5. Copper Concentrations in TSF Bore Samples

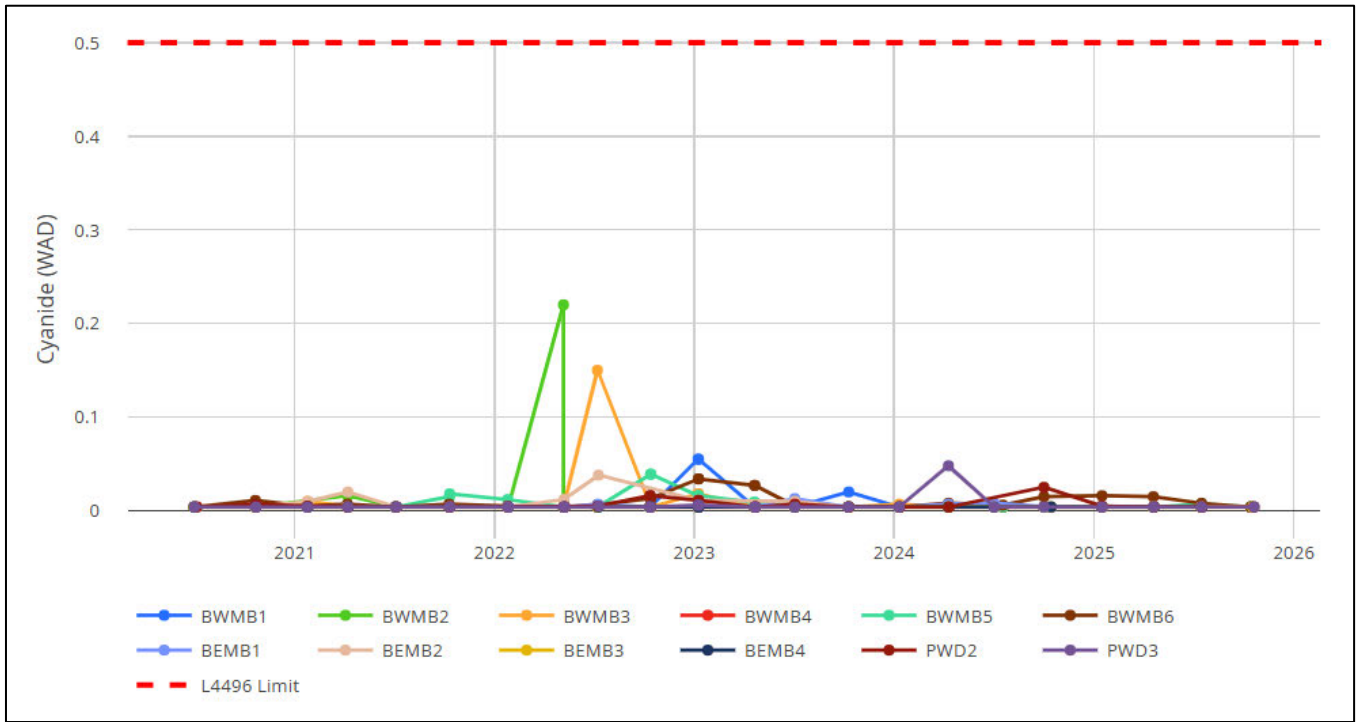


Figure 6. Cyanide Concentrations in TSF Bore Samples

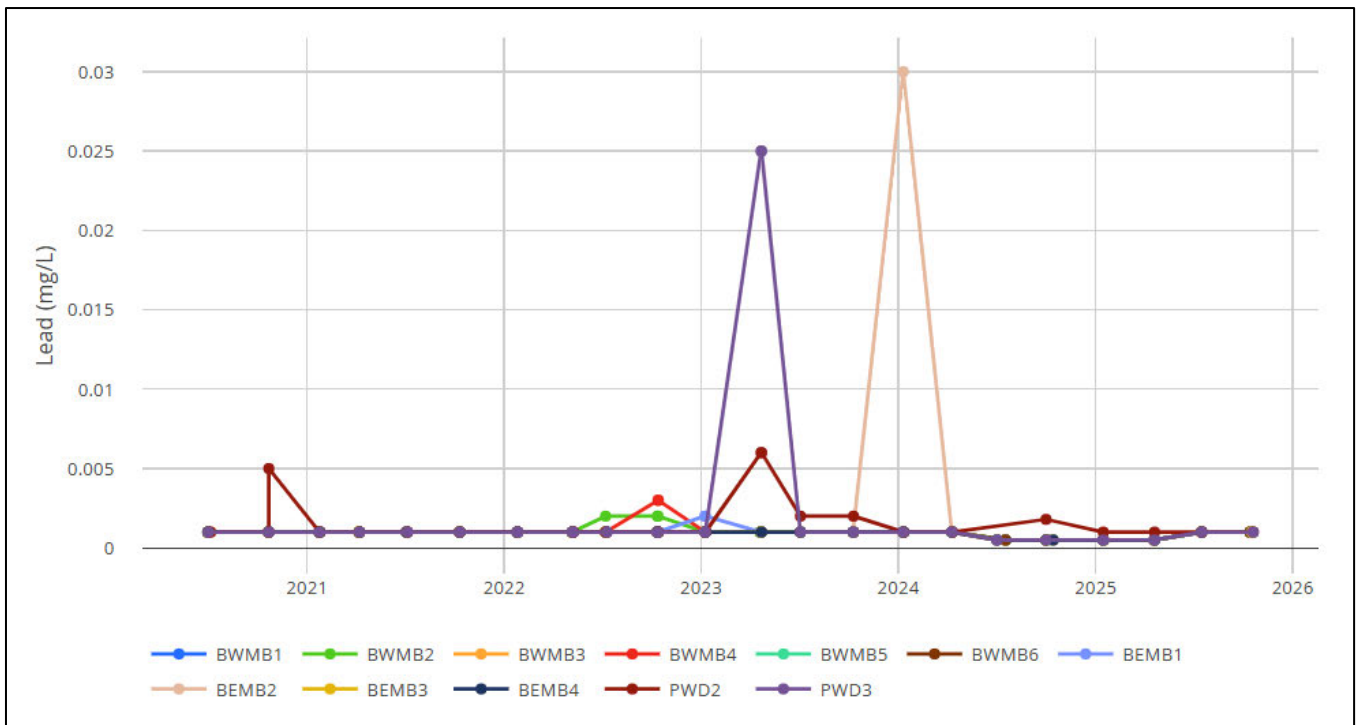


Figure 7. Lead Concentrations in TSF Bore Samples

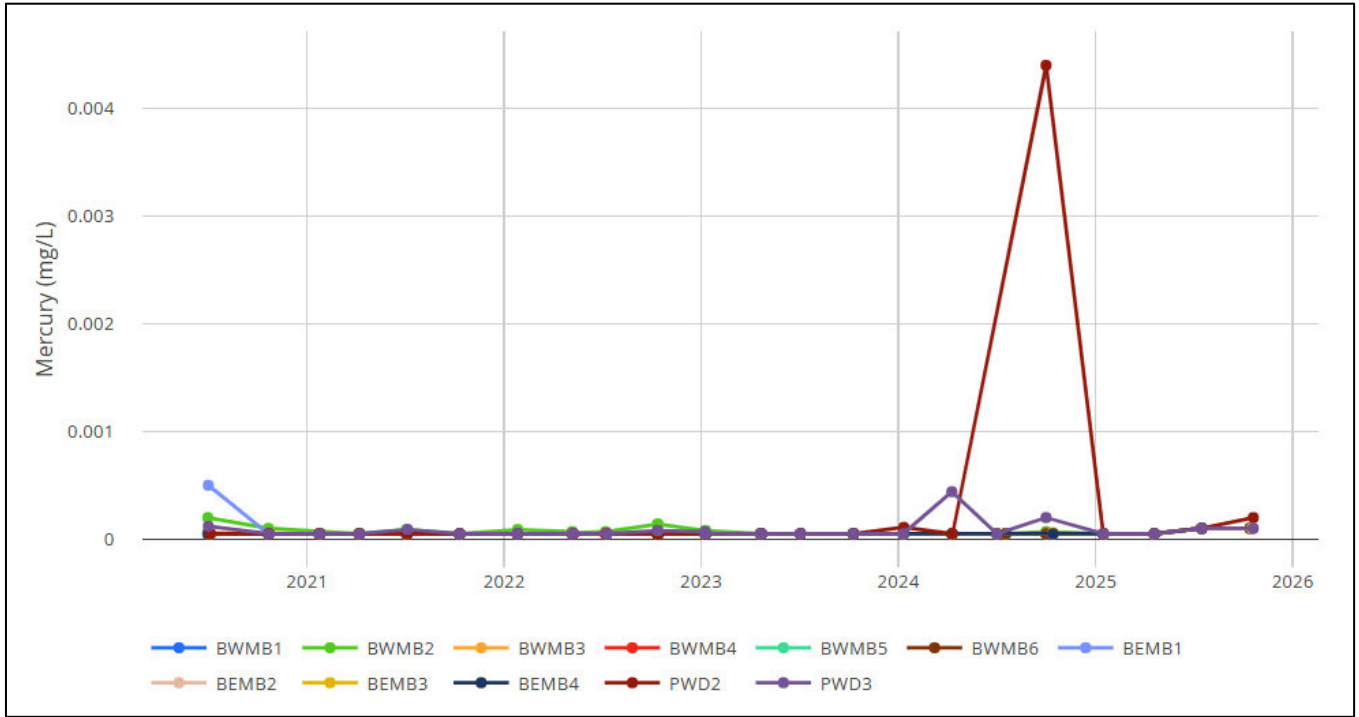


Figure 8. Mercury Concentrations in TSF Bore Samples

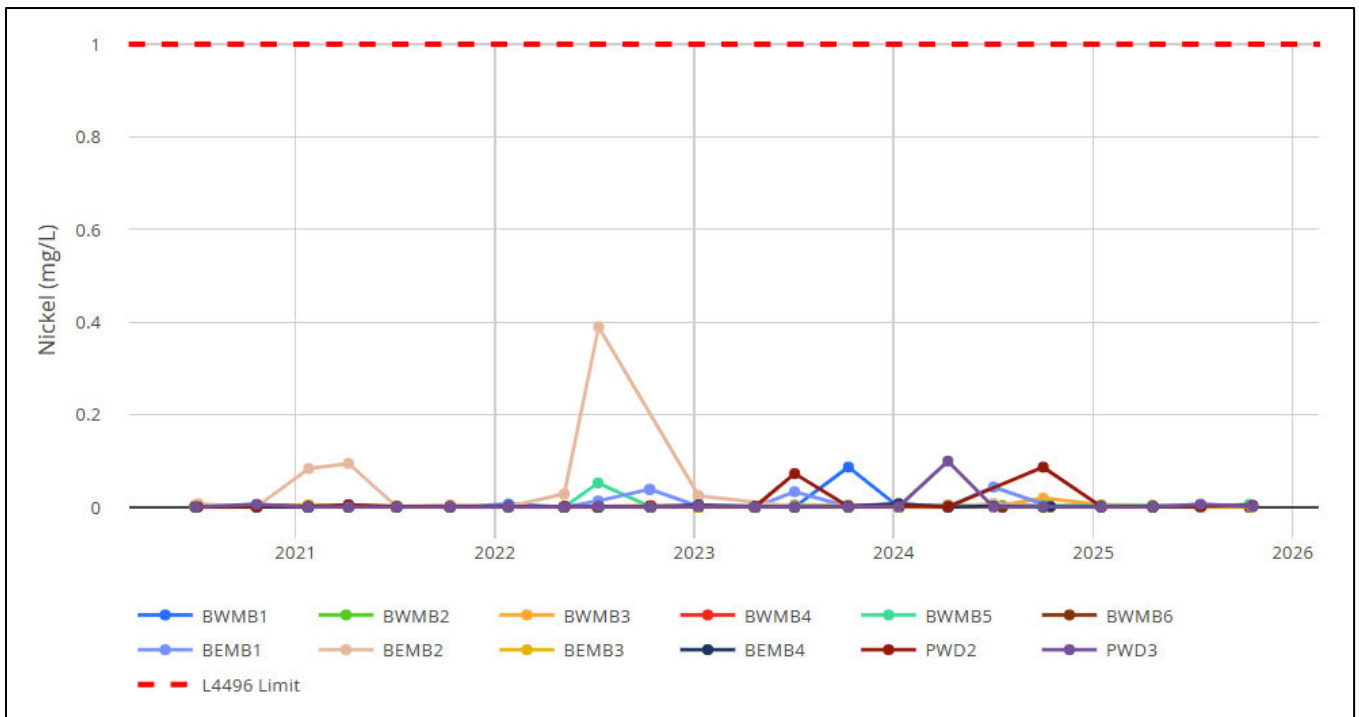


Figure 9. Nickel Concentrations in TSF Bore Samples

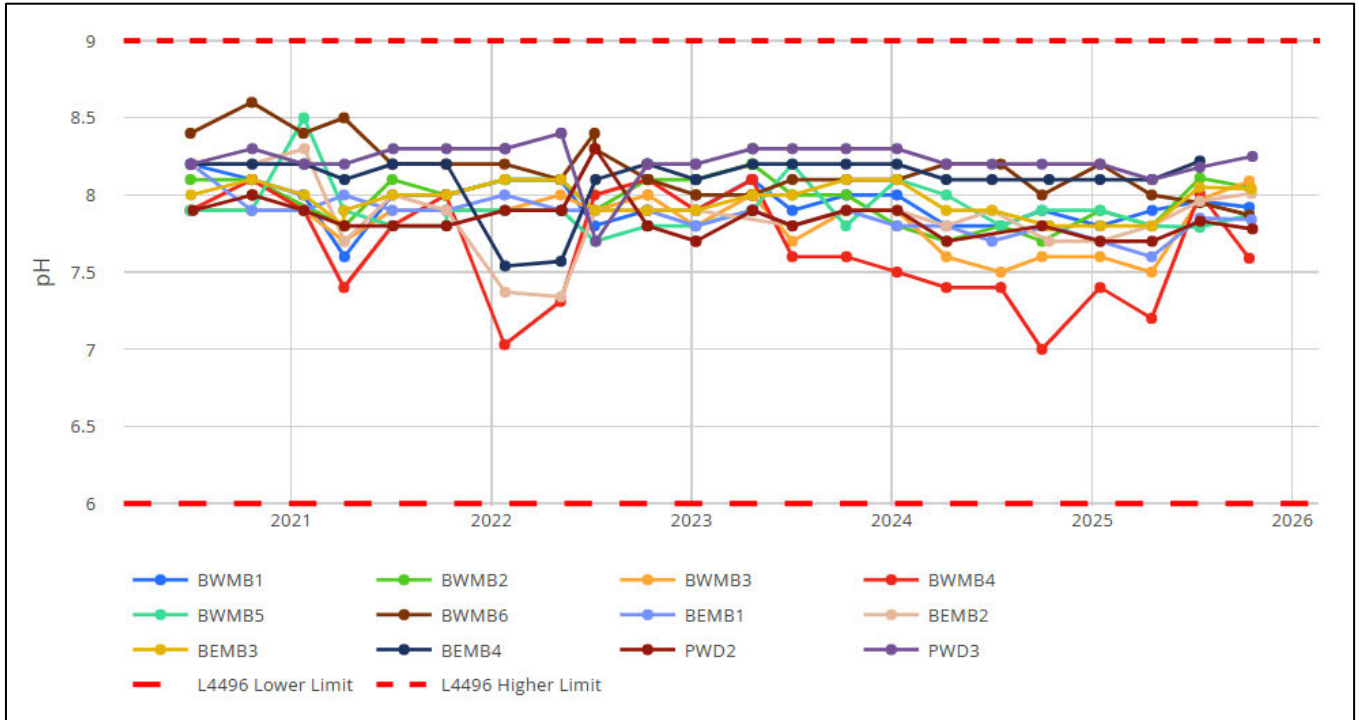


Figure 10. pH Levels in TSF Bore Samples

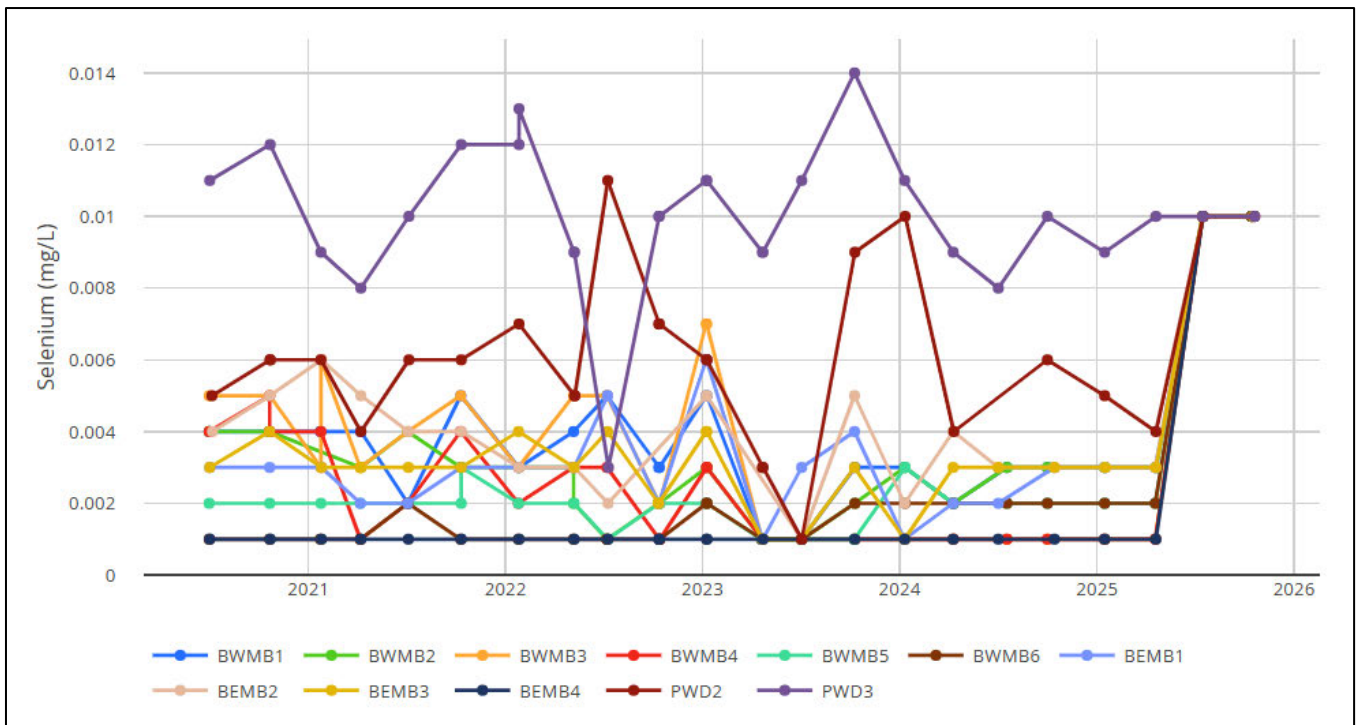


