TECHNICAL
REPORT

PEAK MONTHLY ENVIRONMENTAL MONITORING SUMMARY SEPTEMBER 2025

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Author	Sara Waak
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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 September 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

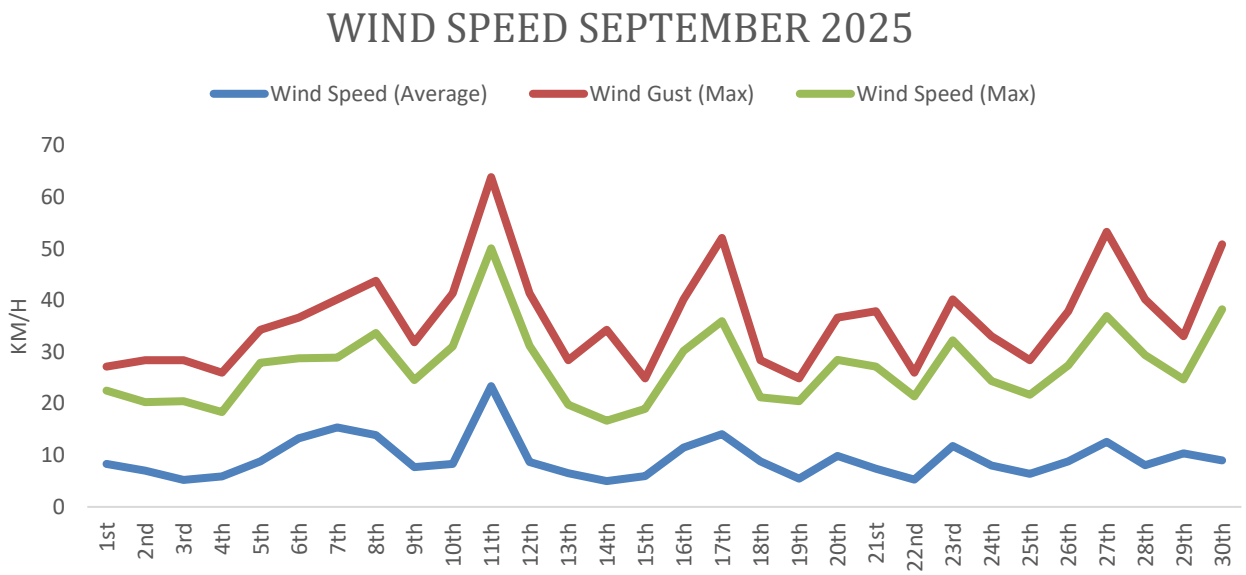
Term	Definition
mm/s	The peak of the vibration in millimet res per second
Insoluble Solids	The insoluble portion of the dust deposited in dust deposition gauge
Total Lead	Including dissolved lead in the liqui d portion and the lead particulates in the filter paper following laboratory analysis
g/m2/month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

