

Quarterly Dust Monitoring Results

Q1 2020



Date of this Report	30/04/2020
Environmental Personnel Submitting Report	Les Merton Environment and Community Superintendent Cameby Downs Mine
Relevant Environmental Authority Conditions	EPML00900113 <i>Condition B2 (e); quarterly reporting of the measured dust deposition rates and PM10 concentrations to a publicly available web site</i>
Period	01/01/2020 – 31/03/2020

Table 1: Quarter 1 2020: PM10 concentrations

Date	UnitId	PM10MC($\mu\text{g}/\text{m}^3$)
1/01/2020	110	12.8
2/01/2020	110	17.7
3/01/2020	110	16.4
4/01/2020	110	25.9
5/01/2020	110	19.9
6/01/2020	110	17.6
7/01/2020	110	11.2
8/01/2020	110	8.9
9/01/2020	110	20.7
10/01/2020	110	28
11/01/2020	110	29.3
12/01/2020	110	36
13/01/2020	110	48.7
14/01/2020	110	16
15/01/2020	110	20.4
16/01/2020	110	8.3
17/01/2020	110	13.4
18/01/2020	110	5
19/01/2020	110	3
20/01/2020	110	11.6
21/01/2020	110	18.5
22/01/2020	110	52.4
23/01/2020	110	14.8
24/01/2020	110	13.1
25/01/2020	110	7.6
26/01/2020	110	9.6
27/01/2020	110	4.3
28/01/2020	110	8
29/01/2020	110	10.2
30/01/2020	110	10

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31/01/2020	110	15.1
1/02/2020	110	13.8
2/02/2020	110	12.6
3/02/2020	110	16.9
4/02/2020	110	17.6
5/02/2020	110	19.9
6/02/2020	110	4.1
7/02/2020	110	2.5
8/02/2020	110	5.4
9/02/2020	110	5.4
10/02/2020	110	10.6
11/02/2020	110	8.9
12/02/2020	110	5.1
13/02/2020	110	3.4
14/02/2020	110	3.2
15/02/2020	110	6.6
16/02/2020	110	6.8
17/02/2020	110	5.3
18/02/2020	110	6.5
19/02/2020	110	7.4
20/02/2020	110	20.8
21/02/2020	110	48.7
22/02/2020	110	42.7
23/02/2020	110	14.4
24/02/2020	110	11.5
25/02/2020	110	4.3
26/02/2020	110	7.2
27/02/2020	110	3.7
28/02/2020	110	8.5
29/02/2020	110	10.6
1/03/2020	110	10.5
2/03/2020	110	12.5
3/03/2020	110	14.5
4/03/2020	110	14
5/03/2020	110	10.6
6/03/2020	110	9.4
7/03/2020	110	2.2
8/03/2020	110	5.1
9/03/2020	110	8.6
10/03/2020	110	4.9
11/03/2020	110	1.6
12/03/2020	110	3.6

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Table 2: Q1 2020 Depositional Dust Monitoring Data

Parameters	Site	CDG1			CDG2			CDG3			CDG4			CD5			CDG6		
		30/09/19	01/11/19	29/11/19	30/09/19	01/11/19	29/11/19	30/09/19	01/11/19	29/11/19	30/09/19	01/11/19	29/11/19	30/09/19	01/11/19	29/11/19	30/09/19	01/11/19	29/11/19
EA120: Ash Content																			
Ash Content	g/m ² .month	1.6	0.6	0.2	3.7	1	0.9	2.1	1.1	0.9	2.7	0.7	0.4	1.6	0.4	1.1	4	0.5	0.2
Ash Content	mg	28	11	4	64	18	16	36	20	16	46	12	8	28	8	19	69	9	4
EA125: Combustible Matter																			
Combustible Matter	g/m ² .month	0.2	0.3	0.1	0.5	0.4	0.3	0.8	0.4	0.2	0.3	0.2	0.2	0.6	0.3	0.7	0.5	0.2	0.1
Combustible Matter	mg	2	5	2	7	8	5	14	7	4	6	4	3	10	4	14	10	3	1
EA130: Calculated Rainfall																			
Calculated Rainfall	mm	83	148	17	113	147	11	130	148	13	51	147	10	48	146	11	56	119	10
EA130: Volume																			
Volume	mL	1470	2610	299	1990	2600	188	2300	2610	237	906	2590	177	845	2590	197	985	2110	181
EA139: Total Soluble Matter																			

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Total Soluble Matter	g/m ² .month	1.7	2.7	2.5	2.1	2.4	3.2	3.5	2.7	2.6	2.3	5	1.9	1.9	4.2	3.1	2.2	3. 2	2.1
Total Soluble Matter	mg	29	50	46	36	44	59	60	49	47	39	91	35	32	76	56	37	58	39
EA141: Total Insoluble Matter																			
Total Insoluble Matter	g/m ² .month	1.8	0.9	0.4	4.2	1.4	1.2	2.9	1.5	1.1	3	0. 9	0.6	2.2	0.7	1.8	4.6	0. 7	0.3
Total Insoluble Matter	mg	30	16	7	71	26	21	50	28	20	52	16	11	38	12	33	79	12	5
EA142: Total Solids																			
Total Solids	g/m ² .month	3.5	3.6	2.9	6.3	3.8	4.4	6.4	4.2	3.7	5.3	5. 9	2.5	4.1	4.9	4.9	6.8	3. 9	2.4
Total Solids	mg	59	66	53	107	70	80	110	77	67	91	10 7	46	70	88	89	116	70	44
Total Insoluble matter	mg/(m ² /day)	60	30	13	140	47	40	97	50	37	100	30	20	73	23	60	153	23	10