

1. MONTHLY REPORT SUMMARY

No air related dust complaints were received this month.

Annual service of the monitoring station this month prevented data capture for 24 hours however, continuous air quality monitoring for this month achieved 93.5% real-time data capture and particulate concentration results were within compliance limits.

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) – July 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 air quality monitoring and meteorological data in July 2026.

24-hr Period Monitoring Date	PM2.5 ($\mu\text{g}/\text{m}^3$)	PM10 ($\mu\text{g}/\text{m}^3$)	24-hr Average Wind Speed (km/hr)	Predominant Wind Direction	24-hr Average Temperature (°C)
24:00 01/07/2026	1.37	1.05	13.39	NNE	12.081
24:00 02/07/2026	1.83	2.81	18.04	NNW	12.523
24:00 03/07/2026	3.28	8.8	12.06	WNW	11.47
24:00 04/07/2026	0.7	3.46	7.72	SW	9.85
24:00 05/07/2026	2.19	3.41	9.42	SSE	10.607
24:00 06/07/2026	2.28	2.74	10.13	ESE	10.493
24:00 07/07/2026	2.74	2.14	7.73	SE	10.468
24:00 08/07/2026	3.38	2.68	6.74	SE	10.114
24:00 09/07/2026	3.58	2.79	7.15	ESE	11.016
24:00 10/07/2026	2.68	3.06	6.26	E	10.607
24:00 11/07/2026	4.06	1.24	12.48	N	10.77
24:00 12/07/2026	2.77	7.53	10.99	NW	10.643
24:00 13/07/2026	1.85	4.23	10	NW	12.339
24:00 14/07/2026	2.53	5.88	10.1	W	11.644
24:00 15/07/2026	5.41	10.85	8.65	SW	8.932
24:00 16/07/2026	3.17	4.03	7.28	SSW	9.457
24:00 17/07/2026	3.41	2.01	5.11	S	9.034
24:00 18/07/2026	3.77	2.59	5.72	SSE	6.865
24:00 19/07/2026	2.35	2.44	6.11	SE	8.329
24:00 20/07/2026	2.35	2.29	4.28	ESE	8.962
24:00 21/07/2026	3.26	3	4.71	SE	9.231
24:00 22/07/2026	2.96	3.21	7.7	WNW	12.129
24:00 23/07/2026	1.21	6.6	9.79	WSW	8.923
24:00 24/07/2026	3.15	6.76	9.28	WSW	7.939
24:00 25/07/2026	3.39	2.23	8.52	W	9.627
24:00 26/07/2026	0.67	0.28	5.41	WSW	9.984
24:00 27/07/2026	-0.61	-0.08	7.43	NNE	9.984
24:00 28/07/2026	1.59	0.92	13.23	NNW	12.764
24:00 29/07/2026	Zero	Zero	10.71	WSW	Zero
24:00 30/07/2026	<Samp	<Samp	8.28	SW	<Samp
24:00 31/07/2026	3.5	3.37	7.25	S	9.443

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.

