

Table of Contents

1. ln	tent	3
	cope	
3. D	efinitions	3
4. M	onitoring Results	4
4.1	Weather	4
4.2	Surface Water	6
	Noise Monitoring	
	Air Quality	
	Blast Monitoring1	
4.6	Haulage Movements1	2

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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 2023. 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

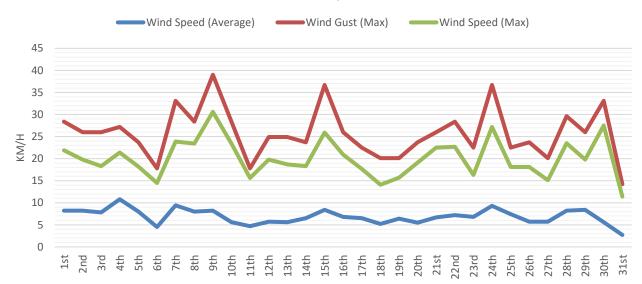
Term	Definition
mm/s	The peak of the vibration in millimetres per second
Insoluble Solids	The insoluble portion of the dust deposited in dust deposition gauge
Total Lead	Including dissolved lead in the liquid portion and the lead particulates in the filter paper following laboratory analysis
g/m2/month	Grams per square metre 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

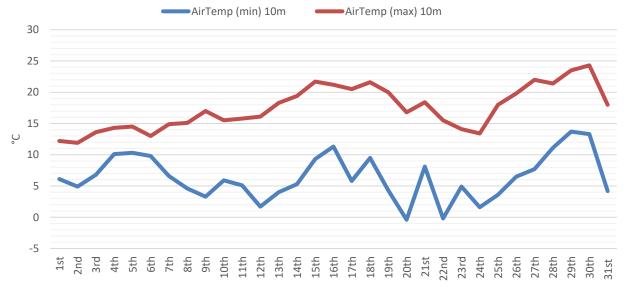
4.1 Weather

The meteorology monitoring data is acquired through PGM's weather station located 2km South of Cobar. The BOM website can also be used as an alternate source for this monitoring data.

WIND SPEED JULY 2023

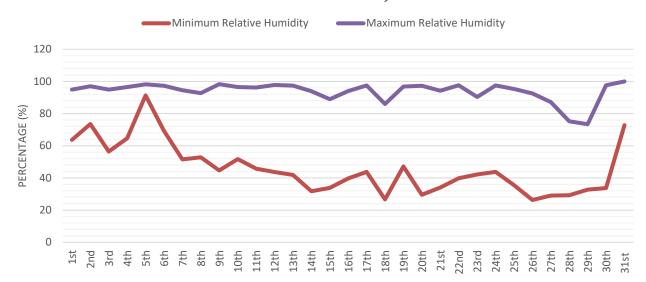


AIR TEMPERATURE JULY 2023

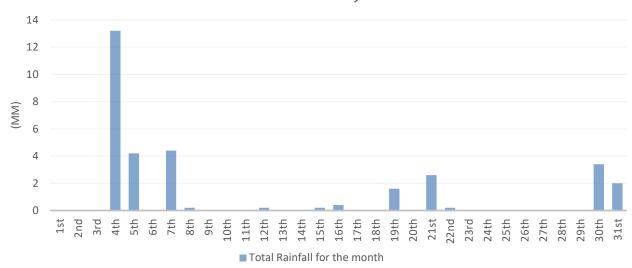


JULY 2023

RELATIVE HUMIDITY JULY 2023



TOTAL RAINFALL JULY 2023



Graphs 1-4: Summary of meteorological data for July 2023

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.

EPA Limit WAD CN TSS Oil & identific-Location Sampled Received **Published** CN Free (mg/L) Grease ation no. (mg/L) (mg/L) **Netted Dam** Νo overflow to Limit 1 Recycled Water Dam 10/07/23 24/07/23 4/08/23 Νo 14.7 6.6 2 Decant Dam Limit 10/07/23 24/07/23 4/08/23 Νo 51.3 39.6 * 5 TSF feed Limit Νo * ** ** Young 6 Australia Limit Complex ** Νo * ** 7 Spain's Dam Limit

Table 1: Surface Water monitoring 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 residence (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 $1/r^2$ is calculated based on the residence's distance from mine noise source.

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

^{*} No monitoring required

^{**}No discharge occurred



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	Key Noise Source	Complies
Dellavale	26/07/23	4/08/23	14:34	45	41.2	37.22	Highways traffic, birds	Yes

^{*} Data Invalid due to high wind speed I.e. 3.28-3.55m/s. This Is higher than allowable 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/m²/time (limit is applicable to a 12-month averaging period). If the 12-month rolling average of a result is greater than 4g/m²/time, the cause will be investigated.



