

Quarterly Dust Monitoring Results

Q3 2022



Date of this report	1/11/2022
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	1/07/2022 - 30/09/2022

Table 1: Quarter 3 2022 PM10 Concentrations

Date	PM10 24 hour Average ($\mu\text{g}/\text{m}^3$)
1/07/2022	6.9000
2/07/2022	2.1000
3/07/2022	2.2000
4/07/2022	3.9000
5/07/2022	0.0000
6/07/2022	1.5000
7/07/2022	0.7000
8/07/2022	1.7000
9/07/2022	1.4000
10/07/2022	1.6000
11/07/2022	0.0000
12/07/2022	0.8000
13/07/2022	3.0000
14/07/2022	2.2000
15/07/2022	2.7000
16/07/2022	2.7000
17/07/2022	9.0000
18/07/2022	9.3000
19/07/2022	4.5000

Quarterly Dust Monitoring Results

Q3 2022



Table 1: Quarter 3 2022 PM10 Concentrations

	PM10 24 hour Average ($\mu\text{g}/\text{m}^3$)
20/07/2022	5.3000
21/07/2022	4.6000
22/07/2022	3.6000
23/07/2022	1.5000
24/07/2022	1.8000
25/07/2022	1.8000
26/07/2022	8.4000
27/07/2022	6.4000
28/07/2022	5.3000
29/07/2022	1.4000
30/07/2022	1.8000
31/07/2022	5.9000
1/08/2022	8.0000
2/08/2022	5.4000
3/08/2022	3.3000
4/08/2022	8.4000
5/08/2022	11.7000
6/08/2022	4.6000
7/08/2022	1.4000
8/08/2022	2.3000
9/08/2022	0.5000
10/08/2022	0.6000
11/08/2022	4.8000
12/08/2022	10.5000
13/08/2022	7.8000
14/08/2022	1.3000
15/08/2022	4.0000

Quarterly Dust Monitoring Results

Q3 2022



Table 1: Quarter 3 2022 PM10 Concentrations

	PM10 24 hour Average ($\mu\text{g}/\text{m}^3$)
16/08/2022	-0.1000
17/08/2022	3.0000
18/08/2022	0.9000
19/08/2022	2.8000
20/08/2022	5.0000
21/08/2022	1.4000
22/08/2022	1.7000
23/08/2022	9.2000
24/08/2022	8.1000
25/08/2022	1.2000
26/08/2022	2.8000
27/08/2022	5.1000
28/08/2022	14.0000
29/08/2022	9.2000
30/08/2022	11.3000
31/08/2022	6.3000
1/09/2022	3.5000
2/09/2022	9.0000
3/09/2022	8.3000
4/09/2022	1.2000
5/09/2022	2.4000
6/09/2022	5.3000
7/09/2022	9.6000
8/09/2022	8.7000
9/09/2022	8.0000
10/09/2022	2.2000
11/09/2022	3.8000

Quarterly Dust Monitoring Results

Q3 2022



Table 1: Quarter 3 2022 PM10 Concentrations

	PM10 24 hour Average ($\mu\text{g}/\text{m}^3$)
12/09/2022	4.2000
13/09/2022	6.6000
14/09/2022	4.2000
15/09/2022	14.8000
16/09/2022	21.0000
17/09/2022	13.6000
18/09/2022	8.5000
19/09/2022	7.4000
20/09/2022	7.3000
21/09/2022	11.9000
22/09/2022	9.9000
23/09/2022	2.7000
24/09/2022	1.3000
25/09/2022	3.4000
26/09/2022	7.4000
27/09/2022	7.6000
28/09/2022	9.4000
29/09/2022	6.7000
30/09/2022	4.1000

