

## 1. MONTHLY REPORT SUMMARY

No air related dust complaints were received this March 2026.

Continuous air quality monitoring was undertaken throughout this month. During this monitoring month, PM<sub>10</sub> concentrations exceeded the 24-hour 50 µg/m<sup>3</sup> criterion on two occasions (11/3 and 27/3) and one occasion (on 26/3) where only 70% monitoring data were captured.

Data analysis determined that the mine activities were not the cause of the exceedances. The two marginal exceedances were attributed to fugitive dust emissions generated by agriculture-related activities (landfarming preparations, trenching works and moving livestock ) on nearby properties.

The incomplete monitoring data was due to maintenance work carried out by an external electrical company near the monitoring station, which caused a power outage at Monitoring Point 13 for approximately 7 hours of runtime.

Operational air quality management measures continued throughout March. Additional water carting across the mine site and temporary suspension of work activities during high wind conditions were implemented this month.

## 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 PM<sub>10</sub> and PM<sub>2.5</sub> in micrograms per cubic metre (µg/m<sup>3</sup>) 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 <sup>b</sup> )	Averaging Period (Short Term)	Monitoring Frequency
Particulate matter < 10 µm (PM <sub>10</sub> )	50 µg/m <sup>3</sup>	24-hour	Continuous
Particulate matter < 2.5 µm (PM <sub>2.5</sub> )	25 µg/m <sup>3</sup>	24-hour	Continuous

*Note: <sup>b</sup> 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) – March 2026

The table below are the monthly air quality results collected from Balranald Mine’s air quality monitoring station EPL Monitoring Point 13.

Table 2 – Summary of air quality monitoring and meteorological data in March 2026.

24-hr Period Date	PM2.5 (µg/m <sup>3</sup> )	PM10 (µg/m <sup>3</sup> )	24-hr Average Wind Speed (km/hr)	Predominant Wind Direction/s	24-hr Average Temperature (°C)
1/03/2026	5.45	7.08	16.1	ENE	21.6
2/03/2026	2.11	3.69	15.0	NE	23.5
3/03/2026	1.24	4.63	16.1	SSW	22.8
4/03/2026	2.85	10.21	10.5	SW	23.0
5/03/2026	4.05	26.33	8.3	SSW	23.7
6/03/2026	1.51	29.2	9.6	SSW	23.6
7/03/2026	6.2	12.38	13.6	SSW	22.8
8/03/2026	4.65	9.49	12.3	SSW	21.0
9/03/2026	5.65	15.86	7.4	SW	24.7
10/03/2026	4.54	11.59	7.0	SSW	27.0
11/03/2026	6.93	<b>52.88</b>	17.6	WNW	25.5
12/03/2026	2.42	14.43	16.5	SSW	18.1
13/03/2026	6.12	19.23	13.2	S	18.4
14/03/2026	8.02	22.76	8.5	ESE	22.5
15/03/2026	4.18	13.63	7.3	ENE	26.9
16/03/2026	6.63	13.62	6.7	WSW	23.8
17/03/2026	4.42	8.97	5.1	SSE	22.0
18/03/2026	3.98	5.62	9.2	SSE	22.1
19/03/2026	4.43	6.14	5.3	S	23.6
20/03/2026	6.09	7.57	6.4	SSE	24.0
21/03/2026	4.51	7.88	5.5	SE	25.5
22/03/2026	5.05	7.77	5.7	E	25.6
23/03/2026	3.66	6.21	7.1	E	26.1
24/03/2026	4.45	10.8	10.2	ENE	26.0
25/03/2026	5.19	9.7	8.8	N	24.6
26/03/2026	<Samp	<Samp	<Samp	<Samp	<Samp
27/03/2026	4.54	<b>50.47</b>	24.1	SSW	14.2
28/03/2026	4.63	7.08	13.1	SSW	16.6
29/03/2026	4.54	5.42	5.9	SE	18.9
30/03/2026	2.27	4.41	6.2	E	20.5
31/03/2026	2.17	9.38	11.1	NE	23.3



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These monthly results were assessed against the mining activity schedule and analysed for correlations with regional air quality data from NSW Government air quality monitoring stations in the **Far West Region** and the **Riverina-Murray Region**. Broader local and regional activities, including those occurring on neighbouring properties, were also considered to provide context for the interpretation of the monitoring results.

