PEAK MONTHLY ENVIRONMENTAL MONITORING SUMMARY July 2024

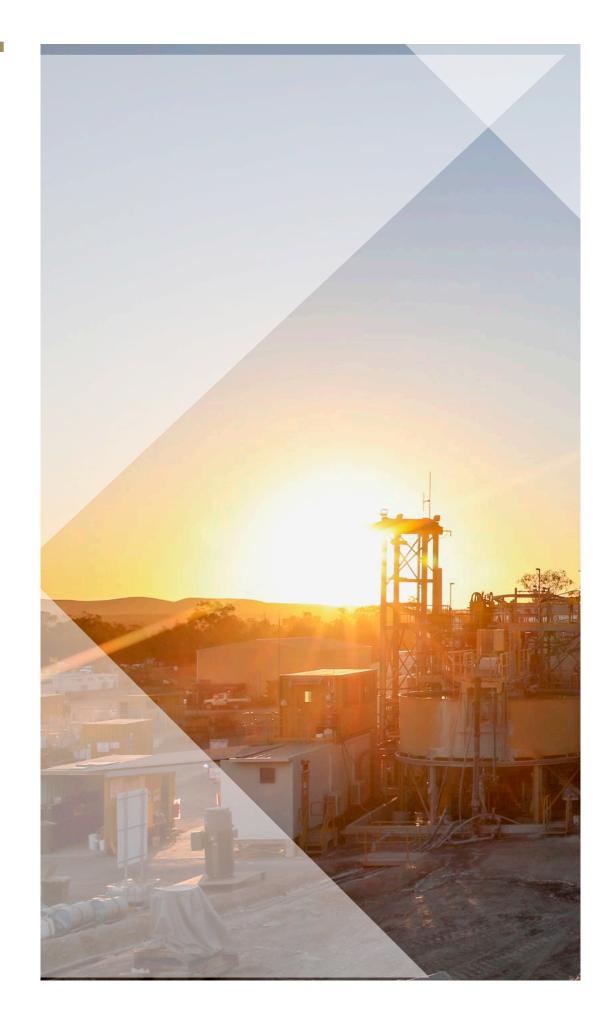


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Author	Molly Barraclough
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1. Intent

This monthly environmental summary report is a requirement under section 66(6) of the NSW Protection of the Environment Operations Act 1997 (POEO Act), in which holders of an environment protection licence make their pollution monitoring data publicly available. This report is intended to keep the community, stakeholders, and regulators informed of Peak Gold Mine's (PGM's) environmental performance and to maintain a transparent and accountable reporting system.

2. Scope

This report covers all PGMs environmental monitoring conditions covered for July 202 4. These conditions, where applicable, are measured against PGMs Environment Protection Licence (EPL 3596), development consent conditions and Australian Standard to determine PGMs compliance.

These conditions include:

- Weather Conditions
- Surface Water Monitoring results
- Noise Monitoring results
- Air Quality Monitoring results
- Blasting monitoring results
- Haulage Movements

3. Definitions

Term	Definition
mm/s	The peak of the vibration in millimet res per second
Insoluble Solids	The insoluble portion of the dust deposited in dust deposition gauge
Total Lead	Including dissolved lead in the liqui d portion and the lead particulates in the filter paper following laboratory analysis
g/m2/month	Grams per square met re per month
dB (L)	Decibel (linear maximum)
dB LAeq (15 minute)	Decibel (linear weighted average over 15 minutes)
CN Free	Free Cyanide (Hydrogen Cyanide and Cyanide ions in solution)
CN WAD	Weak Acid Dissociable Cyanide(includes Cyanide species liberated at moderate pH of 4.5)
TSS	Total Suspended Solids

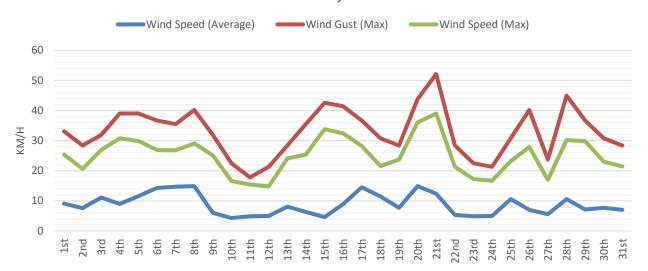
4. Monitoring Results

4.1 Weather

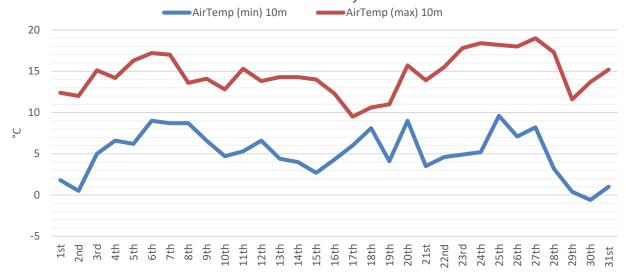
The meteorology monitoring data is acquired through PGM's weather station located 2km South of Cobar.