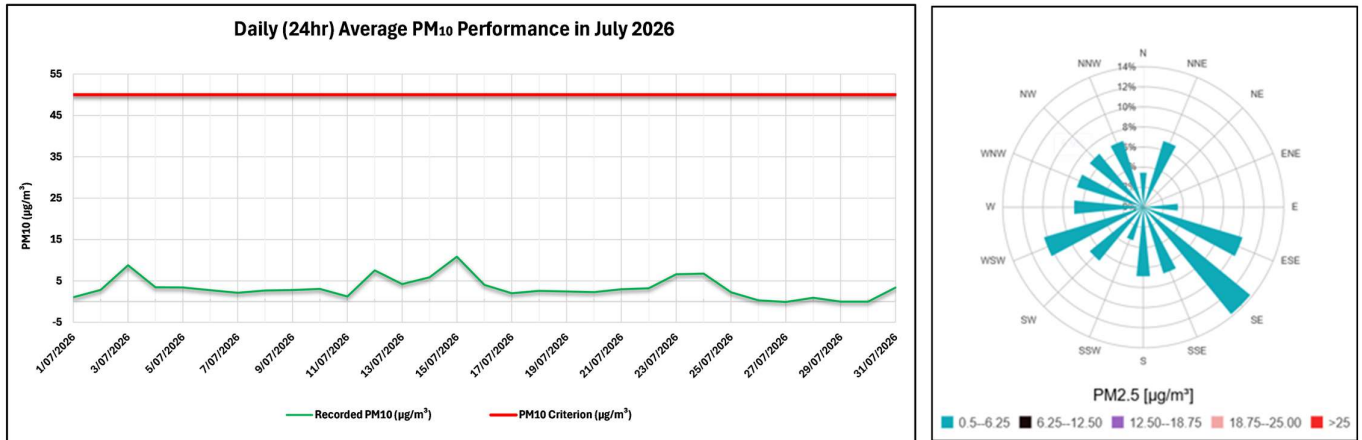


Figure 1 - Air quality performance of particulate matter PM_{2.5} over a 24-hr average period in July 2026.

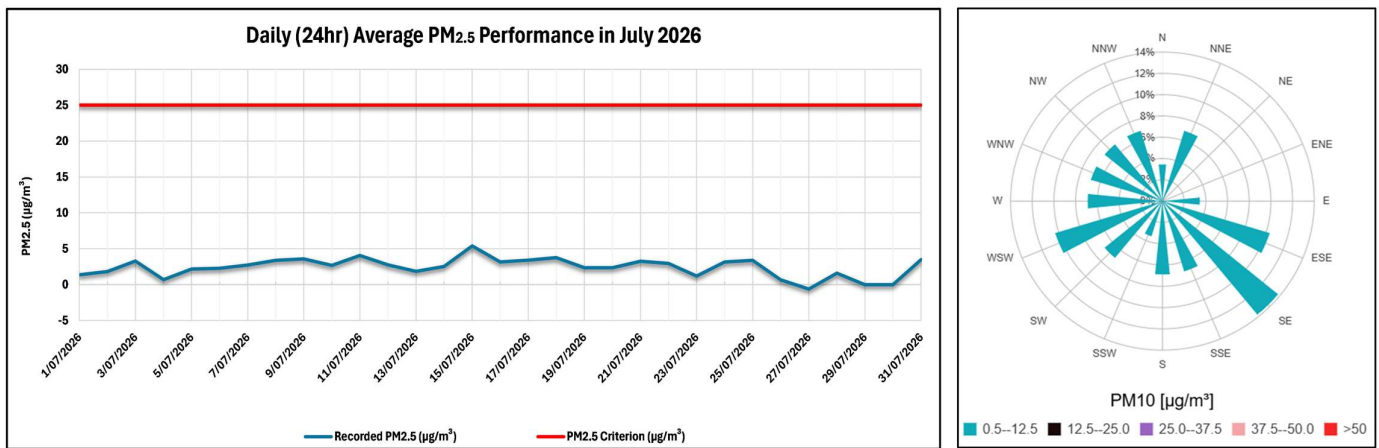


Figure 2 - Air quality performance of particulate matter PM₁₀ over a 24-hr average period in July 2026.

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 July 2026.

Date & Time	Pollutant	Did it cause Material Harm to the Environment?	Non-compliance Summary	Report provided to NSW EPA?
29/ 7/ 26 9 am to midnight	n/a	No	No continuous data captured over 24 hours due to scheduled annual service of the monitoring station. Monitoring station was offline for 16 hours from 0:900H on 29/7/26; and for 8 hours from midnight on 30/7/26.	Yes
30/7/26 Midnight to 8 am	n/a		Planned maintenance was completed in accordance with EPA Licence Condition O2 - <i>Maintenance of Plant and Equipment</i> .	

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	05/08/2026	FINAL REPORT	C ECKERSLEY, ENV ADVISOR	B ISAACS, ERCR SUPERINTENDENT