

1. MONTHLY REPORT SUMMARY

No air related dust complaints were received this month.

A storm event resulting in the monitoring station to shut down this month prevented data capture for 24 hours however, continuous air quality monitoring for this month achieved 73.3% real-time data capture and particulate concentration results were within compliance limits.

Monitoring could not be immediately restored as ground conditions following the storm event were unsafe for personnel access. Monitoring resumed following site attendance and manual reset of the circuit breakers. As a result, continuous monitoring data required by this Environmental Protection Licence was not collected during the outage period.

No substitute monitoring data is reported for the outage period. Nearby Bureau of Meteorology weather stations were reviewed, suitable meteorological data is not available to provide a representative dataset.

Operational air quality controls continued throughout the month, and while the maximum daily average wind speed this month was 18 km/hr, water carting across the site was still carried out.

2. LEGAL REQUIREMENTS

Balranald Mineral Sands Mine (the Mine) is required by the following to minimise the generation or emission from the premises of wind-blown and traffic-generated dust and to monitor and report particulate matter concentrations:

- NSW Consolidated Development Consent SSD-5285 (MOD 4) (the Consent);
- NSW Environment Protection Licence (EPL) 20795; and
- Balranald Mineral Sands Mine Air Quality Management Plan

2.1 Regulatory criteria and methodology

Air quality monitoring at EPL Monitoring Point 13 is captured continuously with particulate matters PM₁₀ and PM_{2.5} in micrograms per cubic metre (µg/m³) and determined in accordance with Australian Standard 3580.9.11-2008.

The recorded data are assessed against the 24-hour incremental (short term) criteria outlined in Table 4 of the Consent and Conditions L4.1 and M2.2 of EPL 20795. A summarised table of the criteria is presented in the Table below.

Table 1 – Incremental (short term) impact assessment criteria for particulate matter monitoring.

Pollutant	Concentration Limit (Criterion ^b)	Averaging Period (Short Term)	Monitoring Frequency
Particulate matter < 10 µm (PM ₁₀)	50 µg/m ³	24-hour	Continuous
Particulate matter < 2.5 µm (PM _{2.5})	25 µg/m ³	24-hour	Continuous
Note: ^b Incremental impact i.e. incremental increase in concentrations due to the development on its own.			



3. MONTHLY MONITORING SUMMARY

3.1 Air quality Performance (24hr period) – August 2026

The table below are the monthly air quality results collected from Balranald Mine's air quality monitoring station EPL Monitoring Point 13. All particulate concentrations captured are within compliance limits.

Table 2 – Summary of daily (24-hr) air quality monitoring and meteorological data in August 2026.