Environmental news within the western region and interstate was also monitored for reported extraordinary weather events (such as bushfires, extreme heat, or increased wind conditions) that may have influenced air quality results during the month.

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

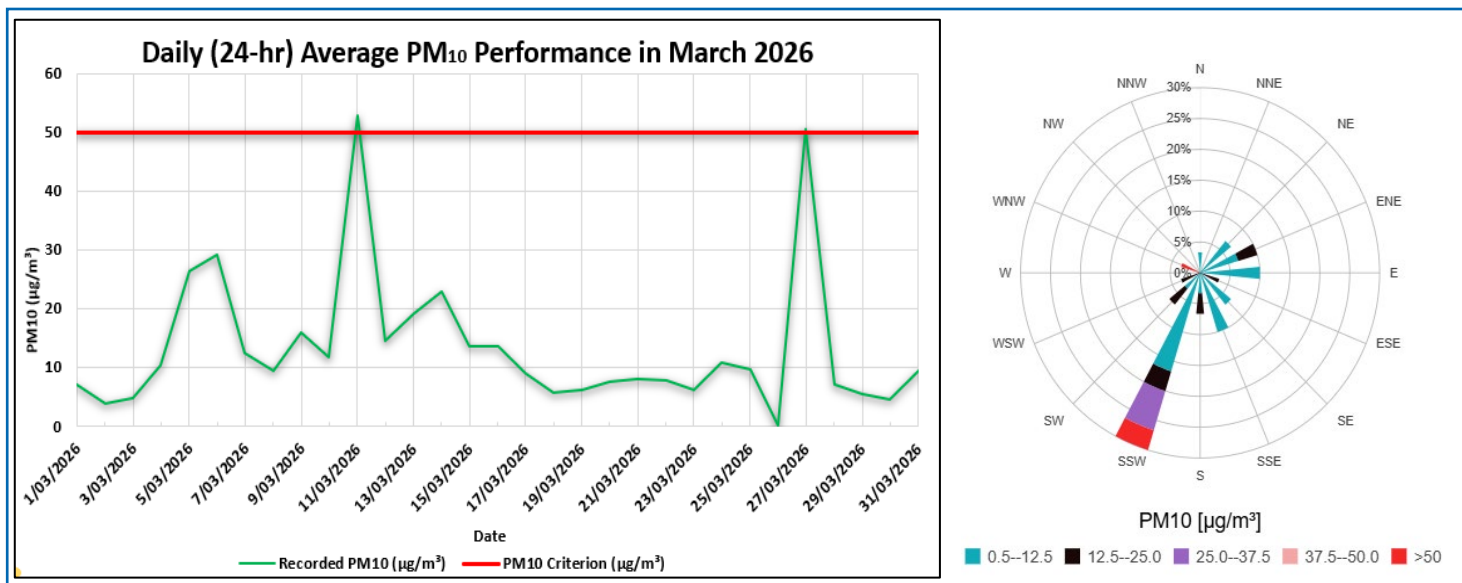


Figure 1 - Air quality performance of particulate matter PM<sub>10</sub> over a 24-hr average period in March 2026.