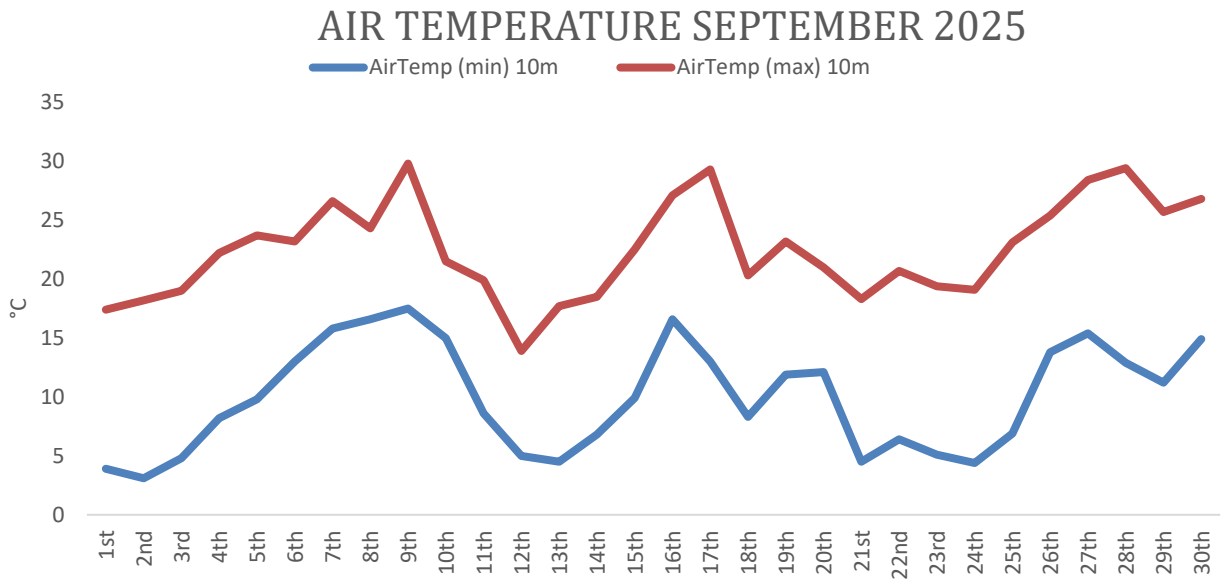
4. Monitoring Results

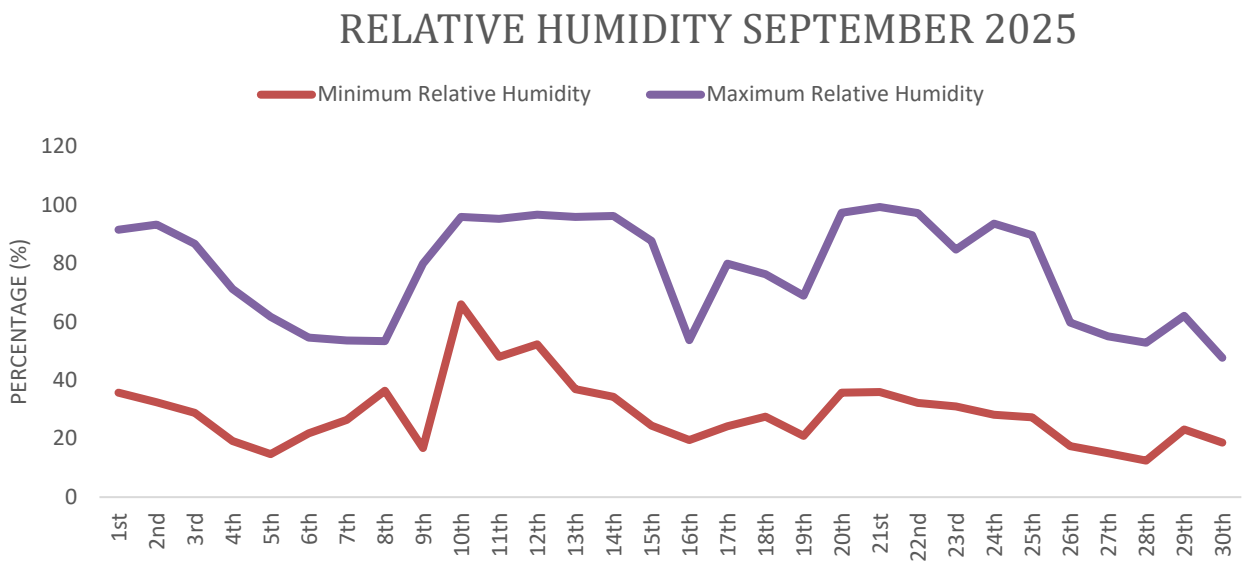
4.1 Weather

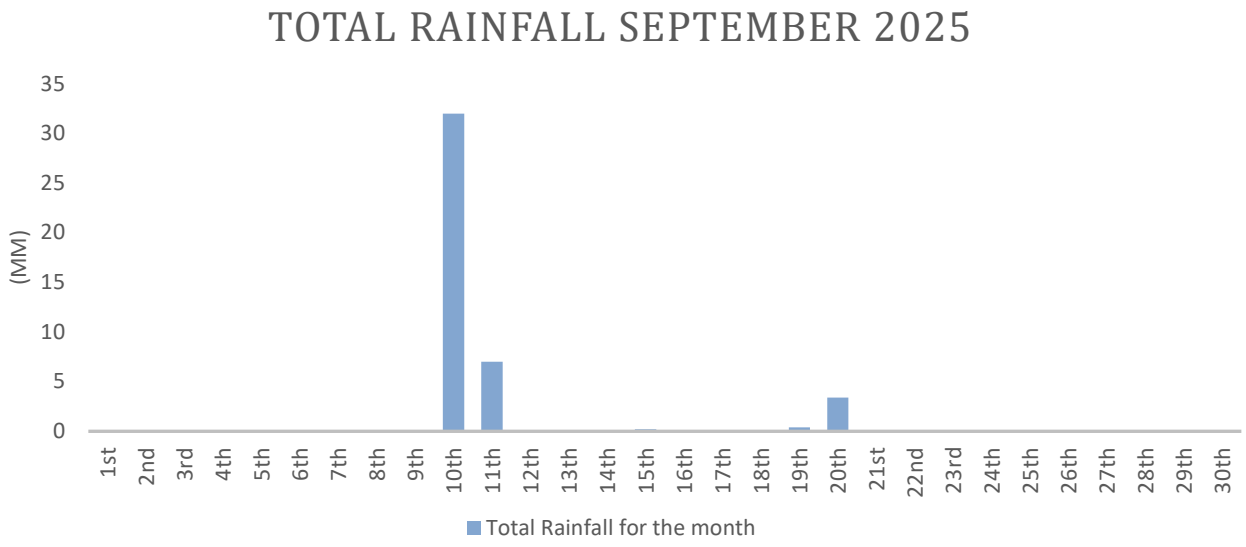
The meteorology monitoring data is acquired through PGM's weather station located 2km South of Cobar.

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 September 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	8.09.2025	19.09.2025	13.10.2025	No Limit	27.8	23.7	*	*
