PEAK MONTHLY ENVIRONMENTAL MONITORING SUMMARY MARCH 2025

TECHNICAL REPORT

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Version	2.0
Date Created	30th March 2025
Review Date	

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 March 2025. 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

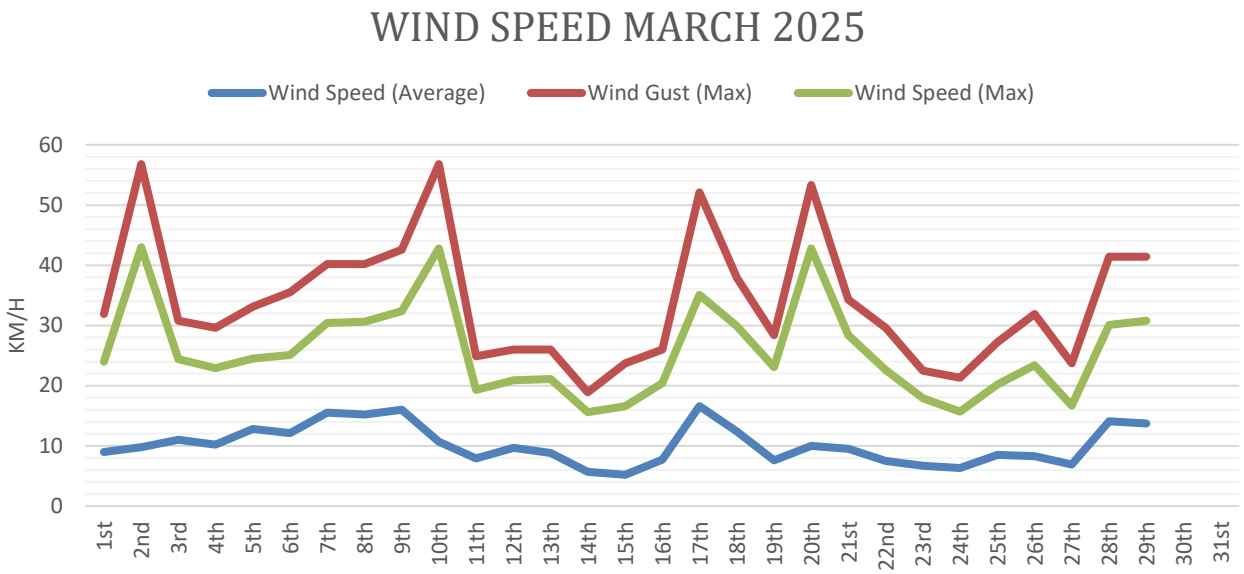
Term	Definition
mm/s	The peak of the vibration in millimet res per second
Insoluble Solids	The insoluble portion of the dust deposited in dust deposition gauge
Total Lead	Including dissolved lead in the liqui d portion and the lead particulates in the filter paper following laboratory analysis
g/m2/month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