The Bureau of Meteorology (BOM) website can also be used as an alternate source for this monitoring data.

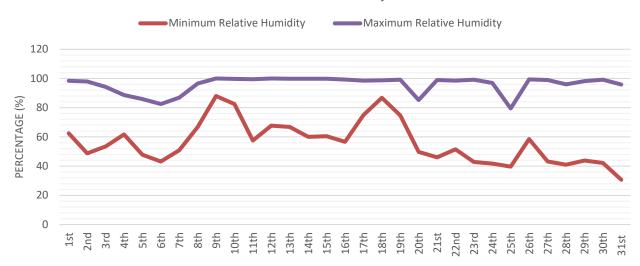
WIND SPEED JULY 2024



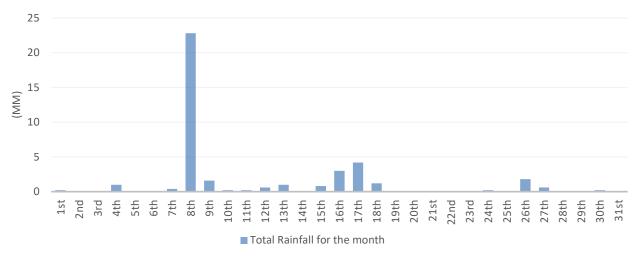
AIR TEMPERATURE JULY 2024



RELATIVE HUMIDITY JULY 2024







Graphs 1-4: Summary of meteorological data for July 2024

4.2 Surface Water

Surface water monitoring involves collecting water samples from several locations around site. The water samples are submitted to a NATA accredited laboratory for physical and chemical analysis. Analysis of pH and electrical conductivity are obtained in the field using a handheld monitor. Table 1 gives the results as per the PGM EPL requirements.

WAD **EPA** Limit CN TSS Oil & identific -**Published** Location Sampled Received CN Free (mg/L) Grease ation no. (mg/L) (mg/L) **Netted Dam** No overflow to Limit 1 Recycled Water Dam 16/0 7/24 29/0 7/2 4 7/08 /24 No 26.8 15.0 2 **Decant Dam** Limit 16/0 7/24 29/0 7/2 4 7/08 /24 No 243 176 TSF feed 5 Limit Young No 6 Australia Limit Complex No 7 Spain's Dam Limit

Table 1: Surface Water moni toring results

4.3 Noise Monitoring

A hand -held monitor is used by PGM employees to monitor noise levels at times set out by the EPL and development consent conditions. Noise monitoring is conducted at the closest residen ce (Figure 1) and sporadically depending on operational requirements. PGM 's closest monitoring point is located at the Dellavale boundary, approximately 400m closer to the mine noise than the residence. To determine the noise level (dB) experienced at the residence, sound intensity I and the inverse square law 1/r² is calcul ated based on the residences distance from mine noise source.

Noise monitoring results are below in Table 3. L icenced noise limits set by the EPL and development consent conditions are given in Table 2.

^{*}No monitoring required

^{**}No discharge



Figure 1: Location of the "Dellavale" properties house (blue circle) and noise monitoring location (red diamond).

Table 2: Noise Monitoring levels

Time Band	Day	Noise Level (dB)
7:00am - 6:00pm	Mon – Fri	45
6:00pm - 10:00pm	Mon – Fri	40
10:00pm - 7:00am	Mon – Fri	35
7:00am - 1:00pm	Sat	45
1.00pm - 7:00am	Sat	35
12:00am – 12:00pm	Sun	35

Table 3: Attended Noise Monitoring Results

Location	Sampled & Obtained	Published	Time	LA 10 (dB) Limit	LA 10 (dB) Monitoring Result at Monitor Location	LA 10 (dB) Calculated Monitoring Result at Residence (compliance location)	Key No Source		Complies
Dellavale	23/0 7/2 4	7/08 /24	17:45	45	41.2	37.22	Highw traffic,	•	Yes
* Data Inval	id due to high w	vind speed	I.e. 3.28 -3	.55 m/s.	This Is higher	than allowable l	EPL	limit of	3m/s.

^{**} It complies due to noise not being emitted by PGM

4.4 Air Quality

Fall out dust deposition bottles are currently used to monitor air quality. The bottles are positioned in the field (Figure 2) for a period of 30 ± 2 days. Monitoring is required to be undertaken quarterly; however, we conduct monthly monitoring . The bottles are then sent to Australian Laboratory Services (ALS) for external analysis.

