

Quarterly Dust Monitoring Results

Q3 2020



Date of this report	29/10/2020
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	1/07/2020 - 30/09/2020

Table 1: Quarter 3 2020 PM10 Concentrations

Date	PM10 24 hour Average ($\mu\text{g}/\text{m}^3$)
1/07/2020	5.5000
2/07/2020	5.5000
3/07/2020	8.4000
4/07/2020	8.0000
5/07/2020	5.7000
6/07/2020	3.9000
7/07/2020	4.2000
8/07/2020	4.6000
9/07/2020	6.4000
10/07/2020	3.9000
11/07/2020	5.9000
12/07/2020	5.8000
13/07/2020	2.5000
14/07/2020	2.7000
15/07/2020	3.1000
16/07/2020	4.3000
17/07/2020	4.8000
18/07/2020	3.8000
19/07/2020	5.0000

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Table 1: Quarter 3 2020 PM10 Concentrations

	PM10 24 hour Average ($\mu\text{g}/\text{m}^3$)
20/07/2020	5.0000
21/07/2020	5.1000
22/07/2020	8.2000
23/07/2020	9.4000
24/07/2020	7.8000
25/07/2020	3.0000
26/07/2020	4.4000
27/07/2020	2.4000
28/07/2020	4.3000
29/07/2020	4.0000
30/07/2020	4.7000
31/07/2020	5.3000
1/08/2020	7.1000
2/08/2020	5.7000
3/08/2020	5.7000
4/08/2020	7.2000
5/08/2020	7.5000
6/08/2020	14.2000
7/08/2020	9.8000
8/08/2020	18.5000
9/08/2020	3.1000
10/08/2020	3.7000
11/08/2020	2.1000
12/08/2020	7.6000
13/08/2020	8.0000
14/08/2020	8.1000
15/08/2020	17.5000
16/08/2020	6.1000

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	PM10 24 hour Average ($\mu\text{g}/\text{m}^3$)
17/08/2020	2.8000
18/08/2020	4.9000
19/08/2020	17.4000
20/08/2020	7.1000
21/08/2020	42.5000
22/08/2020	7.9000
23/08/2020	33.9000
24/08/2020	7.0000
25/08/2020	5.4000
26/08/2020	5.1000
27/08/2020	7.8000
28/08/2020	15.2000
29/08/2020	11.9000
30/08/2020	12.0000
31/08/2020	12.2000
1/09/2020	11.5000
2/09/2020	13.9000
3/09/2020	24.8000
4/09/2020	10.9000
5/09/2020	9.5000
6/09/2020	14.2000
7/09/2020	11.8000
8/09/2020	8.3000
9/09/2020	9.6000
10/09/2020	11.6000
11/09/2020	9.2000
12/09/2020	7.9000
13/09/2020	9.0000

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Table 1: Quarter 3 2020 PM10 Concentrations

	PM10 24 hour Average ($\mu\text{g}/\text{m}^3$)
14/09/2020	8.9000
15/09/2020	7.5000
16/09/2020	10.3000
17/09/2020	10.9000
18/09/2020	9.9000
19/09/2020	8.8000
20/09/2020	10.7000
21/09/2020	13.6000
22/09/2020	18.9000
23/09/2020	15.0000
24/09/2020	13.9000
25/09/2020	8.6000
26/09/2020	23.6000
27/09/2020	27.1000
28/09/2020	5.6000
29/09/2020	8.5000
30/09/2020	9.8000

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Table 2: Quarter 3 2020 Depositional Dust Monitoring Data

	CDG1			CDG2			CDG3			CDG4			CDG5			CDG6		
	02-07-2020	06-08-2020	01-09-2020	02-07-2020	06-08-2020	01-09-2020	02-07-2020	06-08-2020	01-09-2020	02-07-2020	06-08-2020	01-09-2020	02-07-2020	06-08-2020	01-09-2020	02-07-2020	06-08-2020	01-09-2020
Depositional Dust																		
Ash Content - Monthly (g/m ² /month)	0.3	0.2	0.4	0.2	0.2	0.6	0.4	0.8	0.7	0.5	0.4	<0.1	1.4	0.2	0.3	0.4	0.2	0.3
Ash Content (mg)	6	4	5	4	3	9	7	17	11	9	8	<1	26	4	5	8	5	4
Combustible Matter (g/m ² /month)	<0.1	<0.1	0.1	0.1	<0.1	0.4	0.2	0.5	0.5	0.4	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2
Combustible Matter (mg)	<1	<1	3	1	1	6	4	10	8	8	5	3	4	3	1	2	2	2
Calculated Rainfall (mm)	30	22	16	22	25	20	39	29	18	22	32	<1	42	24	16	30	27	12
Volume	538	380	276	392	442	346	695	508	318	391	562	<1	739	419	288	531	481	214
Total Soluble Matter (g/m ² /month)	3.3	2.2	2.4	3.1	2.2	2.4	4.2	3.2	4.6	4.3	3.5	0.1	4.4	2.3	1.4	3.6	3.2	1.3
Total Soluble Matter (mg)	59	44	37	56	46	37	76	66	70	78	72	1	80	48	21	65	66	20
Total Insoluble Matter (g/m ² /month)	0.3	0.2	0.5	0.3	0.2	1.0	0.6	1.3	1.2	0.9	0.6	0.3	1.6	0.3	0.4	0.5	0.3	0.5
Total Insoluble Matter (mg)	6	4	8	5	4	15	11	27	19	17	13	4	30	7	6	10	7	7
Total Solids (g/m ² /month)	3.6	2.4	2.9	3.4	2.4	3.4	4.8	4.5	5.8	5.2	4.1	0.4	6.0	2.6	1.8	4.1	3.5	1.8
Total Solids (mg)	65	48	45	61	50	52	87	93	89	95	85	5	110	55	27	75	73	27
Others	10.00	6.70	16.70	10.00	6.70	33.30	20.00	43.30	40.00	30.00	20.00	10.00	53.30	10.00	13.30	16.70	10.00	16.70