

**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

Date Time	PM2.5	PM10	Compliant (Yes/No)	Comments
	µg/m³	µg/m³		
08/07/2023 24:00	0.49	0.12	Yes	Particulate monitoring commenced.
09/07/2023 24:00	0.98	0.29	Yes	
10/07/2023 24:00	0.55	2.24	Yes	
11/07/2023 24:00	3.68	4.75	Yes	
12/07/2023 24:00	0.89	3.58	Yes	
13/07/2023 24:00	1.51	2.89	Yes	
14/07/2023 24:00	1.76	2.74	Yes	
15/07/2023 24:00	4.31	4.73	Yes	
16/07/2023 24:00	2.84	6.97	Yes	
17/07/2023 24:00	2.94	4.55	Yes	
18/07/2023 24:00	3.38	7.26	Yes	
19/07/2023 24:00	0.70	8.70	Yes	
20/07/2023 24:00	4.37	5.81	Yes	
21/07/2023 24:00	2.47	7.47	Yes	
22/07/2023 24:00	2.53	4.88	Yes	
23/07/2023 24:00	2.86	3.66	Yes	
24/07/2023 24:00	3.36	4.37	Yes	
25/07/2023 24:00	2.38	2.62	Yes	
26/07/2023 24:00	2.08	3.95	Yes	
27/07/2023 24:00	2.33	3.53	Yes	
28/07/2023 24:00	4.72	7.42	Yes	
29/07/2023 24:00	0.81	5.50	Yes	
30/07/2023 24:00	1.84	3.27	Yes	
Minimum	0.49	0.12		
MinDate	08/07	08/07		
MinTime	24:00	24:00		
Maximum	4.72	8.70		
MaxDate	28/07	19/07		
MaxTime	24:00	24:00		
Avg	2.33	4.40		

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Date Time	PM2.5	PM10	Compliant (Yes/No)	Comments
Num	23	23		
Data[%]	100	100		
STD	1.2	2.1		