Figure 11. Selenium Concentrations in TSF Bore Samples

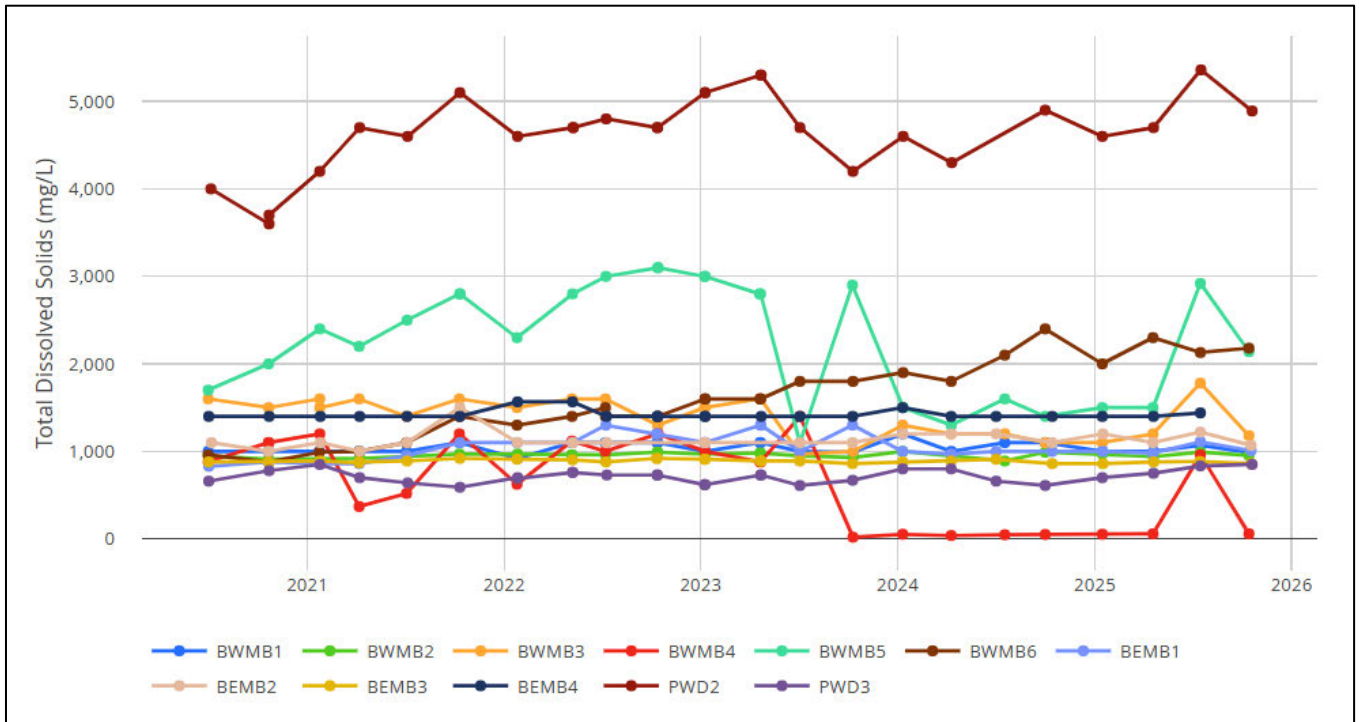


Figure 12. Total Dissolved Solids (TDS) in TSF Bore Samples

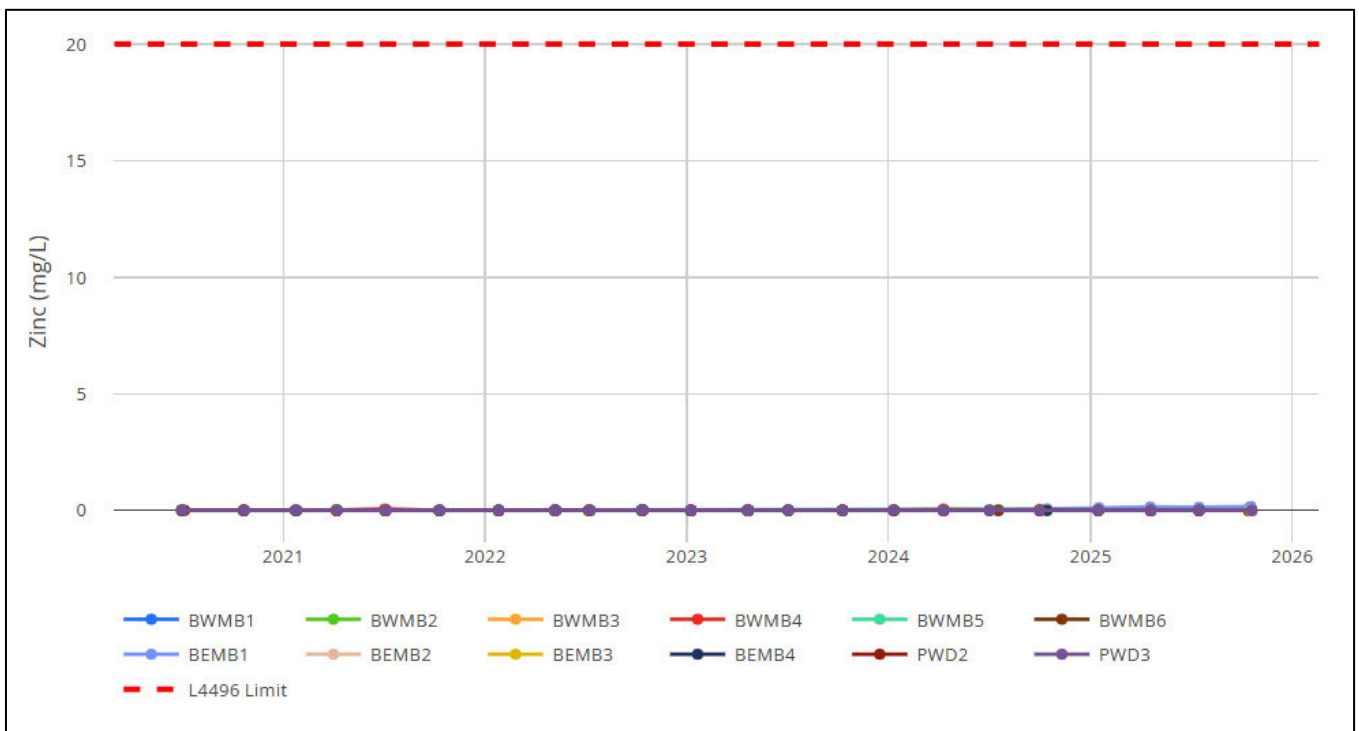


Figure 13. Zinc Concentrations in TSF Bore Samples

7. CONCLUSION

All TSF bore water results collected during the 2024/2025 reporting period complied with the L4496 Licence limits for all listed parameters. The only exception was bore PWD2, which exceeded the ANZG guideline for Total Dissolved Solids (TDS) during the Q4 reporting period.

