

HERA-FEDERATION MONTHLY ENVIRONMENTAL
MONITORING SUMMARY JANUARY 2026



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Version	1.0
Date Created	February 2026
Review Date	March 2026

1. Intent

This monthly environmental monitoring 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 the Hera-Federation mine's environmental performance and to maintain a transparent and accountable reporting system.

2. Scope

This report covers all of Hera-Federation's environmental monitoring conditions for January 2026. These conditions, where applicable, are measured against Hera-Federation's Environmental Protection Licence (EPL), development consent conditions and Australian Standards to determine Hera-Federation's compliance.

These conditions include;

- Weather Conditions
- Surface Water Monitoring results
- Ground Water Monitoring results
- Noise Monitoring results
- Blasting monitoring results
- Air Quality Monitoring results
- Gold Room Stack Monitoring
- Ore transport
- Concentrate Transport
- Complaints

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
dB (L)	Decibel (linear maximum)
dB LA _{eq} (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. Maps

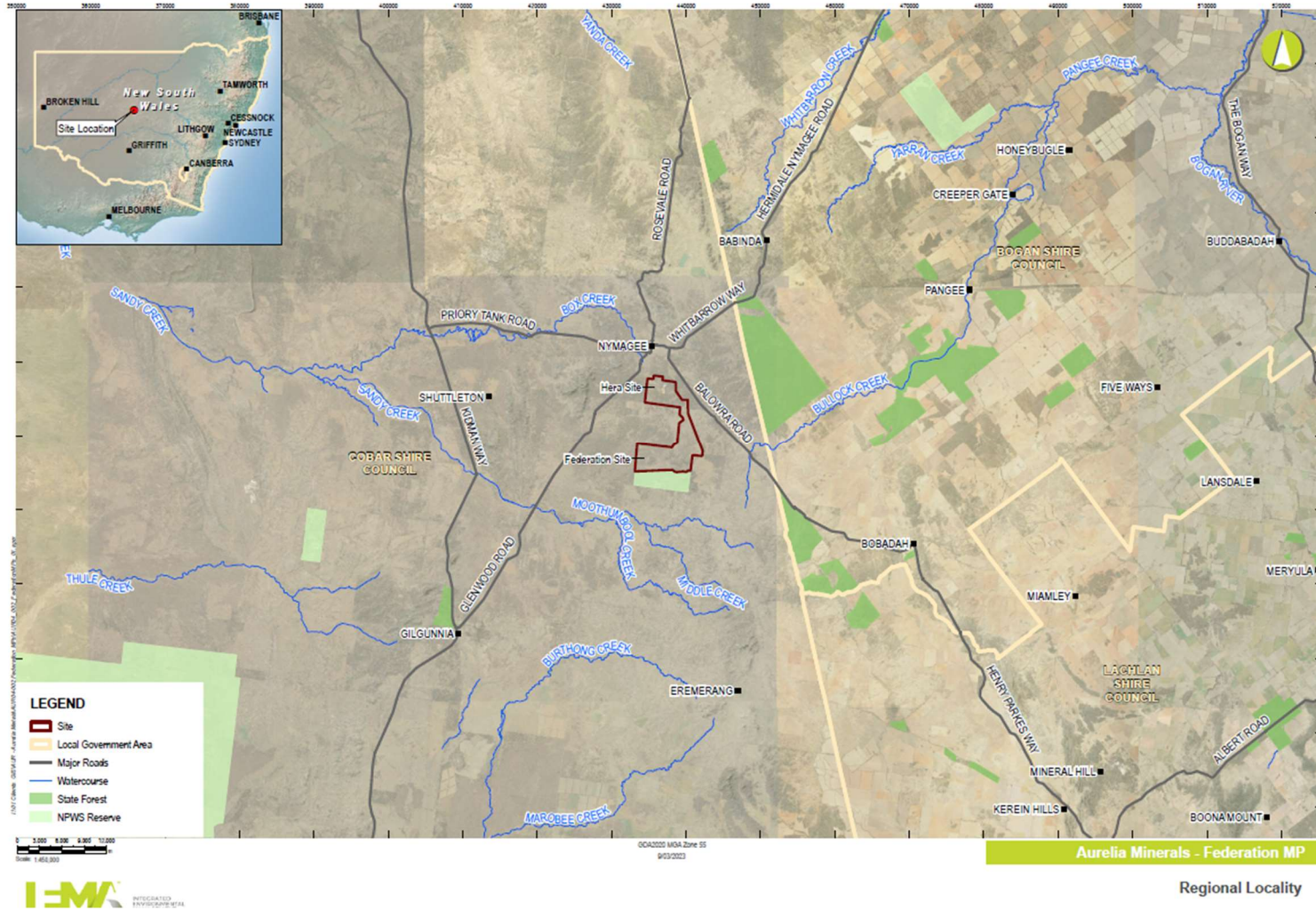


Figure 1 - Hera-Federation regional locality



Figure 2 – Hera Surface Water Monitoring Locations



Figure 3 – Federation Surface Water Monitoring Locations



Hera Mine - EPL Groundwater Monitoring

Figure 4 – Hera Groundwater Monitoring Locations



Federation Mine - EPL Groundwater Monitoring

Figure 5 – Federation Groundwater Monitoring Locations



Figure 6 - Federation Groundwater Monitoring bores

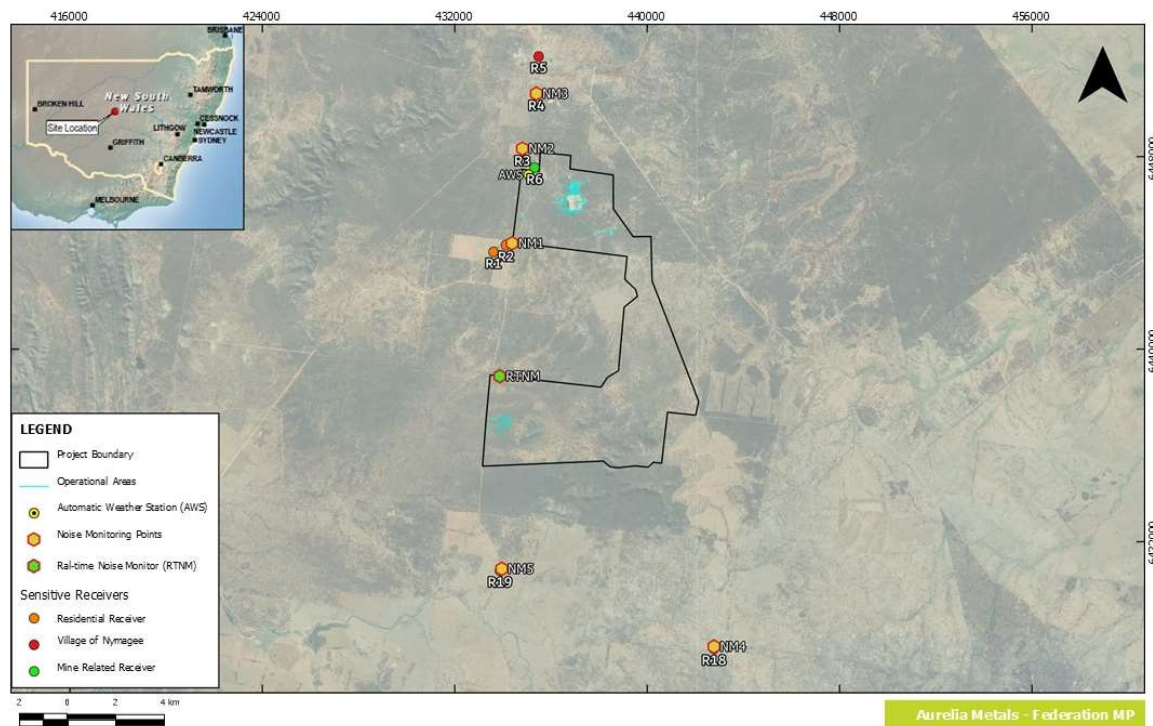