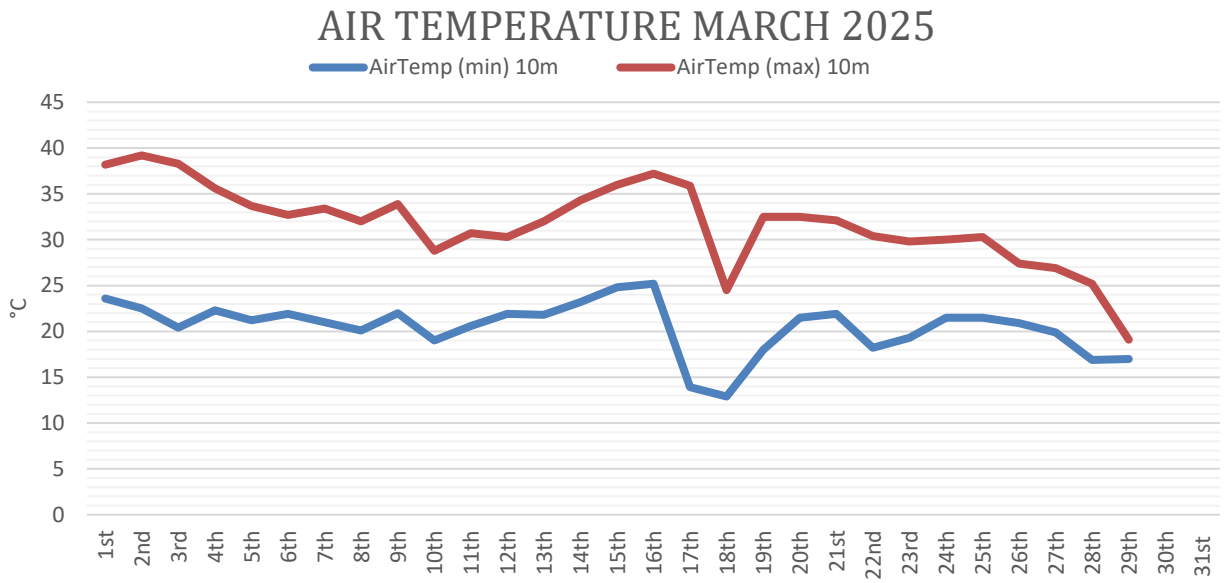
4. Monitoring Results

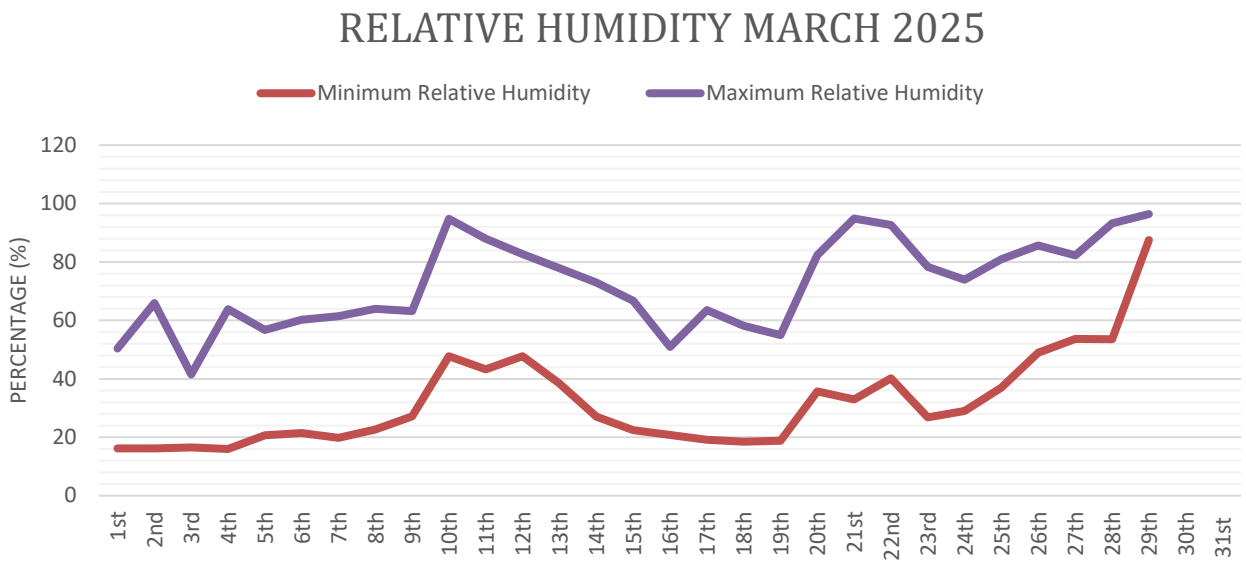
4.1 Weather

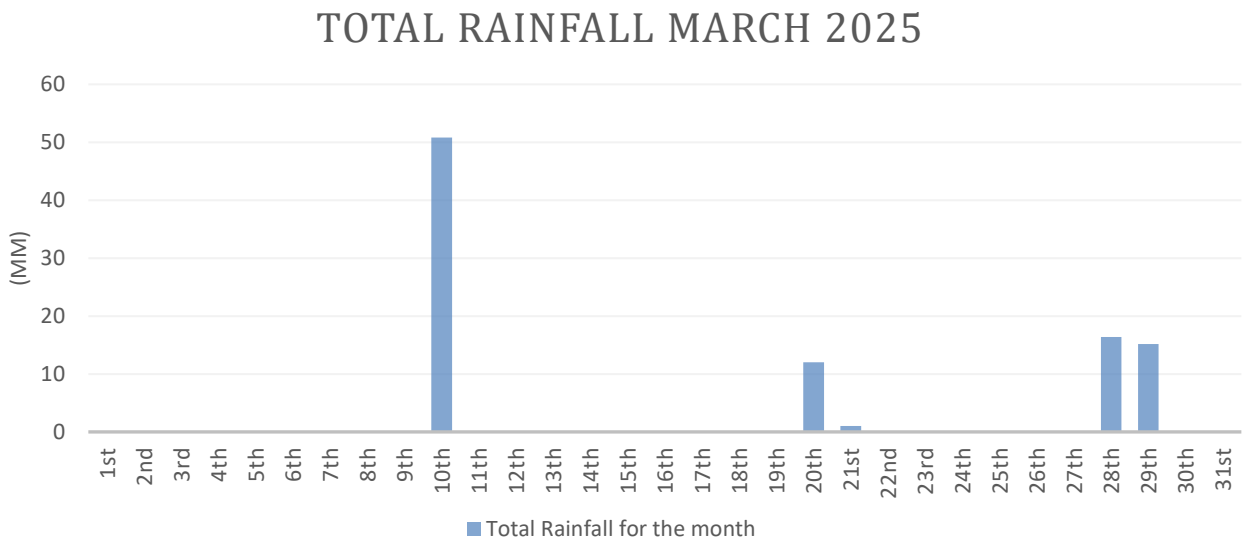
The meteorology monitoring data is acquired through PGM's weather station located 2km South of Cobar.

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









Graphs 1-4: Summary of meteorological data for March 2025

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.

Table 1: Surface Water monitoring results

EPA identification no.	Location	Sampled	Received	Published	Limit	WAD CN (mg/L)	CN Free (mg/L)	TSS (mg/L)	Oil & Grease
1	Netted Dam overflow to Recycled Water Dam				No Limit	**	**	*	*