Figure 2: Location of dust gauges on PGM Mining Leases

JULY 2023

Table 4: Air Quality Results

EPA identific- ation no.	Site	Sampled	Received	Published	Australian Standard Limit (g/m2/month)	Insoluble Solids (g/m2/month)	Total Lead (g/m2/month)	Complies
8	DM1	26/06/23 - 24/07/23	07/08/23	20/09/23	4	0.3	0.000209	Yes
9	DM2	26/06/23 - 24/07/23	07/08/23	20/09/23	4	3.6	0.0522	Yes
10	DM3	26/06/23 - 24/07/23	07/08/23	20/09/23	4	0.1	<0.0000005	Yes
11	DM4	26/06/23 - 24/07/23	07/08/23	20/09/23	4	<0.1	<0.0000005	Yes
4	Dellavale	26/06/23 - 24/07/23	07/08/23	20/09/23	4	2.8	0.000181	Yes
3	Bimbimbie	26/06/23 - 24/07/23	07/08/23	20/09/23	4	0.2	0.000104	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: Location 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

	Sampled &	ID	New	Fort	Dellavale	Complies
Location	Received		Occidental (mm/s)	Bourke (mm/s)	(mm/s)	
Peak	04-07-23	NCB_JUB_21_NTH_435	No Trigger	No Trigger	No Trigger	Yes
Peak	06-07-23	CRS_9460_785_500	No Trigger	No Trigger	No Trigger	Yes
Peak	07-07-23	CRS_9520_ODS_790	No Trigger	No Trigger	No Trigger	Yes
Peak	08-07-23	CRS_9740_INC	No Trigger	No Trigger	No Trigger	Yes
Peak	09-07-23	NCB_JUB_21_NTH_435	No Trigger	No Trigger	No Trigger	Yes
Peak	14-07-23	CRS_9740_INC	No Trigger	No Trigger	No Trigger	Yes
Peak	14-07-23	CRS_9690_795_535	No Trigger	No Trigger	No Trigger	Yes
New Cobar	15-07-23	NCB_JUB_21_NTH_435	0.03	1.62		Yes
Peak	15-07-23	CRS_9520_ODS_790	0.25	0.01	0.01	Yes
Peak	15-07-23	CRS_9690_795_535	No Trigger	No Trigger	No Trigger	Yes
New Cobar	16-07-23	NCB_JUB_21_NTH_435	0.04	2.82	0.26	Yes
Peak	Peak 18-07-23 CRS_9690_795_535		No Trigger	No Trigger	No Trigger	Yes
Peak	Peak 19-07-23 CRS_9690_795_535		No Trigger	No Trigger	No Trigger	Yes
New Cobar 20-07-23 NCB_JUB_21_NTH_435		0.06	4.6	0.44	Yes	
Peak	21-07-23	KRS_1130_STH_645	No Trigger	No Trigger	No Trigger	Yes
Peak	Peak 24-07-23 S4U_9221_ODW_750_(ACC)		0.15	0.01	0.01	Yes
Peak	27-07-23	10050_INC	0.15	0.01	0.01	Yes
New Cobar	27-07-23	NCB_JUB_21_NTH_435	0.1	5.72	0.8	Yes
Peak	Peak 30-07-23 PVD_8720_STH_665		No Trigger	No Trigger	No Trigger	Yes
Peak	Peak 31-07-23 CRS_9520_ODS_790		0.26	0.13	0.18	Yes
Peak	31-07-23	CRS_9560_ODS_765	0.23		0.01	Yes
Peak	31-07-23	CRS_9740_INC	0.18	0.01	0.01	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, 142 truckloads were completed. Table 7 shows a summary of the trucking for the month.

Table 7: Haulage Summary

Table 7. Had	nage Summary
Date	Truck Loads
01-07-2023	0
02-07-2023	0
03-07-2023	0
04-07-2023	0
05-07-2023	0
06-07-2023	0
07-07-2023	0
08-07-2023	0
09-07-2023	0
10-07-2023	0
11-07-2023	0
12-07-2023	0
13-07-2023	0
14-07-2023	0
01-07-2023	0
15-07-2023	0
16-07-2023	0
17-07-2023	0
18-07-2023	0
19-07-2023	0
20-07-2023	16
21-07-2023	0
22-07-2023	0
23-07-2023	6
24-07-2023	22
25-07-2023	14
26-07-2023	18
27-07-2023	16
28-07-2023	30
29-07-2023	20
30-07-2023	0
31-07-2023	0
Average	4.58