

**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		
1/08/2023	3.03	4.59	Yes	
2/08/2023	2.25	3.23	Yes	
3/08/2023	1.46	2.96	Yes	
4/08/2023	5.5	7.81	Yes	
5/08/2023	-0.15	5.8	Yes	
6/08/2023	4.02	3.16	Yes	
7/08/2023	2.66	2.81	Yes	
8/08/2023	3.78	9.12	Yes	
9/08/2023	4.8	8.39	Yes	
10/08/2023	5.73	12.27	Yes	
11/08/2023	4.54	8.06	Yes	
12/08/2023	3.65	6.36	Yes	
13/08/2023	2.79	4	Yes	
14/08/2023	1.15	4.33	Yes	
15/08/2023	1.82	4.26	Yes	
16/08/2023	3.46	9.12	Yes	
17/08/2023	4.93	2.97	Yes	
18/08/2023	2.42	5.74	Yes	
19/08/2023	3.65	3.5	Yes	
20/08/2023	2.17	2.29	Yes	
21/08/2023	1.28	1.72	Yes	
22/08/2023	0.36	1.5	Yes	
23/08/2023	2.81	7.26	Yes	
24/08/2023	3.31	5.89	Yes	
25/08/2023	1.68	5.02	Yes	
26/08/2023	2.78	3.79	Yes	
27/08/2023	3.43	7.9	Yes	
28/08/2023	2.72	6.6	Yes	
29/08/2023	3.47	8.05	Yes	
30/08/2023	1.9	6.22	Yes	

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Date Time	PM2.5	PM10	Compliant (Yes/No)	Comments
31/08/2023	3.53	4.31	Yes	
Minimum	-0.15	1.5		
MinDate	5-Aug	22-Aug		
MinTime	24:00:00	24:00:00		
Maximum	5.73	12.27		
MaxDate	10-Aug	10-Aug		
MaxTime	24:00:00	24:00:00		
Avg	2.87	5.38		
Num	33	33		
Data[%]	100	100		
STD	1.3	2.4		