Quarterly Dust Monitoring Results

Q3 2022



Table 2: Quarter 3 2022 Depositional Dust Monitoring Data

	CDG1				CDG2				CDG3				CDG4				CDG5	
	01-07-2022	01-08-2022	01-09-2022	30-09-2022	01-07-2022	01-08-2022	01-09-2022	30-09-2022	01-07-2022	01-08-2022	01-09-2022	30-09-2022	01-07-2022	01-08-2022	01-09-2022	30-09-2022	04-07-2022	01-08-2022
Depositional Dust																		
Ash Content - Monthly (g/m ² /month)	0.4	0.3	0.6	0.3	0.3	0.2	0.1	0.2	0.9	0.6	0.9	0.8	0.9	0.3	0.6	0.5	0.8	0.8
Ash Content (mg)	7	6	11	6	5	4	2	4	16	10	16	14	16	6	12	8	16	12
Combustible Matter (g/m ² /month)	0.1	0.4	0.3	0.6	0.1	<0.1	<0.1	0.3	0.9	0.1	0.5	0.1	0.2	0.4	0.2	0.1	0.7	1.1
Combustible Matter (mg)	<2	6	6	9	2	<2	<2	4	16	3	9	2	3	7	3	3	14	19
Calculated Rainfall (mm)	27	98	33	137	26	101	30	146	30	94	30	131	26	101	27	112	50	66
Volume	480	1740	583	2410	464	1790	529	2580	530	1660	534	2320	456	1780	480	1980	876	1160
Total Soluble Matter (g/m ² /month)	2.0	3.8	0.7	6.1	1.1	1.5	<0.1	6.8	4.2	5.5	0.5	4.2	1.7	1.4	0.8	2.9	4.4	5.6
Total Soluble Matter (mg)	35	69	13	104	19	28	<2	117	75	100	10	72	30	25	14	50	86	92
Total Insoluble Matter (g/m ² /month)	0.5	0.7	0.9	0.9	0.4	0.2	0.1	0.5	1.8	0.7	1.4	0.9	1.1	0.7	0.8	0.6	1.5	1.9
Total Insoluble Matter (mg)	8	12	17	15	7	4	2	8	32	13	25	16	19	13	15	11	30	31
Total Solids (g/m ² /month)	2.5	4.5	1.6	7.0	1.5	1.7	0.1	7.3	6.0	6.2	1.9	5.1	2.8	2.1	1.6	3.5	5.9	7.5
Total Solids (mg)	43	81	30	119	26	32	2	125	107	113	35	88	49	38	29	61	116	123
Total Insoluble Matter (Average) (g/m ² /day)	0.0167	0.0233	0.0300	0.0300	0.0133	0.0067	0.0033	0.0167	0.0600	0.0233	0.0467	0.0300	0.0367	0.0233	0.0267	0.0200	0.0500	0.0633

Quarterly Dust Monitoring Results

Q3 2022



	CDG5		CDG6			
	01-09-2022	30-09-2022	04-07-2022	01-08-2022	01-09-2022	30-09-2022
Depositional Dust						
Ash Content - Monthly (g/m ² /month)	0.5	0.4	0.2	0.5	0.2	0.2
Ash Content (mg)	9	7	4	8	4	3
Combustible Matter (g/m ² /month)	0.5	0.2	0.1	0.3	0.3	0.3
Combustible Matter (mg)	10	4	<2	6	6	6
Calculated Rainfall (mm)	28	89	50	71	29	103
Volume	497	1580	875	1250	508	1830
Total Soluble Matter (g/m ² /month)	3.5	5.8	1.4	2.3	0.8	3.5
Total Soluble Matter (mg)	65	99	27	38	14	60
Total Insoluble Matter (g/m ² /month)	1.0	0.6	0.3	0.8	0.5	0.5
Total Insoluble Matter (mg)	19	11	5	14	10	9
Total Solids (g/m ² /month)	4.5	6.4	1.7	3.1	1.3	4.0
Total Solids (mg)	84	110	32	52	24	69
Total Insoluble Matter (Average) (g/m ² /day)	0.0333	0.0200	0.0100	0.0267	0.0167	0.0167