6	Young Australia Complex				No Limit	*	*	**	**
7	Spain's Dam				No Limit	*	*	**	**

*No monitoring required

**No discharge

***No water in dam

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.

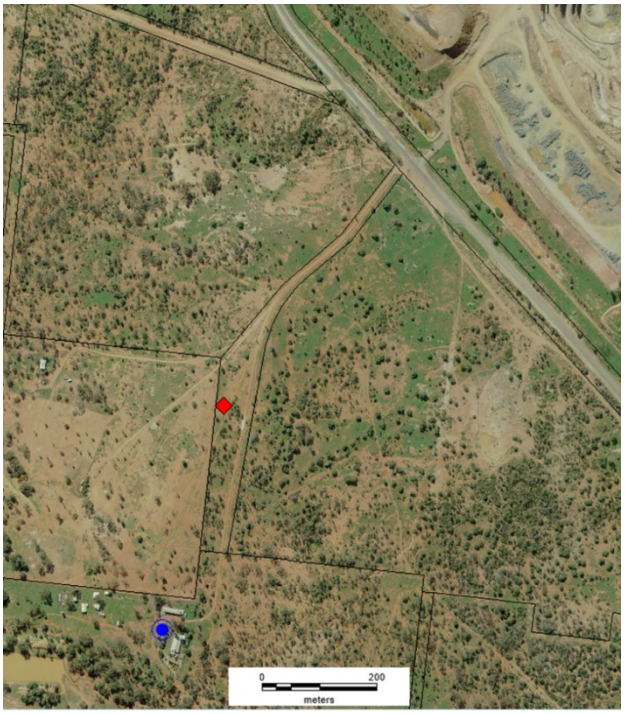


Figure 1: Location of the "Dellavale" properties house (blue circle) and noise monitoring location (red diamond).

