

Quarterly Dust Monitoring Results

Q3 2024



Date of this report	1/11/2024
Environmental Personnel Submitting Report	Les Merton Environment and Community Superintendent Cameby Downs Mine Phone: (07) 4665 8621
Relevant Environmental Authority Conditions	EPML00900113 Condition B2 (e); quarterly reporting of the measured dust deposition rates and PM10 concentrations to a publicly available website
Period	1/07/2024 - 30/09/2024

Table 1: Quarter 3 2024 PM10 Concentrations

Date	PM10 24 hour Average ($\mu\text{g}/\text{m}^3$)
1/07/2024	6.5000
2/07/2024	1.5000
3/07/2024	2.6000
4/07/2024	4.2000
5/07/2024	3.2000
6/07/2024	5.2000
7/07/2024	5.9000
8/07/2024	3.8000
9/07/2024	2.9000
10/07/2024	3.9000
11/07/2024	3.6000
12/07/2024	2.2000
13/07/2024	2.7000
14/07/2024	1.0000
15/07/2024	0.8000
16/07/2024	2.0000
17/07/2024	2.2000
18/07/2024	1.4000
19/07/2024	0.8000

Quarterly Dust Monitoring Results

Q3 2024



Table 1: Quarter 3 2024 PM10 Concentrations

	PM10 24 hour Average ($\mu\text{g}/\text{m}^3$)
20/07/2024	2.3000
21/07/2024	3.5000
22/07/2024	9.2000
23/07/2024	5.5000
24/07/2024	6.7000
25/07/2024	33.4000
26/07/2024	8.2000
27/07/2024	18.7000
28/07/2024	8.0000
29/07/2024	1.4000
30/07/2024	1.6000
31/07/2024	6.5000
1/08/2024	6.4000
2/08/2024	5.3000
3/08/2024	30.0000
4/08/2024	13.2000
5/08/2024	9.7000
6/08/2024	8.6000
7/08/2024	1.8000
8/08/2024	6.3000
9/08/2024	5.8000
10/08/2024	5.4000
11/08/2024	7.2000
12/08/2024	5.8000
13/08/2024	3.3000
14/08/2024	3.0000
16/08/2024	2.8000
17/08/2024	1.5000

Quarterly Dust Monitoring Results

Q3 2024



Table 1: Quarter 3 2024 PM10 Concentrations

	PM10 24 hour Average ($\mu\text{g}/\text{m}^3$)
18/08/2024	2.8000
19/08/2024	2.3000
20/08/2024	4.0000
21/08/2024	16.8000
22/08/2024	30.3000
23/08/2024	24.5000
24/08/2024	8.8000
25/08/2024	19.0000
26/08/2024	23.0000
27/08/2024	20.8000
28/08/2024	21.7000
29/08/2024	33.8000
30/08/2024	14.8000
31/08/2024	17.5000
1/09/2024	19.6000
2/09/2024	34.1000
3/09/2024	12.9000
4/09/2024	20.4000
5/09/2024	21.7000
6/09/2024	16.8000
7/09/2024	24.0000
8/09/2024	16.7000
9/09/2024	28.8000
10/09/2024	26.3000
11/09/2024	16.5000
12/09/2024	23.8000
13/09/2024	17.4000
14/09/2024	9.0000

Quarterly Dust Monitoring Results

Q3 2024



Table 1: Quarter 3 2024 PM10 Concentrations

	PM10 24 hour Average ($\mu\text{g}/\text{m}^3$)
15/09/2024	4.0000
16/09/2024	12.1000
17/09/2024	5.6000
18/09/2024	5.2000
19/09/2024	24.8000
20/09/2024	19.3000
21/09/2024	20.5000
22/09/2024	24.1000
23/09/2024	5.1000
24/09/2024	14.4000
25/09/2024	26.6000
26/09/2024	23.7000
27/09/2024	24.2000
28/09/2024	7.3000
29/09/2024	4.0000
30/09/2024	4.1000

Quarterly Dust Monitoring Results

Q3 2024



Table 2: Quarter 3 2024 Depositional Dust Monitoring Data

	CDG1			CDG2			CDG3			CDG4			CDG5			CDG6		
	31-07-2024	30-08-2024	30-09-2024	31-07-2024	30-08-2024	30-09-2024	31-07-2024	30-08-2024	30-09-2024	31-07-2024	30-08-2024	30-09-2024	31-07-2024	30-08-2024	30-09-2024	31-07-2024	30-08-2024	30-09-2024
Depositional Dust																		
Ash Content - Monthly (g/m ² /month)	0.2	0.1	0.3	0.2	0.2	0.4	0.1	<0.1	0.2	1.2	0.8	0.4	0.7	0.6	0.9	0.2	0.1	0.3
Ash Content (mg)	3	2	6	4	3	7	<2	<2	3	21	14	8	12	10	17	3	2	6
Combustible Matter (g/m ² /month)	0.1	0.1	0.3	0.2	0.2	0.3	<0.1	0.5	0.1	0.8	1.5	0.1	0.9	1.6	0.7	0.1	0.1	0.2
Combustible Matter (mg)	2	2	5	3	4	6	<2	9	3	14	27	2	16	29	12	3	2	4
Calculated Rainfall (mm)	9	54	18	7	50	19	8	50	18	8	49	19	6	48	17	7	43	18
Volume	152	946	324	132	888	341	139	882	326	142	870	343	100	859	301	130	757	320
Total Soluble Matter (g/m ² /month)	<0.1	<0.1	<0.1	2.6	0.1	2.4	<0.1	<0.1	2.6	0.2	0.7	0.1	3.0	0.1	<0.1	<0.1	<0.1	<0.1
Total Soluble Matter (mg)	<2	<2	<2	46	2	44	<2	<2	47	4	12	3	53	2	<2	<2	<2	<2
Total Insoluble Matter (g/m ² /month)	0.3	0.2	0.6	0.4	0.4	0.7	0.1	0.5	0.3	2.0	2.3	0.5	1.6	2.2	1.6	0.3	0.2	0.5
Total Insoluble Matter (mg)	5	4	11	7	7	13	<2	9	6	35	41	10	28	39	29	6	4	10
Total Solids (g/m ² /month)	0.3	0.2	0.6	3.0	0.5	3.1	0.1	0.5	2.9	2.2	3.0	0.6	4.6	2.3	1.6	0.3	0.2	0.5
Total Solids (mg)	5	4	11	53	9	57	<2	9	53	39	53	13	81	41	29	6	4	10
Others	10.00	6.70	20.00	13.30	13.30	23.30	3.30	16.70	10.00	66.70	76.70	16.70	53.30	73.30	53.30	10.00	6.70	16.70