PGM has no set limits for air quality monitoring levels. However, PGM takes on board the EPAs best practice limit of $4g/m^2$ /time (limit is applicable to a 12 -month averaging period). If the 12 -month rolling average of a result is greater than $4g/m^2$ /time, th e cause will be investigated .



Figure 2: Location of dust gauges on PGM Mining Leases

Table 4: Air Quality Results

EPA identific - ation no.	Site	Sampled	Received	Published	Australian Standard Limit (g/m2/month)	Insoluble Solids (g/m2/month)		Complies
8	DM1	10/07/24 - 5/08/2024	03/09/24	6/09/24	4	0.1	< 0.00000050	Yes
9	DM2	10/07/24 - 5/08/2024	03/09/24	6/09/24	4	0.1	0.000197	Yes
10	DM3	10/07/24 - 5/08/2024	03/09/24	6/09/24	4	5.0	0.0624	Yes
11	DM4	10/07/24 - 5/08/2024	03/09/24	6/09/24	4	0.2	0.000224	Yes
4	Dellavale	10/07/24 - 5/08/2024	03/09/24	6/09/24	4	0.1	0.0000401	Yes
3	Bimbimbie	10/07/24 - 5/08/2024	03/09/24	6/09/24	4	0.2	0.0000214	Yes

4.5 Blast Monitoring

The vibration monitoring results displayed in Table 6 represents all blast vibration events that were trigged at the New Occidental, Fort Bourke and/or Dellavale monitors (Figure 3).

As seen in Table 6 blasting events for the month were below PGMs EPL limits. Vibration limits set by the NSW Environmental Protection Authority (EPA) can be viewed in Table 5.

The compliance against the overall 12 -month period will be reported in the EPL Annual Return



Figure 3: Locat ion of Vibration Monitors on PGM's Mining Lease

Table 5: PGM EPL Limits

Peak Particle Velocity (mm/s)	Allowable Exceedance		
5.00	<5% of the total number of blasts in a 12	-month period are to be	above 5mm/s
10.00	NIL		

Table 6: Vibration Results

Location	Sampled & Received	ID	New Occidental (mm/s)	Fort Bourke (mm/s)	Dellavale (mm/s)	Complies
Peak	1/07/2024	KRS_1080_NTH_Panel	no trigger	no trigger	no trigger	yes
New Cobar	3/07/2024	JUB_17_NTH_480	0.05	5.45	triggered	yes
New Cobar	8/07/2024	CHS_9970_STH_400	no trigger	no trigger	no trigger	yes
New Cobar	9/07/2024	CHS_9970_NTH_440	0.33	1.77	2.43	yes
New Cobar	9/07/2024	CHS_9970_STH_400	no trigger	no trigger	no trigger	yes
New Cobar	14/07/2024	CHS_9735_STH_450	0.19	Triggered	0.65	yes
Peak	20/07/2024	KRS_1205_DEC	0.25	0.15	0.19	yes
New Cobar	21/07/2024	CHS_9735_STH_450	no trigger	no trigger	no trigger	yes
New Cobar	21/07/2024	JUB_17_NTH_480	0.37	1.95	1.25	yes
Peak	26/07/2024	S4U_9201_770_520	no trigger	no trigger	no trigger	yes
New Cobar	29/07/2024	CHS_9970_STH_400	0.47	1.23	triggered	yes
Peak	30/07/2024	KRS_980_INC	0.18	0.28	triggered	yes

4.6 Haulage Movements

PGM is required to monitor the number of truck loads undertaken from New Cobar to the Peak site as per current consent conditions. In the month of July, 775 truckloads were permitted to be delivered to Peak Gold Mine. In total, 430 truckloads were completed. Table 7 shows a summary of the trucking for the month.

Table 7: Haulage Summary

rable 7. Hadiage Sulfillary				
Date	Truck Loads			
1/07/2024	23			
2/07/2024	11			
3/07/2024	22			
4/07/2024	24			
5/07/2024	22			
6/07/2024	0			
7/07/2024	0			
8/07/2024	0			
9/07/2024	0			
10/07/2024	24			
11/07/2024	25			
12/07/2024	25			
13/07/2024	0			
14/07/2024	0			
15/07/2024	20			
16/07/2024	15			
17/07/2024	0			
18/07/2024	0			
19/07/2024	24			
20/07/2024	0			
21/07/2024	0			
22/07/2024	26			
23/07/2024	25			
24/07/2024	27			
25/07/2024	8			
26/07/2024	43			
27/07/2024	0			
28/07/2024	0			
29/07/2024	41			
30/07/2024	25			
31/07/2024	0			
Average	13.87			