24-hr Period Monitoring Date	PM2.5 ($\mu\text{g}/\text{m}^3$)	PM10 ($\mu\text{g}/\text{m}^3$)	Average Temperature ($^{\circ}\text{C}$)	Average Wind Speed (km/hr)	Predominant Wind Direction	Rainfall (mm)
24:00 01/08/2026	2.79	7.08	9.845	7.37	E	0
24:00 02/08/2026	5.29	6.66	10.326	8.3	NNE	0
24:00 03/08/2026	4.41	16.37	11.229	9.14	W	0
24:00 04/08/2026	1.71	9.09	10.743	7.95	W	0
24:00 05/08/2026	2.16	10.02	11.065	5.47	WSW	0
24:00 06/08/2026	1.82	4.33	10.264	4.6	NNE	0
24:00 07/08/2026	1.7	2.5	11.838	8.12	NE	0
24:00 08/08/2026	0.4	3.98	13.04	12.2	NE	0
24:00 09/08/2026	2.92	1.03	12.818	17.5	NNE	37.5
24:00 10/08/2026	1.95	4.3	12.935	17.57	W	3.5
24:00 11/08/2026	0.18	3.28	12.351	8.39	NW	0
24:00 12/08/2026	1.62	14.12	11.818	11.85	WNW	0
24:00 13/08/2026	4.22	8.18	12.748	8.2	W	0
24:00 14/08/2026	2.53	4.51	14.23	5.98	SSW	0
24:00 15/08/2026	1.43	4.38	12.317	6.58	SSE	0
24:00 16/08/2026	4.56	5.29	12.454	8.1	SE	0
24:00 17/08/2026	2.53	3.42	14.071	11.2	E	0
24:00 18/08/2026	1.5	5.17	13.875	11.86	ENE	3.1
24:00 19/08/2026	2.28	6.98	16.5	14.48	NNE	14.5
24:00 20/08/2026	<Samp	<Samp	<Samp	<Samp	<Samp	<Samp
24:00 21/08/2026	NoData	NoData	NoData	NoData	NoData	NoData
24:00 22/08/2026	NoData	NoData	NoData	NoData	NoData	NoData
24:00 23/08/2026	NoData	NoData	NoData	NoData	NoData	NoData
24:00 24/08/2026	NoData	NoData	NoData	NoData	NoData	NoData
24:00 25/08/2026	NoData	NoData	NoData	NoData	NoData	NoData
24:00 26/08/2026	NoData	NoData	NoData	NoData	NoData	NoData
24:00 27/08/2026	NoData	NoData	NoData	NoData	NoData	NoData
24:00 28/08/2026	<Samp	<Samp	<Samp	NoData	NoData	NoData
24:00 29/08/2026	2.77	1.45	13.503	NoData	NoData	NoData
24:00 30/08/2026	3.29	3.95	13.644	NoData	NoData	NoData
24:00 31/08/2026	4.12	3.95	14.608	<Samp	<Samp	<Samp

Figures 1 and 2 show the daily average particulate matter concentrations, and the accompanying wind rose shows the directional origin, with the dust blowing towards Balranald Mine.

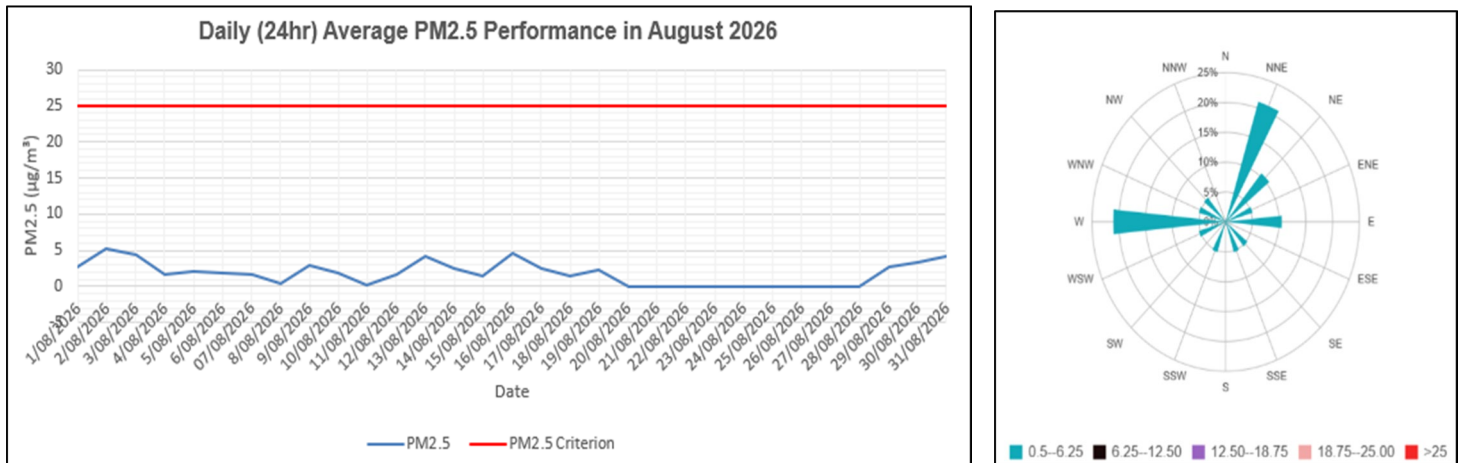


Figure 1 - Air quality performance of particulate matter PM2.5 over a 24-hr average period in August 2026.

