

**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		
01/10/2023 24:00	4.08	19.22	Yes	
02/10/2023 24:00	7.65	33.98	Yes	
03/10/2023 24:00	9.74	22.19	Yes	
04/10/2023 24:00	-0.43	4.84	Yes	
05/10/2023 24:00	2.83	6.71	Yes	
06/10/2023 24:00	2.55	7.78	Yes	
07/10/2023 24:00	4.06	7.19	Yes	
08/10/2023 24:00	4.68	9.02	Yes	
09/10/2023 24:00	4.33	7.82	Yes	
10/10/2023 24:00	3.94	6.55	Yes	
11/10/2023 24:00	5.7	8.87	Yes	
12/10/2023 24:00	4.3	12.37	Yes	
13/10/2023 24:00	4.51	8.76	Yes	
14/10/2023 24:00	2.49	6.48	Yes	
15/10/2023 24:00	2.93	4.61	Yes	
16/10/2023 24:00	2.68	9.24	Yes	
17/10/2023 24:00	4.08	12.45	Yes	
18/10/2023 24:00	4.55	8.34	Yes	
19/10/2023 24:00	3.25	10.43	Yes	
20/10/2023 24:00	6.81	16.61	Yes	
21/10/2023 24:00	4.35	15.96	Yes	
22/10/2023 24:00	5.07	10.49	Yes	
23/10/2023 24:00	4.14	14.28	Yes	
24/10/2023 24:00	5.17	20.65	Yes	
25/10/2023 24:00	2.08	13.5	Yes	
26/10/2023 24:00	1.41	9.96	Yes	
27/10/2023 24:00	5.84	10.55	Yes	
28/10/2023 24:00	4.13	9.49	Yes	
29/10/2023 24:00	4.91	14.62	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
30/10/2023 24:00	4.31	16.76	Yes	
31/10/2023 24:00	4.06	15.36	Yes	