Figure 7 - Hera-Federation Noise Monitoring Locations

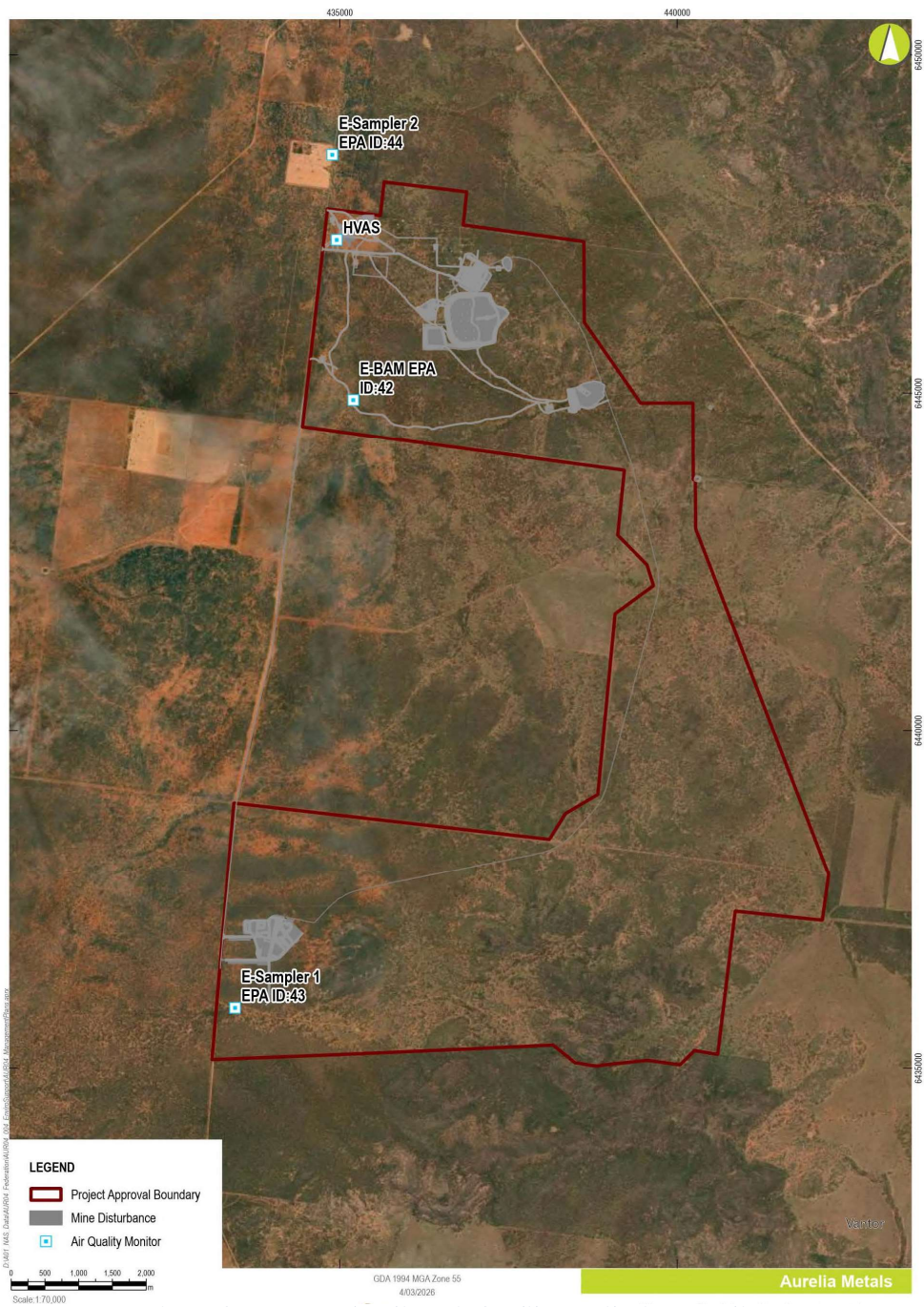


Figure 8 – Hera-Federation Air Quality Monitoring Locations

6. Monitoring Results

6.1. Weather

The meteorology monitoring data is acquired through Hera’s weather station located on the Hera Mine site, approximately 4km south of the town of Nymagee, NSW, Refer **Figure 1**.

Meteorological monitoring is conducted on a continuous basis. **Table 1** shows a summary of the data collected by the weather station this month. **Figure 9** is the wind rose for the month of January 2026.

During January there were operational issues with the tipping bucket rain gauge at the weather station which resulted in minimal data being collected. Maintenance was undertaken and the rain gauge is now operating effectively.

