

Quarterly Dust Monitoring Results

Q2 2022



Date of this report	1/08/2022
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	1/04/2022 - 30/06/2022

Table 1: Quarter 2 2022 PM10 Concentrations

Date	PM10 24 hour Average ($\mu\text{g}/\text{m}^3$)
1/04/2022	5.3000
2/04/2022	4.5000
3/04/2022	6.3000
4/04/2022	8.8000
5/04/2022	5.6000
6/04/2022	9.2000
7/04/2022	7.0000
8/04/2022	14.8000
9/04/2022	9.1000
10/04/2022	9.1000
11/04/2022	6.9000
12/04/2022	5.6000
13/04/2022	5.5000
14/04/2022	11.7000
15/04/2022	5.0000
16/04/2022	4.8000
17/04/2022	3.3000
18/04/2022	3.5000
19/04/2022	7.6000

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Table 1: Quarter 2 2022 PM10 Concentrations

	PM10 24 hour Average ($\mu\text{g}/\text{m}^3$)
20/04/2022	6.6000
21/04/2022	8.9000
22/04/2022	8.7000
23/04/2022	12.0000
24/04/2022	7.2000
25/04/2022	6.4000
26/04/2022	4.0000
27/04/2022	3.0000
28/04/2022	5.8000
29/04/2022	3.7000
30/04/2022	2.8000
1/05/2022	7.5000
2/05/2022	6.8000
3/05/2022	6.7000
4/05/2022	8.8000
5/05/2022	3.8000
6/05/2022	8.0000
7/05/2022	4.9000
8/05/2022	3.8000
9/05/2022	3.0000
10/05/2022	5.7000
11/05/2022	2.6000
12/05/2022	4.2000
13/05/2022	8.3000
14/05/2022	7.9000
15/05/2022	3.6000
16/05/2022	3.3000

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Table 1: Quarter 2 2022 PM10 Concentrations

	PM10 24 hour Average ($\mu\text{g}/\text{m}^3$)
17/05/2022	3.5000
18/05/2022	5.0000
19/05/2022	5.2000
20/05/2022	5.3000
21/05/2022	7.7000
22/05/2022	7.3000
23/05/2022	4.5000
24/05/2022	4.3000
25/05/2022	5.4000
26/05/2022	7.4000
27/05/2022	7.6000
28/05/2022	7.0000
29/05/2022	6.2000
30/05/2022	4.9000
31/05/2022	9.3000
1/06/2022	19.9000
2/06/2022	10.0000
3/06/2022	13.7000
4/06/2022	9.1000
5/06/2022	2.8000
6/06/2022	3.8000
7/06/2022	3.6000
8/06/2022	4.1000
9/06/2022	3.3000
10/06/2022	0.7000
11/06/2022	0.7000
12/06/2022	0.4000

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Table 1: Quarter 2 2022 PM10 Concentrations

	PM10 24 hour Average ($\mu\text{g}/\text{m}^3$)
13/06/2022	1.1000
14/06/2022	3.3000
15/06/2022	7.7000
16/06/2022	9.3000
17/06/2022	4.7000
18/06/2022	4.0000
19/06/2022	3.3000
20/06/2022	9.3000
21/06/2022	3.5000
22/06/2022	5.3000
23/06/2022	5.8000
24/06/2022	3.9000
25/06/2022	3.7000
26/06/2022	5.4000
27/06/2022	4.0000
28/06/2022	4.5000
29/06/2022	4.9000
30/06/2022	5.0000

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Table 2: Quarter 2 2022 Depositional Dust Monitoring Data

	CDG1		CDG2		CDG3		CDG4		CDG5		CDG6	
	01-04-2022	03-05-2022	01-04-2022	03-05-2022	01-04-2022	03-05-2022	01-04-2022	03-05-2022	01-04-2022	03-05-2022	01-04-2022	03-05-2022
Depositional Dust												
Ash Content - Monthly (g/m ² /month)	0.8	0.4	1.6	0.5	1.8	1.4	1.3	0.4	0.4	0.8	0.2	0.1
Ash Content (mg)	15	7	29	9	33	27	23	8	7	16	4	2
Combustible Matter (g/m ² /month)	0.1	<0.1	<0.1	0.3	0.2	1.7	0.1	0.1	0.1	0.8	0.1	0.3
Combustible Matter (mg)	<2	<2	<2	7	4	31	2	<2	3	15	2	5
Calculated Rainfall (mm)	87	11	33	12	64	16	32	13	59	27	30	17
Volume	1540	201	587	216	1130	291	572	224	1050	480	526	308
Total Soluble Matter (g/m ² /month)	2.6	0.4	1.3	<0.1	1.3	5.4	1.3	0.5	1.0	1.2	1.0	0.6
Total Soluble Matter (mg)	47	7	24	<2	25	102	25	10	18	23	19	10
Total Insoluble Matter (g/m ² /month)	0.9	0.4	1.6	0.8	2.0	3.1	1.4	0.5	0.5	1.6	0.3	0.4
Total Insoluble Matter (mg)	16	8	29	16	37	58	25	9	10	31	6	7
Total Solids (g/m ² /month)	3.5	0.8	2.9	0.8	3.3	8.5	2.7	1.0	1.5	2.8	1.3	1.0
Total Solids (mg)	63	15	53	16	62	160	50	19	28	54	25	17
Total Insoluble Matter (Average) (g/m ² /day)	0.0300	0.0133	0.0533	0.0267	0.0667	0.1033	0.0467	0.0167	0.0167	0.0533	0.0100	0.0133