

**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.

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

Continuous Particulate Monitor (CPM1) NSW Environment Protection Licence 20795 Point #13				
Date Time	PM2.5	PM10	Compliant (Yes/No)	Comments
	µg/m³	µg/m³		
24:00 01/07/2024	2	3.66	Yes	
24:00 02/07/2024	4.87	4.74	Yes	
24:00 03/07/2024	4.77	4.03	Yes	
24:00 04/07/2024	2.51	3.07	Yes	
24:00 05/07/2024	3.25	4.42	Yes	
24:00 06/07/2024	3.59	3.42	Yes	
24:00 07/07/2024	2.9	3.39	Yes	
24:00 08/07/2024	3.34	1.83	Yes	
24:00 09/07/2024	1.82	2.83	Yes	
24:00 10/07/2024	3.17	5.15	Yes	
24:00 11/07/2024	1.73	1.2	Yes	
24:00 12/07/2024	1.3	4.75	Yes	
24:00 13/07/2024	2.12	5.2	Yes	
24:00 14/07/2024	1.75	3.06	Yes	
24:00 15/07/2024	1.56	0.85	Yes	
24:00 16/07/2024	3.63	3.81	Yes	
24:00 17/07/2024	3.04	4.4	Yes	
24:00 18/07/2024	2.09	3.65	Yes	
24:00 19/07/2024	2.11	2.22	Yes	
24:00 20/07/2024	6.85	20.23	Yes	
24:00 21/07/2024	6.74	11.65	Yes	
24:00 22/07/2024	No sample	No sample	NA	Intermittent electrical fault
24:00 23/07/2024	No sample	No sample	NA	Intermittent electrical fault
24:00 24/07/2024	4.67	7.16	Yes	
24:00 25/07/2024	No sample	No sample	NA	Intermittent electrical fault
24:00 26/07/2024	No sample	No sample	NA	Intermittent electrical fault
24:00 27/07/2024	2.24	3.98	Yes	
24:00 28/07/2024	3.12	5.2	Yes	
24:00 29/07/2024	3.35	5.81	Yes	

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Continuous Particulate Monitor (CPM1) NSW Environment Protection Licence 20795 Point #13				
Date Time	PM2.5	PM10	Compliant (Yes/No)	Comments
24:00 30/07/2024	3.46	6.65	Yes	
24:00 31/07/2024	5.11	4.07	Yes	