

Quarterly Dust Monitoring Results

Q4 2021



Date of this report	2/02/2022
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	1/10/2021 - 31/12/2021

Table 1: Quarter 4 2021 PM10 Concentrations

Date	PM10 24 hour Average ($\mu\text{g}/\text{m}^3$)
1/10/2021	7.0000
2/10/2021	4.6000
3/10/2021	4.4000
4/10/2021	8.9000
5/10/2021	19.3000
6/10/2021	8.8000
7/10/2021	5.4000
8/10/2021	24.4000
9/10/2021	33.2000
10/10/2021	18.0000
11/10/2021	19.4000
12/10/2021	18.8000
13/10/2021	5.9000
14/10/2021	4.5000
15/10/2021	7.3000
16/10/2021	55.0000
17/10/2021	9.1000
18/10/2021	13.3000
19/10/2021	19.2000

Quarterly Dust Monitoring Results

Q4 2021



Table 1: Quarter 4 2021 PM10 Concentrations

	PM10 24 hour Average ($\mu\text{g}/\text{m}^3$)
20/10/2021	17.9000
21/10/2021	7.9000
22/10/2021	11.8000
23/10/2021	18.3000
24/10/2021	17.3000
25/10/2021	23.7000
26/10/2021	7.5000
27/10/2021	9.2000
28/10/2021	9.3000
29/10/2021	18.4000
30/10/2021	11.3000
31/10/2021	9.1000
1/11/2021	7.9000
2/11/2021	9.5000
3/11/2021	8.6000
4/11/2021	6.8000
5/11/2021	8.8000
6/11/2021	8.1000
7/11/2021	6.2000
8/11/2021	7.5000
9/11/2021	4.3000
10/11/2021	8.3000
11/11/2021	4.8000
12/11/2021	4.4000
13/11/2021	16.5000
14/11/2021	8.8000
15/11/2021	2.0000
16/11/2021	5.4000

Quarterly Dust Monitoring Results

Q4 2021



Table 1: Quarter 4 2021 PM10 Concentrations

	PM10 24 hour Average ($\mu\text{g}/\text{m}^3$)
17/11/2021	9.5000
18/11/2021	13.1000
19/11/2021	9.9000
20/11/2021	8.3000
21/11/2021	8.8000
22/11/2021	8.7000
23/11/2021	3.3000
24/11/2021	4.0000
25/11/2021	7.8000
26/11/2021	5.2000
27/11/2021	8.7000
28/11/2021	8.3000
29/11/2021	5.1000
30/11/2021	3.4000
1/12/2021	3.2000
2/12/2021	7.5000
3/12/2021	7.8000
4/12/2021	8.7000
5/12/2021	8.4000
6/12/2021	14.6000
7/12/2021	6.4000
8/12/2021	8.2000
9/12/2021	9.4000
10/12/2021	9.8000
11/12/2021	8.8000
12/12/2021	9.8000
13/12/2021	17.8000
14/12/2021	15.2000

Quarterly Dust Monitoring Results

Q4 2021



Table 1: Quarter 4 2021 PM10 Concentrations

	PM10 24 hour Average ($\mu\text{g}/\text{m}^3$)
15/12/2021	15.2000
16/12/2021	17.4000
17/12/2021	21.5000
18/12/2021	9.0000
19/12/2021	6.9000
20/12/2021	5.5000
21/12/2021	8.9000
22/12/2021	8.8000
23/12/2021	12.0000
24/12/2021	7.8000
25/12/2021	7.3000
26/12/2021	6.6000
27/12/2021	4.0000
28/12/2021	5.0000
29/12/2021	7.9000
30/12/2021	5.6000
31/12/2021	5.8000

Quarterly Dust Monitoring Results

Q4 2021



Table 2: Quarter 4 2021 Depositional Dust Monitoring Data

	CDG1			CDG2			CDG3			CDG4			CDG5			CDG6		
	01-10-2021	01-11-2021	01-12-2021	01-10-2021	01-11-2021	01-12-2021	01-10-2021	01-11-2021	01-12-2021	01-10-2021	01-11-2021	01-12-2021	01-10-2021	01-11-2021	01-12-2021	01-10-2021	01-11-2021	01-12-2021
Depositional Dust																		
Ash Content - Monthly (g/m ² /month)	0.4	0.9	0.2	0.9	1.6	0.3	1.1	1.0	1.1	0.5	0.9	0.5	0.8	1.4	0.4	0.3	0.7	0.2
Ash Content (mg)	7	17	4	16	29	6	20	19	19	8	16	9	15	25	7	6	12	4
Combustible Matter (g/m ² /month)	0.1	0.3	<0.1	0.6	0.5	0.3	0.3	0.3	0.1	0.1	0.2	<0.1	0.5	0.6	0.2	<0.1	0.1	0.3
Combustible Matter (mg)	1	5	<1	10	10	4	4	5	3	3	4	<1	8	11	3	<1	3	4
Calculated Rainfall (mm)	27	59	148	23	58	147	24	63	148	29	68	148	27	73	148	25	77	147
Volume	473	1050	2620	411	1020	2600	433	1120	2610	518	1210	2620	470	1280	2620	442	1370	2600
Total Soluble Matter (g/m ² /month)	1.0	0.9	2.0	2.0	1.1	1.5	1.1	0.9	1.7	1.9	1.1	1.3	3.9	2.6	1.0	0.7	1.6	1.1
Total Soluble Matter (mg)	18	16	35	36	20	26	20	16	30	34	20	23	69	48	17	12	28	19
Total Insoluble Matter (g/m ² /month)	0.5	1.2	0.2	1.5	2.1	0.6	1.4	1.3	1.2	0.6	1.1	0.5	1.3	2.0	0.6	0.3	0.8	0.5
Total Insoluble Matter (mg)	8	22	4	26	39	10	24	24	22	11	20	9	23	36	10	6	15	8
Total Solids (g/m ² /month)	1.5	2.1	2.2	3.5	3.2	2.1	2.5	2.2	2.9	2.5	2.2	1.8	5.2	4.6	1.6	1.0	2.4	1.6
Total Solids (mg)	26	38	39	62	59	36	44	40	52	45	40	32	92	84	27	18	43	27
Others	16.70	40.00	6.70	50.00	70.00	20.00	46.70	43.30	40.00	20.00	36.70	16.70	43.30	66.70	20.00	10.00	26.70	16.70