TABLE 1: Summary of meteorological data for January 2026

Parameter	No. of measurements for the month	Minimum Value	Mean Value	Median Value	Maximum value	Total
Air Temperature (°C)	Continuous	8.45	28.83	28.77	44.85	-
Wind Speed (m/s)	Continuous	0.00	9.58	9.72	33.14	-
Sigma Theta (°)	Continuous	1.79	24.44	19.60	102.21	-
Rainfall (mm)	Continuous	0.00	0.00	0.00	0.40	0.60
Relative Humidity (%)	Continuous	-1.00	32.39	28.68	94.78	-

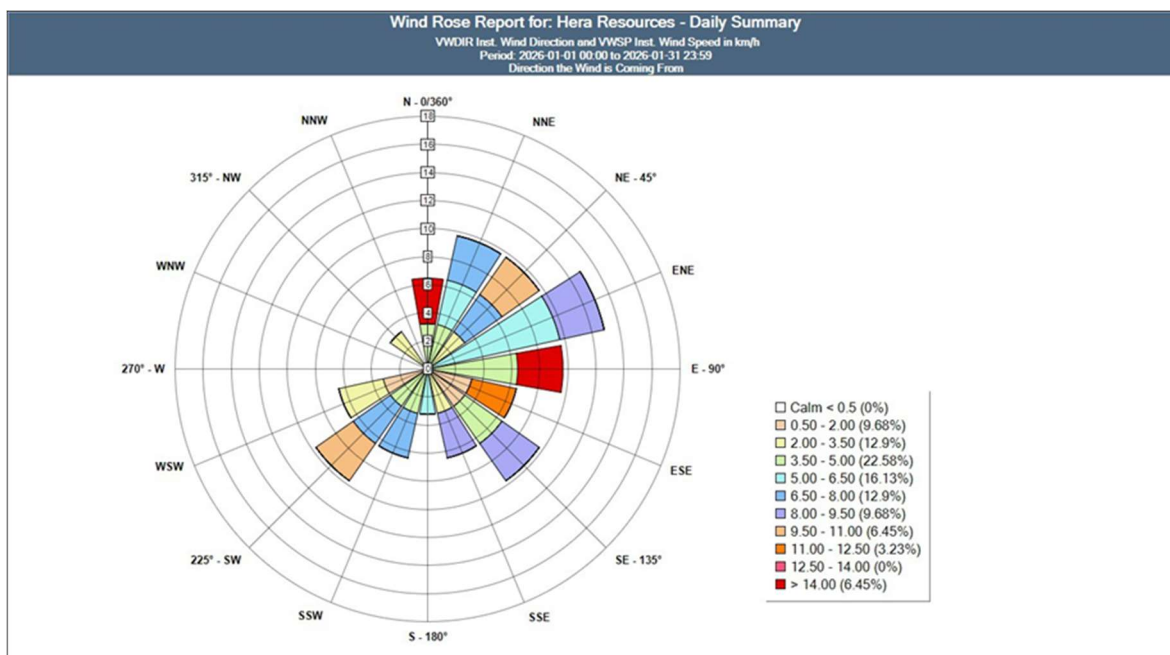


Figure 9 - Wind Rose for January 2026

6.3. Water

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.

Surface Water

Hera has 6 licence points associated with surface water. Four of these points are located within the mining lease and two are located off the mining lease, with one upstream and another downstream of the lease, refer **Figure 2**. Due to the Hera site being in a Care and Maintenance phase no processing was completed during August 2025. As a result, there were no surface water quality results for licence points.

Federation has 3 surface monitoring points (refer to **Figure 3**), all of which are triggered upon discharge. No discharge occurred during January 2026.

Groundwater

Hera has 11 licence points associated with groundwater. These points are located around the Project Area, (refer **Figure 4**) and are a combination of observation bores, production bores and piezometers. Monitoring is conducted quarterly for SWL and water chemistry is completed annually. Annual sampling was completed in June 2025 and reported in June website report and the 2025 Annual Review. Quarterly SWL monitoring was completed in December 2025 and reported in the December monthly report.

Federation has 16 licence points associated with groundwater (Refer to **Figure 5** and **Figure 6**). Monitoring is conducted quarterly for SWL and water chemistry and was completed in December 2025 and reported in the December website report.

6.4. Noise

The Company has six licenced monitoring points (R1, R2, R3, R4 and R18, R19) located along the Burthong and Balowra Road (**Figure 7**). The locations are strategically placed near the Hera-Federation's nearest neighbours. R1 and R2 are measured from the same point as both neighbours are in very close proximity to each other.

The annual noise assessment was carried out by Muller Acoustic Consulting in June 2025. Results were presented in the June 2025 monthly website report and the 2025 Annual Review.

Hera holds a Noise and Blast agreement with the Landholder of R3. The agreement has been provided to the EPA and the Department of Planning Housing and Infrastructure (DPHI).

