

**Iluka Resources Limited- Balranald Mineral Sands Mine  
Monthly Particulate Monitoring (PM2.5 and PM10)**



The below air quality monitoring results have been obtained in accordance with the Balranald Mineral Sands Mine Air Quality Management Plan and assessed against the air quality criteria outlined in Table 4 of the NSW Development Consent SSD-5285.

<b>Table 4- Short term impact assessment criterion for particulate matter</b>		
<b>Pollutant</b>	<b>Averaging period</b>	<b>Criterion</b>
Particulate matter < 10µm (PM10)	24 Hour	50 µg/m <sup>3</sup>
Particulate matter < 2.5µm (PM2.5)	24 Hour	25 µg/m <sup>3</sup>

There is 1 day of exceedance in particulate levels recorded on the monitoring station during the month of April. However, no contribution from site activities was observed during the period of exceedance in PM10 concentration 24 hour average limit.

Please see the comment section of the individual days for detailed information in the table below.

<b>Continuous Particulate Monitor (CPM1) NSW Environment Protection Licence 20795 Point #13</b>				
<b>Date Time</b>	<b>PM2.5</b>	<b>PM10</b>	<b>Compliant (Yes/No)</b>	<b>Comments</b>
	<b>µg/m<sup>3</sup></b>	<b>µg/m<sup>3</sup></b>		
24:00 01/04/2025	2.96	7.43	Yes	
24:00 02/04/2025	0	8.31	Yes	
24:00 03/04/2025	9.07	62.99	No	Period of exceedance – 14:45h to 21:45h 03/04/2025.  Average wind speed – 17.28 km/hr (up to 25.59 km/hr) Wind direction -predominantly from SW.  Ongoing site activities were assessed to have not contributed to the event.  Considering wind speed was predominantly blowing from SW direction, towards the site, any impact on dust levels cannot be attributed to the site activities.
24:00 04/04/2025	3.42	16.7	Yes	
24:00 05/04/2025	3.37	12.24	Yes	
24:00 06/04/2025	4.29	14	Yes	
24:00 07/04/2025	5.61	25.72	Yes	
24:00 08/04/2025	11.73	17.03	Yes	
24:00 09/04/2025	9.64	25.39	Yes	
24:00 10/04/2025	7.97	23.09	Yes	
24:00 11/04/2025	5.89	15.69	Yes	
24:00 12/04/2025	7.48	18.37	Yes	
24:00 13/04/2025	10.84	20.19	Yes	
24:00 14/04/2025	8.35	23.07	Yes	

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24:00 15/04/2025	14.48	38.23	Yes	
24:00 16/04/2025	13.33	27.37	Yes	
24:00 17/04/2025	6.9	30.06	Yes	
24:00 18/04/2025	9.65	31.29	Yes	
24:00 19/04/2025	10.93	41.38	Yes	
24:00 20/04/2025	8.54	46.43	Yes	
24:00 21/04/2025	8.06	33.93	Yes	
24:00 22/04/2025	5.67	16.27	Yes	
24:00 23/04/2025	7.96	13.76	Yes	
24:00 24/04/2025	6.95	23.44	Yes	
24:00 25/04/2025	4.14	14.55	Yes	
24:00 26/04/2025	1.02	2.68	Yes	
24:00 27/04/2025	2.48	4.83	Yes	
24:00 28/04/2025	2.45	3.74	Yes	
24:00 29/04/2025	2	4.31	Yes	
24:00 30/04/2025	3.18	9.5	Yes	