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	22.09.2025	26.10.2025	5:30am	35	49.3	45.32	Highway traffic, birds	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**	01.09.2025 – 2.10.2025	17.10.2025	29.10.2025	4	1.5	0.000369	Yes
9	**DM2**	01.09.2025 – 2.10.2025	17.10.2025	29.10.2025	4	2.1	0.000637	Yes
10	**DM3**	01.09.2025 – 2.10.2025	17.10.2025	29.10.2025	4	3.0	0.0168	Yes
11	**DM4**	01.09.2025 – 2.10.2025	17.10.2025	29.10.2025	4	0.7	0.00144	Yes
4	**Dellavale**	01.09.2025 – 2.10.2025	17.10.2025	29.10.2025	4	0.8	0.000296	Yes
3	**Bimbimbie**	01.09.2025 – 2.10.2025	17.10.2025	29.10.2025	4	1.4	0.000801	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

Location	Sampled & Received	ID	New Occidental (mm/s)	Fort Bourke (mm/s)	Dellavale (mm/s)	Complies
New Cobar	7/09/2025	NCB_64_NTH_445	0.43	power outage	1.51	Yes
New Cobar	13/09/2025	CRS_9350_800_690	not triggered	not triggered	not triggered	Yes
New Cobar	15/09/2025	GCB_DEC_01	0.09	0.12	0.16	Yes
New Cobar	17/09/2025	GCB_DEC_01- Inc XCUT 01	0.07	0.21	0.27	Yes
New Cobar	18/09/2025	JUB_15_NTH_475	0.06	5.20	0.43	Yes
New Cobar	20/09/2025	GCB_DEC_01- Inc XCUT 01	0.07	0.29	0.30	Yes
New Cobar	21/09/2025	JUB_15_NTH_475	0.10	5.69	0.60	Yes
New Cobar	22/09/2025	GCB_DEC_02	0.02	0.11	0.06	Yes
New Cobar	23/09/2025	GCB_DEC_01	0.02	0.06	0.05	Yes
New Cobar	24/09/2025	CRS_9300_STH_565	not triggered	not triggered	not triggered	Yes
New Cobar	26/09/2025	CHS_9660_ODS	0.02	0.06	0.06	Yes
New Cobar	29/09/2025	CHS_10070-10100_RAR	not triggered	not triggered	not triggered	Yes
Peak	29/09/2025	PVA_9140_ODN	0.07	0.21	0.35	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 September, 775 truckloads were permitted to be delivered to Peak Gold Mine. In total, 239 truckloads were completed. Table 7 shows a summary of the trucking for the month.

Table 7: Haulage Summary

Date	Truck Loads
1/09/2025	0
2/09/2025	0
3/09/2025	0
4/09/2025	0
5/09/2025	7
6/09/2025	18
7/09/2025	0
8/09/2025	21
9/09/2025	0
10/09/2025	0
11/09/2025	0
12/09/2025	0
13/09/2025	0
14/09/2025	0
15/09/2025	0
16/09/2025	15
17/09/2025	29
18/09/2025	23
19/09/2025	14
20/09/2025	0
21/09/2025	0
22/09/2025	26
23/09/2025	44
24/09/2025	21
25/09/2025	21
26/09/2025	0
27/09/2025	0
28/09/2025	0
29/09/2025	0
30/09/2025	0
Average	**7.97**

Table 8: Document Revision

Revision	Date	Change Details	Change Approved By
V1	14/09/2025	Available data entered	Sara Waak
V2	13/10/2025	Available data entered	Sara Waak
V3	29/10/2025	Available data entered	Sara Waak