6.5. Blast Monitoring

The blast monitor is located between the mining operations and the nearest residential receiver (**Figure 7**).

Hera holds a Noise and Blast agreement with the Landholder of R3. The agreement has been provided to the EPA and DPHI.

A total of 58 blasts were completed during the month with no exceedances of blasting criteria. Blast monitoring results are presented in **Table 2**.

TABLE 2: Blast monitoring results for January 2026

Date	Time	Vibration (mm/s)	Overpressure (dB)
1/01/2026	6:30	0.03	83.7
1/01/2026	18:45	0.02	79.9
2/01/2026	6:30	0.02	95.1
2/01/2026	18:30	0.02	96.8
3/01/2026	15:00	0.03	87.8
3/01/2026	18:30	0.07	77.0
4/01/2026	6:30	0.02	82.6
4/01/2026	18:30	0.01	87.3
5/01/2026	1:00	0.03	87.6
5/01/2026	6:30	0.02	80.2
6/01/2026	4:30	0.03	80.2
7/01/2026	5:00	0.02	83.0
7/01/2026	18:30	0.01	81.4
8/01/2026	6:30	0.02	81.1
8/01/2026	18:30	0.01	83.0
9/01/2026	6:30	0.05	82.8
9/01/2026	18:30	0.02	87.4
10/01/2026	6:30	0.02	79.3
11/01/2026	3:30	0.02	88.6
11/01/2026	6:30	0.02	85.3
11/01/2026	19:45	0.03	93.0
12/01/2026	6:30	0.02	101.7
12/01/2026	18:40	0.03	78.2
13/01/2026	6:30	0.02	92.8
13/01/2026	18:30	0.02	93.9
14/01/2026	6:30	0.01	90.3
14/01/2026	18:51	0.01	95.2
15/01/2026	6:40	0.11	80.5
15/01/2026	18:33	0.02	100.2
16/01/2026	6:40	0.02	81.9
16/01/2026	18:40	0.02	83.0
17/01/2026	6:40	0.02	83.0
17/01/2026	18:25	0.01	89.8
18/01/2026	6:30	0.02	85.6
18/01/2026	18:37	0.01	93.7
19/01/2026	6:30	0.02	103.1
19/01/2026	18:37	0.02	85.8
20/01/2026	6:30	0.02	79.6

Date	Time	Vibration (mm/s)	Overpressure (dB)
20/01/2026	18:15	0.01	72.6
21/01/2026	4:50	0.02	83.5
22/01/2026	18:30	0.02	94.1
23/01/2026	6:40	0.02	81.6
23/01/2026	18:30	0.02	85.3
24/01/2026	6:30	0.02	89.4
24/01/2026	18:30	0.02	79.9
25/01/2026	6:30	0.02	81.1
25/01/2026	18:45	0.03	82.8
26/01/2026	6:38	0.22	81.1
26/01/2026	14:30	0.02	93.4
26/01/2026	19:00	0.02	81.6
27/01/2026	6:30	0.02	94.2
27/01/2026	18:30	0.06	103.5
28/01/2026	2:30	0.02	79.9
28/01/2026	18:30	0.02	95.7
29/01/2026	6:30	0.02	101.3
30/01/2026	6:30	0.04	94.2
30/01/2026	18:30	0.02	76.1
31/01/2026	6:30	0.03	75.6

6.7. Air Quality

Two High Volume Air Samplers (HVAS), designed to sample Particulate matter less than 10 µm (PM10) or Total Suspended Particulate (TSP) matter an EBAM, and two E-samplers form the Hera-Federation air quality monitoring network (refer to **Figure 8**).

Results for air quality monitoring conducted in January 2026 have been summarised in **Table 3**. E-Sampler 2 recorded an exceedance of the 24hr criteria on 11th January. A non-compliance report has been submitted to DPHI. Weather conditions on the day were hot and dry with a South westerly wind direction and wind gusts of up to 20km/hr. These conditions indicate that the exceedance may have been attributed to offsite activities being undertaken south west of the monitor.

E-Sampler 1 had operational issues during January and was replaced with another monitor on January 22nd.

EBAM and E-Sampler results are presented in **Figure 10**.