When assessed against the ANZG Livestock Water Quality Guidelines, PWD2 was again the only location to be above the TDS criteria during Q4.

Across all monitoring locations, the most notable trends observed were:

- A slight but consistent increase in TDS across most bores over time.
- A gradual decrease in pH values over time.

These trends are consistent with the ongoing deposition of tailings material within the facilities. BBGO will continue to monitor all bores closely and report in accordance with L4496 licence requirements.

8. APPENDIX - AACR



Government of **Western Australia**
Department of **Water and Environmental Regulation**

Annual Audit Compliance Report Form

Environmental Protection Act 1986, Part V

Section A – Licence Details			
Licence number:	L4496/1988/11	Licence file number:	DER2017/002073-1
Licence holder:	Big Bell Gold Operations Pty Ltd		
Trading as:	Big Bell Gold Operations Pty Ltd		
ACN:	090 642 809		
Registered address:	Level 6, 197 St Georges Terrace Perth WA, 6000		
Reporting period:	01/09/2024 to 31/08/2025		

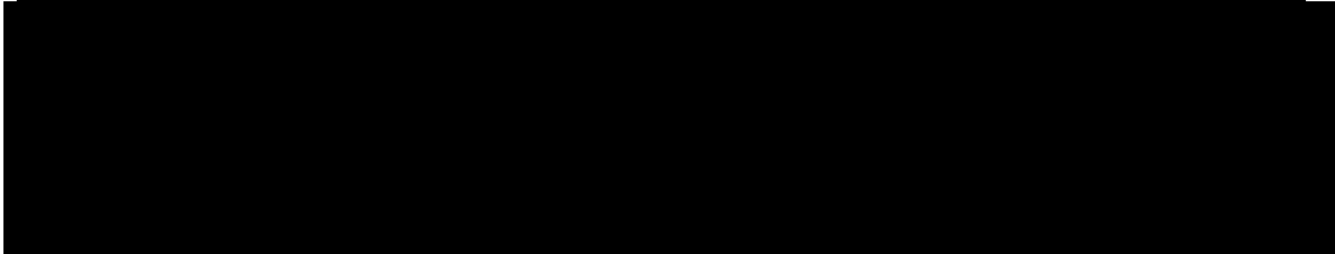
Section B – Statement of Compliance with Licence Conditions
Did you comply with all of your licence conditions during the reporting period? (please tick the appropriate box)
<input checked="" type="checkbox"/> Yes – please complete: <ul style="list-style-type: none"> section C; section D if required; and sign the declaration in Section F.
<input type="checkbox"/> No – please complete: <ul style="list-style-type: none"> section C; section D if required; section E; and sign the declaration at 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	1,204,625 tonnes
6 – Mine Dewatering	402,437 tonnes
52 Electric power generation	0 MW*
63 – Class I inert landfill site	87 cubic metres per day
54 – Sewage facility	900 tonnes
64 - Class II or III Putrescible landfill site	65 tonnes

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		
5 – Processing or Beneficiation of metallic or non-metallic ore	1,204,625 tonnes		
6 – Mine Dewatering	402,437 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:	Click here to enter text.	Date(s) of non-compliance:	
Details of non-compliance			
Click here to enter text.			
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.			
Cause (or suspected cause) of non-compliance:			
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:			
Was this non-compliance previously reported to DWER? No.			
			<input type="checkbox"/> Yes, and
<input type="checkbox"/> Reported to DWER verbally			Date: / /
<input type="checkbox"/> Reported to DWER in writing			Date:

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.



Date:		Date:	
Seal (if signing under seal):			

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.

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.