# 1. MONTHLY REPORT SUMMARY

No air related dust complaints were received this May 2026.

Operational air quality controls continued throughout the month, including daily water carting across the site, and work suspension during winds above 35 km/hr. Continuous air quality monitoring for this month with 93.5% real-time data capture achieved. Reduced data capture between 26 to 27 May was due to storm-event power failure. $PM_{10}$ concentrations exceeded the 24-hour 50 µg/m³ criterion on 01 May and 02 May.

This monitoring period has seen moderate to heavy dust storm events - a common weather phenomenon during late autumn — with livestock movement near the monitoring station, and seasonal cropping preparation and sowing activity by surrounding landholders.

Review of mine operations, meteorological conditions, and comparisons with regional air quality data confirmed that the elevated $PM_{10}$ levels were consistent with broader regional dust storm events occurring since late April 2026, rather than mine-related emissions. Operational air quality management measures continued throughout the 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 $PM_{10}$ 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/m³ | 24-hour | Continuous |
| Particulate matter < 2.5 µm ($PM_{2.5}$) | 25 µg/m³ | 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) – May 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 May 2026.*

| 24-hr Period Monitoring Date | PM2.5 (µg/m³) | PM10 (µg/m³) | 24-hr Average Wind Speed (km/hr) | Predominant Wind Direction | 24-hr Average Temperature (°C) |
|---|---|---|---|---|---|
| 24:00 01/05/2026 | 5.09 | **55.4** | 10.80 | NE | 21.17 |
| 24:00 02/05/2026 | 6.56 | **54.84** | 14.22 | NE | 20.99 |
| 24:00 03/05/2026 | 1.97 | 8.29 | 9.40 | NNW | 16.83 |
| 24:00 04/05/2026 | 2.37 | 4.45 | 9.83 | NW | 13.83 |
| 24:00 05/05/2026 | 2.77 | 5.76 | 8.24 | WSW | 13.47 |
| 24:00 06/05/2026 | 2.74 | 3.86 | 8.78 | W | 14.02 |
| 24:00 07/05/2026 | 3.35 | 15.65 | 16.70 | SW | 10.98 |
| 24:00 08/05/2026 | 2.76 | 7.69 | 12.89 | WSW | 12.49 |
| 24:00 09/05/2026 | 1.43 | 2.79 | 7.88 | SW | 11.94 |
| 24:00 10/05/2026 | 3.35 | 4.35 | 5.04 | SSW | 13.67 |
| 24:00 11/05/2026 | 5.73 | 9.82 | 6.37 | SE | 16.30 |
| 24:00 12/05/2026 | 6.52 | 12.06 | 9.86 | E | 18.08 |
| 24:00 13/05/2026 | 2.97 | 10.74 | 10.73 | E | 18.05 |
| 24:00 14/05/2026 | 2.99 | 9.04 | 8.71 | E | 17.01 |
| 24:00 15/05/2026 | 3.87 | 11.05 | 9.87 | ENE | 17.50 |
| 24:00 16/05/2026 | 4.28 | 11.14 | 12.44 | NNE | 19.23 |
| 24:00 17/05/2026 | 2.37 | 3.2 | 5.13 | ENE | 17.07 |
| 24:00 18/05/2026 | 0.52 | 1.97 | 5.9 | SW | 16.00 |
| 24:00 19/05/2026 | 1.6 | 5.14 | 12.46 | WSW | 13.84 |
| 24:00 20/05/2026 | 3.14 | 9.14 | 9.48 | WSW | 12.50 |
| 24:00 21/05/2026 | 2.23 | 4.78 | 6.59 | S | 12.43 |
| 24:00 22/05/2026 | 4.23 | 4.54 | 6.6 | ESE | 12.06 |
| 24:00 23/05/2026 | 1.94 | 3.2 | 8.26 | E | 13.10 |
| 24:00 24/05/2026 | 3.4 | 4.38 | 7.84 | ENE | 14.83 |
| 24:00 25/05/2026 | 4.01 | 5.83 | 6.84 | ENE | 15.50 |
| 24:00 26/05/2026 | **<Samp** | **<Samp** | **<Samp** | **#VALUE!** | **<Samp** |
| 24:00 27/05/2026 | **<Samp** | **<Samp** | **<Samp** | **#VALUE!** | **<Samp** |
| 24:00 28/05/2026 | 3.13 | 2.83 | 7.28 | SW | 13.04 |
| 24:00 29/05/2026 | 2.61 | 3.9 | 7.99 | W | 12.63 |
| 24:00 30/05/2026 | 2 | 4.45 | 9.6 | WNW | 13.26 |
| 24:00 31/05/2026 | 1.25 | 9.25 | 9.8 | W | 11.94 |

These monthly results were assessed against the mining activity schedule and then analysed for correlations with the regional air quality data from NSW Government air quality monitoring stations in the **Far West Region** and the **Riverina-Murray Region**. End of last month's monitoring results were also revisited to confirm if dust exceedances in May 2026 were associated with each other.

Environment news within the western region and interstate were also monitored for any reported extraordinary weather events (i.e. bushfires, extreme heat, increasing wind conditions) that may contribute to poor 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.