TABLE 3: Summary of HVAS monitoring results for January 2026

Pollutant	Unit	Limit	Averaging Period	Result
TSP	µg/m ³	90	Annual	35.07
PM-10	µg/m ³	25	Annual	13.31
High Volume Air Sampler (PM₁₀)				
1/01/2026	µg/m ³	50	24 Hour	15.6
7/01/2026	µg/m ³	50	24 Hour	18.2
13/01/2026	µg/m ³	50	24 Hour	23.8
19/01/2026	µg/m ³	50	24 Hour	39.1
25/01/2026	µg/m ³	50	24 Hour	1.8

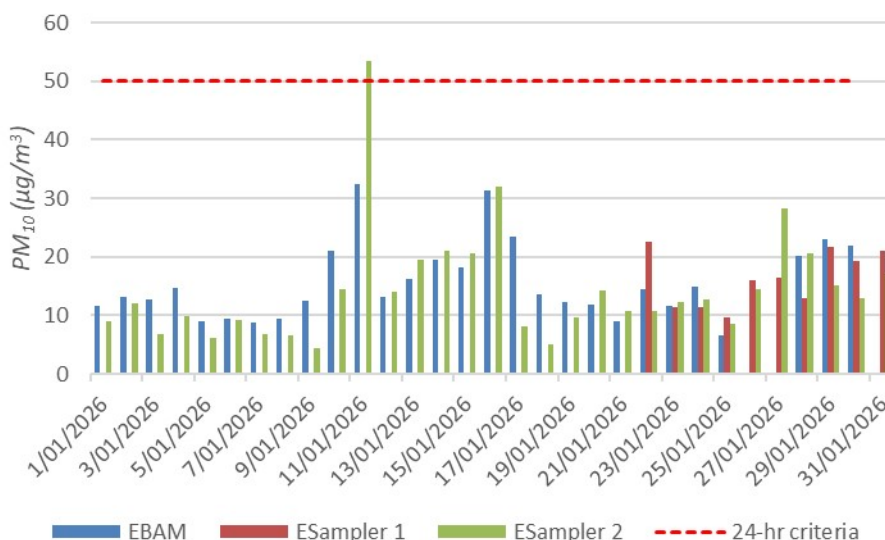


Figure 10 – EBAM plus, E-Sampler 1 and E-Sampler 2 PM₁₀ Daily Average Concentration – January 2026

6.8. Gold Room Stack Monitoring

Hera-Federation has two licenced gold room stack monitoring points (Refer to **Figure 8**).

The Hera site is on Care and Maintenance, and no stack monitoring will be undertaken unless the gold room operations recommence.

6.9. Ore and Waste Rock Transport

The Company is licenced to transport 600,000 tonnes annually (FY) of ore from the Hera-Federation site to The Peak mine between 7am to 10pm daily.

Truck movements per day and quantity of ore transported is presented in **Table 4**.

TABLE 4: Truck movements and quantity trucked to Peak Mine for January 2026

Date	No. truck movements*/day	Quantity (Dry tonnes)
1/01/2026	6	210.5
2/01/2026	26	992.8
3/01/2026	28	1069.95
4/01/2026	0	0.00
5/01/2026	16	587.4
6/01/2026	38	1437.5
7/01/2026	40	1516.6
8/01/2026	36	1363.8
9/01/2026	48	1837.55
10/01/2026	46	1755.1
11/01/2026	24	940.3
12/01/2026	18	689
13/01/2026	42	1617.1
14/01/2026	48	1845.1
15/01/2026	42	1630.75
16/01/2026	42	1610.9
17/01/2026	42	1611.55
18/01/2026	22	859.45
19/01/2026	6	209.55
20/01/2026	40	1532.25
21/01/2026	42	1609.3
22/01/2026	40	1620.5
23/01/2026	42	1613.1
24/01/2026	48	1786.65
25/01/2026	30	1112.7
26/01/2026	28	990.95
27/01/2026	30	1114.9
28/01/2026	24	902.1
29/01/2026	30	1078.45
30/01/2026	32	1142.15
31/01/2026	24	911.75
TOTAL		37,199.7

* Note: A return trip from Federation to Peak Mine and back is considered to be 2 movements.

6.10. Concentrate Transport

The Company is licenced to transport 155,000 tonnes of lead/zinc concentrate from the Hera site to Hermidale rail siding from 7am to 7pm daily.

The Federation site does not produce concentrate.

The Hera site is on Care and Maintenance, and no concentrate movements have occurred during January 2026.

6.11. Complaints

There were no complaints during January 2026.