

Quarterly Dust Monitoring Results

Q1 2022



Date of this report	1/05/2022
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	1/01/2022 - 31/03/2022

Table 1: Quarter 1 2022 PM10 Concentrations

Date	PM10 24 hour Average ($\mu\text{g}/\text{m}^3$)
1/01/2022	6.6000
2/01/2022	5.1000
3/01/2022	9.4000
4/01/2022	6.5000
5/01/2022	8.1000
6/01/2022	4.9000
7/01/2022	5.6000
8/01/2022	4.8000
9/01/2022	6.2000
10/01/2022	4.7000
11/01/2022	10.4000
12/01/2022	9.1000
13/01/2022	13.3000
14/01/2022	13.0000
15/01/2022	7.5000
16/01/2022	9.2000
17/01/2022	9.3000
18/01/2022	15.0000
19/01/2022	11.3000

Quarterly Dust Monitoring Results

Q1 2022



Table 1: Quarter 1 2022 PM10 Concentrations

	PM10 24 hour Average ($\mu\text{g}/\text{m}^3$)
20/01/2022	6.9000
21/01/2022	3.3000
22/01/2022	12.5000
23/01/2022	8.0000
24/01/2022	5.5000
25/01/2022	4.7000
26/01/2022	8.1000
27/01/2022	7.7000
28/01/2022	5.1000
29/01/2022	4.5000
30/01/2022	5.7000
31/01/2022	7.0000
1/02/2022	8.8000
2/02/2022	9.8000
3/02/2022	7.6000
4/02/2022	3.6000
5/02/2022	4.9000
6/02/2022	8.9000
7/02/2022	7.9000
8/02/2022	7.8000
9/02/2022	8.0000
10/02/2022	14.2000
11/02/2022	16.7000
12/02/2022	14.4000
13/02/2022	7.6000
14/02/2022	15.0000
15/02/2022	8.2000

Quarterly Dust Monitoring Results

Q1 2022



Table 1: Quarter 1 2022 PM10 Concentrations

	PM10 24 hour Average ($\mu\text{g}/\text{m}^3$)
16/02/2022	9.5000
17/02/2022	9.9000
18/02/2022	29.2000
19/02/2022	22.7000
20/02/2022	12.5000
21/02/2022	7.6000
22/02/2022	5.8000
23/02/2022	5.2000
24/02/2022	2.6000
25/02/2022	4.6000
26/02/2022	3.5000
27/02/2022	3.6000
28/02/2022	2.8000
1/03/2022	5.6000
2/03/2022	8.0000
3/03/2022	7.8000
4/03/2022	9.7000
5/03/2022	7.2000
6/03/2022	4.5000
7/03/2022	14.6000
8/03/2022	8.2000
9/03/2022	6.9000
10/03/2022	5.8000
11/03/2022	6.2000
12/03/2022	4.4000
13/03/2022	5.1000
14/03/2022	7.8000

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Table 1: Quarter 1 2022 PM10 Concentrations

	PM10 24 hour Average ($\mu\text{g}/\text{m}^3$)
15/03/2022	7.5000
16/03/2022	5.4000
17/03/2022	6.4000
18/03/2022	6.5000
19/03/2022	7.9000
20/03/2022	9.8000
21/03/2022	5.1000
22/03/2022	15.6000
23/03/2022	12.8000
24/03/2022	17.2000
25/03/2022	13.2000
26/03/2022	9.7000
27/03/2022	4.8000
28/03/2022	3.9000
29/03/2022	6.5000
30/03/2022	2.1000
31/03/2022	5.6000

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Table 2: Quarter 1 2022 Depositional Dust Monitoring Data

	CDG1			CDG2			CDG3			CDG4			CDG5			CDG6		
	04-01-2022	01-02-2022	01-03-2022	04-01-2022	01-02-2022	01-03-2022	04-01-2022	01-02-2022	01-03-2022	04-01-2022	01-02-2022	01-03-2022	04-01-2022	01-02-2022	01-03-2022	05-01-2022	01-02-2022	01-03-2022
Depositional Dust																		
Ash Content - Monthly (g/m ² /month)	0.2	0.2	0.5	0.7	0.8	0.6	1.0	2.1	1.9	0.2	1.5	0.4	0.2	0.9	0.6	0.3	0.3	0.2
Ash Content (mg)	3	4	9	14	13	10	19	35	32	5	24	6	5	15	10	7	5	4
Combustible Matter (g/m ² /month)	<0.1	0.2	0.2	0.6	0.5	0.2	0.2	0.7	0.6	0.1	2.0	<0.1	0.1	0.7	0.1	<0.1	<0.1	<0.1
Combustible Matter (mg)	2	3	2	12	9	4	6	11	9	3	34	<2	4	11	2	<2	<2	<2
Calculated Rainfall (mm)	104	15	122	98	13	110	112	15	119	78	16	146	104	24	141	89	12	136
Volume	1850	268	2150	1740	232	1940	1980	261	2100	1390	276	2580	1840	418	2490	1570	219	2410
Total Soluble Matter (g/m ² /month)	2.0	0.3	3.5	3.3	0.3	2.1	1.9	0.3	2.7	1.8	0.5	1.4	2.5	0.6	1.0	1.3	<0.1	2.0
Total Soluble Matter (mg)	40	6	57	67	5	35	38	5	44	36	7	23	50	9	17	26	<2	34
Total Insoluble Matter (g/m ² /month)	0.2	0.4	0.7	1.3	1.3	0.8	1.2	2.8	2.5	0.4	3.5	0.4	0.4	1.6	0.7	0.3	0.3	0.2
Total Insoluble Matter (mg)	5	7	11	26	22	14	25	46	41	8	58	6	9	26	12	7	5	4
Total Solids (g/m ² /month)	2.2	0.7	4.2	4.6	1.6	2.9	3.1	3.1	5.2	2.2	4.0	1.8	2.9	2.2	1.7	1.6	0.3	2.2
Total Solids (mg)	45	13	68	93	27	49	63	51	85	44	65	29	59	35	29	33	5	38
Total Insoluble Matter (Average) (g/m ² /day)	0.0067	0.0133	0.0233	0.0433	0.0433	0.0267	0.0400	0.0933	0.0833	0.0133	0.1167	0.0133	0.0133	0.0533	0.0233	0.0100	0.0100	0.0067