2	Decant Dam				No Limit			*	*
5	TSF feed	10.03.2025	24.03.25	30.03.25	No Limit	293	248	*	*
6	Young Australia Complex				No Limit	*	*	**	**
7	Spain's Dam				No Limit	*	*	**	**

*No monitoring required

**No discharge

***No water in dam

Water sampling results for the Decant Dam have not been received yet, the table will be updated once they have been received .

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 residences 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.

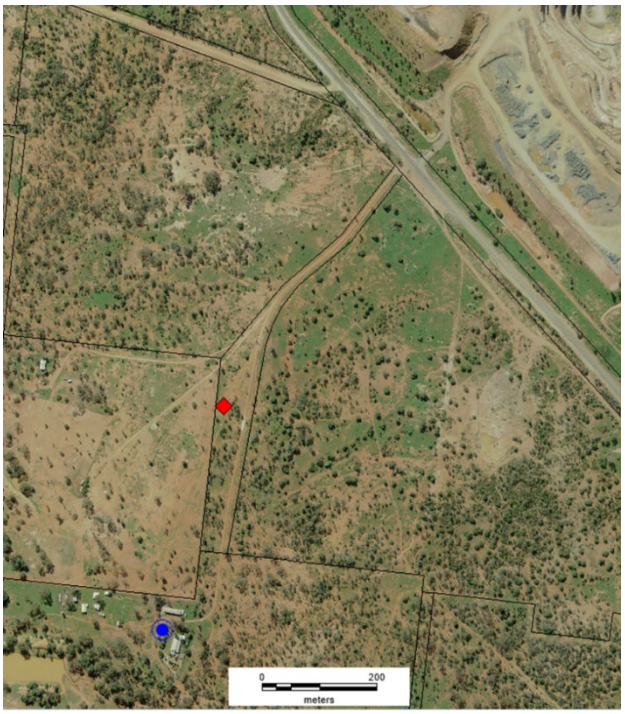


Figure 1: Location of the "Dellavale" properties house (blue circle) and noise monitoring location (red diamond).