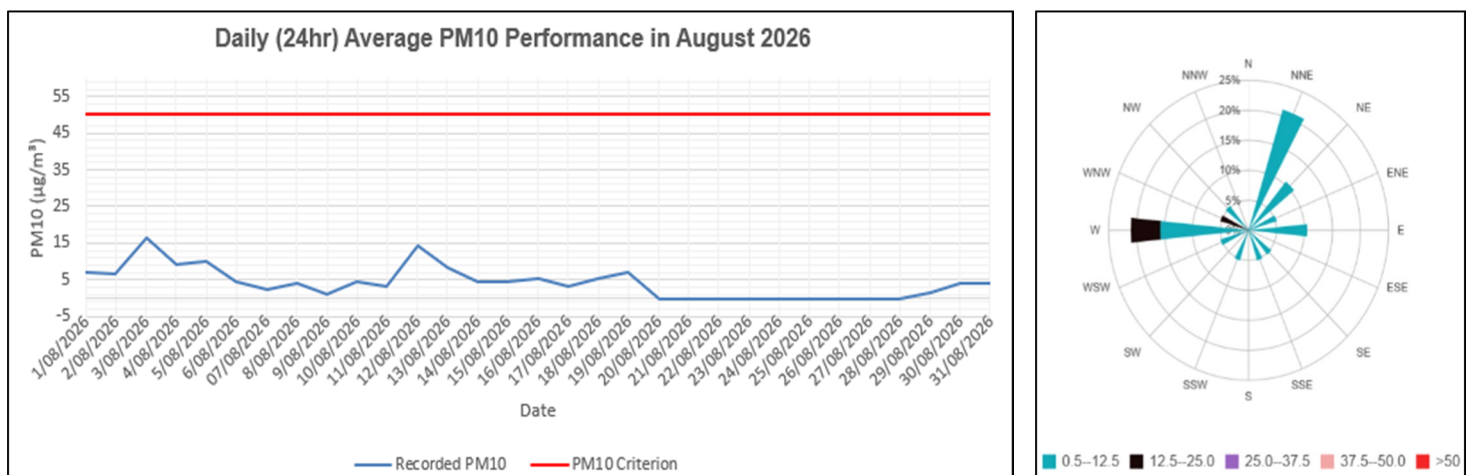


Figure 2 - Air quality performance of particulate matter PM10 over a 24-hr average period in August 2026.

3.2 Exceedances and Incidents Summary

The table below is the summary of non-compliances recorded at EPL Monitoring Point 13, and any actions undertaken taken by Balranald Mine.

Table 3 – Summary of air quality non-compliances recorded in August 2026.

Date & Time	Pollutant	Did it cause Material Harm to the Environment?	Non-compliance Summary	Report provided to NSW EPA?
20/ 8/ 26 05:30– 28/08/26 13:00	n/a	No	Continuous PM10 and PM2.5 monitoring data was unavailable from 20/08/2026 - 28/06/2026 due to a loss of power to the weather station following a storm event. The storm caused electrical circuit breakers supplying the monitoring system to trip, resulting in the cessation of particulate monitoring. Actions taken to rectify the issue is to explore opportunities, such as implementing an Uninterrupted Power Supply at the weather station.	Yes

3.3 Complaints Summary

No dust reported complaints received this month.

4. REPORTING

In accordance with **Schedule 5, Access to Information (condition 10)** of the Consent monthly air quality reports are published each month on the Balranald Mine's website: [Balranald - Community Engagement | Iluka Resources](#).

5. DOCUMENT CONTROL

Revision	Date	Details	Author	Approver
1.0	08/10/2026	FINAL REPORT	JLONGSON, ENV ADVISOR	B ISAACS, ERCR SUPERINTENDENT