

Quarterly Dust Monitoring Results

Q3 2019



Date of this Report	15/10/2019
Environmental Personnel Submitting Report	Les Merton Environment and Community Superintendent Cameby Downs Mine Phone: (07) 4665 8621
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	01/07/2019 – 30/09/2019

Table 1: Quarter 3 2019: PM10 concentrations

StartDate	UnitId	PM10MC($\mu\text{g}/\text{m}^3$): 24-hour Average
1/07/2019	110	7.5
2/07/2019	110	16.7
3/07/2019	110	20.6
4/07/2019	110	13.7
5/07/2019	110	12.1
6/07/2019	110	6.7
7/07/2019	110	5.9
8/07/2019	110	9.4
9/07/2019	110	9.9
10/07/2019	110	5.3
11/07/2019	110	7.5
12/07/2019	110	6.9
13/07/2019	110	10.3
14/07/2019	110	12.8
15/07/2019	110	6.5
16/07/2019	110	7.7
17/07/2019	110	7.6
18/07/2019	110	7.1
19/07/2019	110	5.9
20/07/2019	110	6.7
21/07/2019	110	16.1
22/07/2019	110	13
23/07/2019	110	11.9

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StartDate	UnitId	PM10MC($\mu\text{g}/\text{m}^3$): 24-hour Average
24/07/2019	110	10.8
25/07/2019	110	13.6
26/07/2019	110	9.8
27/07/2019	110	17.9
28/07/2019	110	16.8
29/07/2019	110	6
30/07/2019	110	11.4
31/07/2019	110	12.3
1/08/2019	110	13.5
2/08/2019	110	5.4
3/08/2019	110	4.4
4/08/2019	110	5.4
5/08/2019	110	11.4
6/08/2019	110	20.2
7/08/2019	110	38.2
8/08/2019	110	15.5
9/08/2019	110	15.3
10/08/2019	110	21
11/08/2019	110	30.4
12/08/2019	110	17.8
13/08/2019	110	10.2
14/08/2019	110	14.7
15/08/2019	110	14.9
16/08/2019	110	24.2
17/08/2019	110	16.4
18/08/2019	110	12.3
19/08/2019	110	21.7
20/08/2019	110	73.6
21/08/2019	110	14.8
22/08/2019	110	12.5
23/08/2019	110	22.8
24/08/2019	110	31
25/08/2019	110	16.6
26/08/2019	110	12.8
27/08/2019	110	12.4
28/08/2019	110	24.1
29/08/2019	110	13.2
30/08/2019	110	8.2
31/08/2019	110	4.8
1/09/2019	110	8.4
2/09/2019	110	8.6

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StartDate	UnitId	PM10MC($\mu\text{g}/\text{m}^3$): 24-hour Average
3/09/2019	110	6.8
4/09/2019	110	9.6
5/09/2019	110	12.2
6/09/2019	110	10.3
7/09/2019	110	37.2
8/09/2019	110	Unit flow faults - insufficient valid data for 24 hr result
9/09/2019	110	35.9
10/09/2019	110	35.8
11/09/2019	110	25.5
12/09/2019	110	23.7
13/09/2019	110	21.7
14/09/2019	110	39.7
15/09/2019	110	25.5
16/09/2019	110	23.6
17/09/2019	110	25.6
18/09/2019	110	34.8
19/09/2019	110	19.8
20/09/2019	110	33
21/09/2019	110	24.2
22/09/2019	110	18.4
23/09/2019	110	11.6
24/09/2019	110	23.4
25/09/2019	110	18.9
26/09/2019	110	19.4
27/09/2019	110	24.5
28/09/2019	110	12.5
29/09/2019	110	10.1
30/09/2019	110	14.8

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Table 2: Q3 2019 Depositional Dust Monitoring Data

Parameters	Site	CDG1			CDG2			CDG3			CDG4			CD5			CDG6		
	Period Ending	2/8/19	28/8/19	30/9/19	2/8/19	28/8/19	30/9/19	2/8/19	28/8/19	30/9/19	2/8/19	28/8/19	30/9/19	2/8/19	28/8/19	30/9/19	2/8/19	28/8/19	30/9/19
	Unit	35	26	33	35	26	33	35	26	33	35	26	33	35	26	33	35	26	33
EA120: Ash Content																			
Ash Content	g/m ² .month	0.3	0.4	0.8	0.4	0.4	1.2	0.6	0.6	1.9	0.8	0.3	1	0.2	0.3	1.3	0.3	0.2	1
Ash Content	mg	6	6	16	7	6	24	14	8	38	15	5	20	4	5	25	6	3	20
EA125: Combustible Matter																			
Combustible Matter	g/m ² .month	0.2	0.1	0.3	0.4	0.1	<0.1	0.5	0.1	1.2	0.4	<0.1	0.1	0.1	0.2	0.5	0.3	0.1	0.1
Combustible Matter	mg	5	2	6	8	1	<1	11	2	23	8	<1	2	2	2	10	6	1	1
EA130: Calculated Rainfall																			
Calculated Rainfall	mm	4	<1	24	3	<1	34	2	<1	21	3	<1	22	<1	<1	11	2	<1	15
EA130: Volume																			
Volume	mL	74	13	428	57	10	605	40	13	375	54	9	388	9	4	198	41	10	260
EA139: Total Soluble Matter																			
Total Soluble Matter	g/m ² .month	0.6	0.5	2	0.6	0.5	2.3	1.5	1.1	3.6	2	1	2.3	0.8	0.6	3.1	0.8	0.4	2
Total Soluble Matter	mg	12	7	40	11	7	45	30	17	70	37	15	45	16	10	60	16	7	38
EA141: Total Insoluble Matter																			
Total Insoluble Matter	g/m ² .month	0.5	0.5	1.1	0.8	0.5	1.2	1.2	0.7	3.1	1.2	0.3	1.1	0.3	0.5	1.8	0.6	0.3	1.1
Total Insoluble Matter	mg	11	8	22	15	7	24	25	10	61	23	5	22	6	7	35	12	4	21
EA142: Total Solids																			
Total Solids	g/m ² .month	1.1	1	3.1	1.4	1	3.5	2.7	1.8	6.7	3.2	1.3	3.4	1.1	1.1	4.9	1.4	0.7	3.1
Total Solids	mg	23	15	62	26	14	69	55	27	131	60	20	67	22	17	95	28	11	59
Total Insoluble matter	mg/(m ² /day)	14.29	19.23	33.33	22.86	19.23	36.36	34.29	26.92	93.94	34.29	11.54	33.33	8.57	19.23	54.55	17.14	11.54	33.33