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	14/0 3/2025	15/ 03/2025	12:49	45	38.3	34.32	Birds	Yes
Dellavale	15/03/2025	15/03/2025	9:09	45	42.2	38.22	Highway traffic, mine vehicles	Yes
Dellavale	26/03/2025	30/03/2025	7:52	45	45.1	41.12	NC trucks, highway traffic, birds	Yes
Dellavale	30/03/2025	30/03/2025	7:53	35	40	36.02	Birds, highway traffic	Yes**

* Data Invalid due to high wind speed I.e. 3.28 -3.55 m/s. This Is higher than allowable EPL limit of 3m/s.

** It complies due to noise not being emitted by PGM .

*** None conducted during the time .

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

Table 4: Air Quality Results

EPA identification no.	Site	Sampled	Received	Published	Australian Standard Limit (g/m2/month)	Insoluble Solids (g/m2/month)	Total Lead (g/m2/month)	Complies
8	**DM1**	4.03.2025 -			4			
9	**DM2**	4.03.2025 -			4			
10	**DM3**	4.03.2025 -			4			
11	**DM4**	4.03.2025 -			4			
4	**Dellavale**	4.03.2025 -			4			
3	**Bimbimbie**	4.03.2025 -			4			

Air quality results have not been received yet. The document will be updated once the results have come in.

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

Location	Sampled & Received	ID	New Occidental (mm/s)	Fort Bourke (mm/s)	Dellavale (mm/s)	Complies
New Cobar	1/03/2025	CRS_9770_STH_510	no trigger	no trigger	no trigger	Yes
Peak	5/03/2025	KRS_1055_NTH_635 -620	no trigger	no trigger	no trigger	Yes
New Cobar	8/03/2025	CRS_9520_790_505	no trigger	no trigger	no trigger	Yes
New Cobar	9/03/2025	CHS_10070_ODN	0.02	1.52	0.09	Yes
New Cobar	9/03/2025	JUB_15_NTH_555	no trigger	no trigger	no trigger	Yes
Peak	9/03/2025	KRS_1210_EWD_01	0.06	0.13	0.31	Yes
New Cobar	15/03/2025	Hulk_9040_ACC	0.34	8.46	1.69	Yes
Peak	15/03/2025	NCB_28_170_930	no trigger	no trigger	no trigger	Yes
New Cobar	17/03/2025	CRS_9520_790_505	no trigger	no trigger	no trigger	Yes
Peak	18/03/2025	KRS_930_DEC	0.07	0.19	triggered	Yes
New Cobar	19/03/2025	CHS_10005_STH_365	0.07	0.58	0.42	Yes
New Cobar	20/03/2025	JUB_15_NTH_555	0.03	4.35	triggered	Yes
New Cobar	23/03/2025	JUB_15_NTH_555	0.03	4.9	0.2	Yes
New Cobar	26/03/2025	CHS_10100_INC	0.1	0.48	0.58	Yes
New Cobar	27/03/2025	CRS_9770_ACC_795	0.06	0.29	0.34	Yes
New Cobar	29/03/2025	CRS_9490_765_560	no trigger	no trigger	no trigger	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. During the month of March, 775 truckloads were permitted to be delivered to Peak Gold Mine. In total, 176 truckloads were completed. Table 7 shows a summary of the trucking for the month.

Table 7: Haulage Summary

Date	Truck Loads
1/03/2025	0
2/03/2025	0
3/03/2025	0
4/03/2025	0
5/03/2025	0
6/03/2025	0
7/03/2025	0
8/03/2025	0
9/03/2025	0
10/03/2025	0
11/03/2025	0
12/03/2025	0
13/03/2025	0
14/03/2025	0
15/03/2025	0
16/03/2025	0
17/03/2025	26
18/03/2025	25
19/03/2025	11
20/03/2025	18
21/03/2025	26
22/03/2025	0
23/03/2025	0
24/03/2025	23
25/03/2025	25
26/03/2025	22
27/03/2025	0
28/03/2025	0
29/03/2025	0
30/03/2025	0
Average	**5.87**

Table 8: Document Revision

Revision	Date	Change Details	Change Approved By
V1	15/03/2025	Available data entered	Sara Waak
V2	30/03/2025	Additional available data entered	Sara Waak