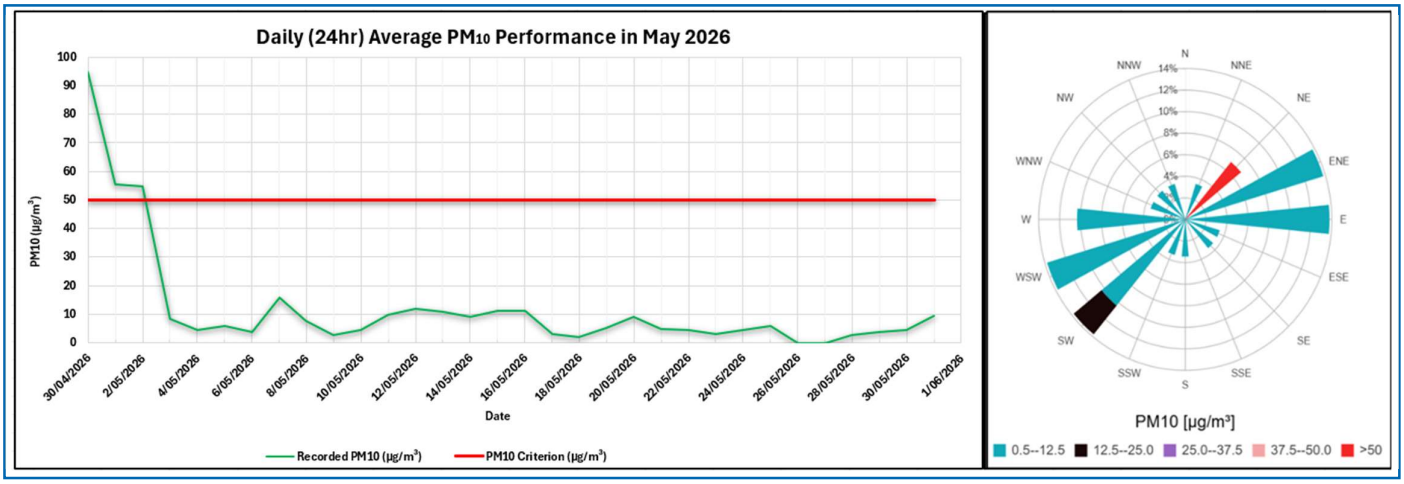


*Figure 1 - Air quality performance of particulate matter PM10 over a 24-hr average period in May 2026.*

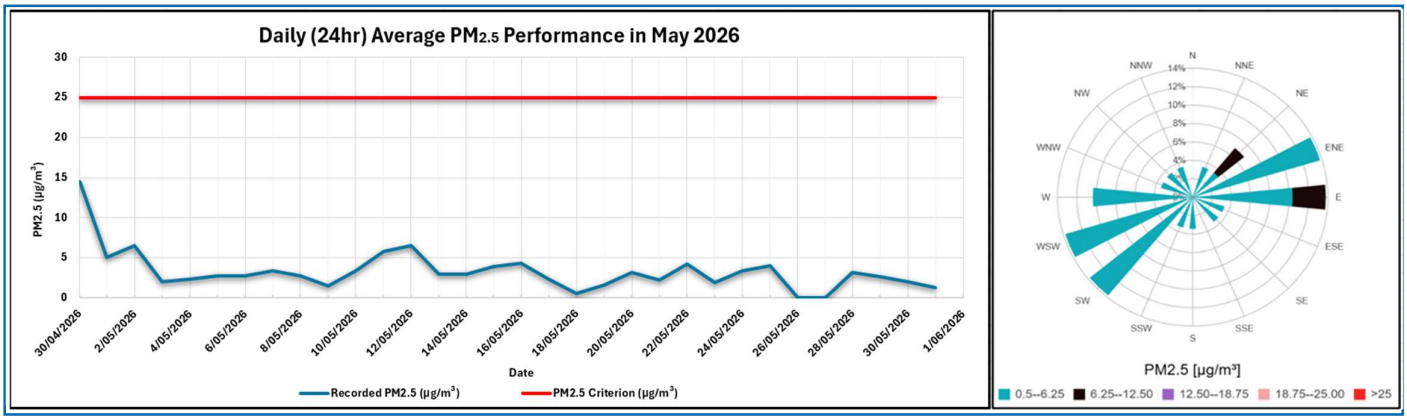


*Figure 2 - Air quality performance of particulate matter PM2.5 over a 24-hr average period in May 2026.*

## 3.2 Exceedances and Incidents Summary

The exceedances coincided with moderate to severe regional dust storm activity, which is known to significantly elevate background particulate levels across large areas. These events are typically driven by high winds acting on dry, exposed soils—common during late autumn conditions—where low soil moisture, limited ground cover following harvesting, and active land preparation increase susceptibility to wind erosion. Additional local contributing factors included nearby livestock movement disturbing surface soils and seasonal cropping activities such as ploughing and sowing, which further expose loose topsoil. These

combined conditions create widespread dust generation that can be transported over long distances, impacting monitoring results irrespective of nearby site activities.

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

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

| Date | Pollutant | Value (µg/m³) | Exceedance Comments | Notification Status to NSW EPA | Impact on Annual Compliance Reporting |
|---|---|---|---|---|---|
| 1 May 2026 | PM10 | 55.4 | Ongoing NNE- NE winds since 30 April 2026 causing dust storm event within the region.<br>Mine site activities was not the cause of dust emissions. | 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 see minor impact. |
| 2 May 2026 | PM10 | 54.84 | | 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 see minor impact. |

## 3.3 Complaints Summary

No dust reported complaints in May 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** | **01/07/2026** | **Final Report** | **C Eckersley, Env Advisor** | **B Isaacs, ERCR Superintendent** |