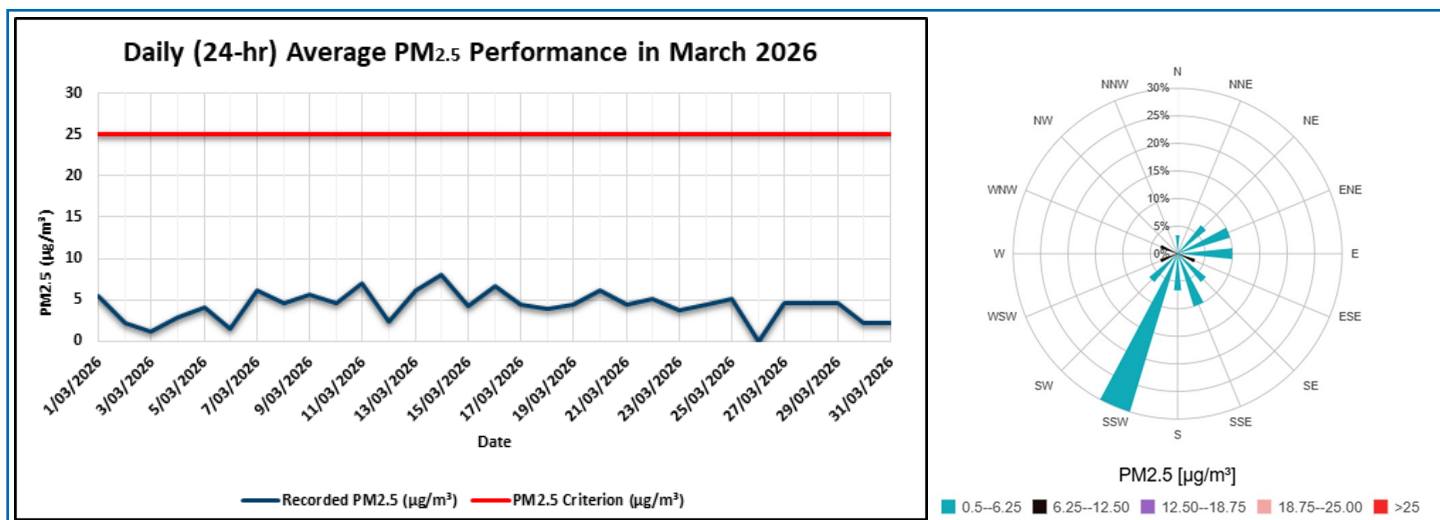


Figure 2 - Air quality performance of particulate matter PM<sub>2.5</sub> over a 24-hr average period in March 2026.



### 3.2 Exceedances and Incidents Summary

The table below is the summary of exceedances recorded at EPL Monitoring Point 13, known local or regional air quality events impacting air quality performance of, and any actions undertaken taken by, Balranald Mine.

Table 3 – Summary of air quality exceedances recorded in March 2026.

Date	Pollutant	Value (µg/m <sup>3</sup> )	Exceedance Comments	Notification Status to NSW EPA?	Impact on Annual Compliance Reporting
11/03/2026	PM10	52.88	<p>Data analysis indicated that the recorded exceedances were not attributable to mine-related activities. During the 24-hour monitoring period, predominant winds were blowing from the west toward the mine, suggesting external dust sources may have influenced the readings.</p> <p>Additionally, landfarm preparation, trenching, and livestock activities on neighbouring properties throughout the month were observed and are likely to have contributed to sporadic fugitive dust emissions.</p>	No external notification required; internal records maintained.	While the exceedance is not caused by the Mine’s activities, the overall annual non-compliance reporting is expected to be impacted.
27/03/2026	PM10	50.47	<p>Data analysis indicated that the recorded exceedances were not attributable to mine-related activities.</p> <p>The exceedance occurred over a 24-hour monitoring period, during which predominant winds were from the south-southwest toward the mine, suggesting the influence of external dust sources. Notably, the windiest conditions recorded by the mine’s weather station also coincided with south-southwesterly winds, aligning with the direction of nearby agricultural activities, including landfarm preparation, trenching, and livestock operations on neighbouring properties. These activities are likely to have contributed to the spike of the dust readings.</p>	No external notification required; internal records maintained	<p>No non-compliance implications were identified for the mine</p> <p>Overall annual non-compliance reporting is expected to be impacted.</p>
26/03/2026		NO Data	The incomplete monitoring data was due to maintenance work carried out by an external electrical company near the monitoring station, which caused a power outage at Monitoring Point 13 for approximately 7 hours of runtime.	No external notification required; internal records maintained	



### 3.3 Complaints Summary

No dust reported complaints in March 2026.

## 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	24/05/2026	Final Report	C Eckersley, Env Advisor	B Isaacs, ERCR Superintendent