

Quarterly Dust Monitoring  
Results  
Q2 2019



<b>Date of this Report</b>	17/07/2019
<b>Environmental Personnel Submitting Report</b>	Les Merton Environment and Community Superintendent Cameby Downs Mine Phone: (07) 4665 8621
<b>Relevant Environmental Authority Conditions</b>	EPML00900113 <i>Condition B2 (e); quarterly reporting of the measured dust deposition rates and PM<sub>10</sub> concentrations to be made available on a publicly available web site.</i>
<b>Period</b>	<b>Quarter 2 2019: 01/04/2019 – 30/06/2019</b>

**Table 1:** Quarter 2 2019: PM<sub>10</sub> concentrations

Start Date	Unit Id	PM <sub>10</sub> (µg/m <sup>3</sup> ): 24-hour Average
1/04/2019	110	44.1
2/04/2019	110	25.4
3/04/2019	110	7.5
4/04/2019	110	5.1
5/04/2019	110	6.8
6/04/2019	110	5.9
7/04/2019	110	4
8/04/2019	110	6.3
9/04/2019	110	10.8
10/04/2019	110	12.5
11/04/2019	110	22.7
12/04/2019	110	13.4
13/04/2019	110	8.4
14/04/2019	110	6.7
15/04/2019	110	6.8
16/04/2019	110	9.2
17/04/2019	110	14.3
18/04/2019	110	33.6
19/04/2019	110	6
20/04/2019	110	5.8
21/04/2019	110	6.8
22/04/2019	110	8.7
23/04/2019	110	7.4

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24/04/2019	110	6.8
25/04/2019	110	7.8
26/04/2019	110	11.5
27/04/2019	110	8.4
28/04/2019	110	10.3
29/04/2019	110	22.3
30/04/2019	110	19.7
1/05/2019	110	15.8
2/05/2019	110	5.8
3/05/2019	110	12.1
4/05/2019	110	5.9
5/05/2019	110	6.6
6/05/2019	110	3.7
7/05/2019	110	3.9
8/05/2019	110	4.9
9/05/2019	110	6.5
10/05/2019	110	8.9
11/05/2019	110	14.4
12/05/2019	110	13.5
13/05/2019	110	8.2
14/05/2019	110	9.2
15/05/2019	110	7.6
16/05/2019	110	6.3
17/05/2019	110	8.4
18/05/2019	110	9.7
19/05/2019	110	8.8
20/05/2019	110	4.2
21/05/2019	110	8.3
22/05/2019	110	4.9
23/05/2019	110	11
24/05/2019	110	18
25/05/2019	110	14.5
26/05/2019	110	11.3
27/05/2019	110	8.6
28/05/2019	110	9.2
29/05/2019	110	15.9
30/05/2019	110	13.7
31/05/2019	110	Insufficient valid data. Planned maintenance day.
1/06/2019	110	7.1
2/06/2019	110	8.5
3/06/2019	110	8.2
4/06/2019	110	4.1

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5/06/2019	110	11.1
6/06/2019	110	5.1
7/06/2019	110	6.8
8/06/2019	110	8.7
9/06/2019	110	6.6
10/06/2019	110	2
11/06/2019	110	4.1
12/06/2019	110	3.8
13/06/2019	110	8.8
14/06/2019	110	9.2
15/06/2019	110	9.1
16/06/2019	110	8
17/06/2019	110	10.6
18/06/2019	110	4.5
19/06/2019	110	6
20/06/2019	110	5.9
21/06/2019	110	6.7
22/06/2019	110	7.3
23/06/2019	110	8.6
24/06/2019	110	6.8
25/06/2019	110	7.1
26/06/2019	110	3.2
27/06/2019	110	4.3
28/06/2019	110	12.6
29/06/2019	110	6
30/06/2019	110	7

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**Table 2: Q2 2019 Depositional Dust Monitoring Data**

Parameters	Site	CDG1			CDG2			CDG3			CDG4			CD5			CDG6		
	Period Ending	29/4/19	31/5/19	28/6/19	29/4/19	31/5/19	28/6/19	29/4/19	31/5/19	28/6/19	29/4/19	31/5/19	28/6/19	29/4/19	31/5/19	28/6/19	29/4/19	31/5/19	28/6/19
	Unit	25	32	28	25	32	28	25	32	28	25	32	28	25	32	28	25	32	28
<b>EA120: Ash Content</b>																			
Ash Content	g/m <sup>2</sup> .month	0.2	0.4	0.5	0.2	0.3	0.6	0.6	1.2	1.2	0.3	0.3	0.5	0.6	0.4	0.6	0.1	0.2	0.7
Ash Content	mg	3	8	8	3	5	11	8	24	20	5	6	9	9	7	10	2	4	11
<b>EA125: Combustible Matter</b>																			
Combustible Matter	g/m <sup>2</sup> .month	0.2	0.2	<0.1	0.1	0.1	0.1	0.3	0.4	0.7	<0.1	<0.1	<0.1	0.2	0.2	0.2	0.3	<0.1	<0.1
Combustible Matter	mg	3	4	1	1	2	2	5	8	11	<1	<1	<1	3	5	3	4	<1	<1
<b>EA130: Calculated Rainfall</b>																			
Calculated Rainfall	mm		9	23		11	18		9	22		14	19		12	17		15	19
<b>EA130: Volume</b>																			
Volume	mL		157	402		199	328		163	382		253	332		204	299		270	335
<b>EA139: Total Soluble Matter</b>																			
Total Soluble Matter	g/m <sup>2</sup> .month	0.4	0.8	0.6	1.3	0.8	0.1	2.1	1.9	3.4	1.8	1.2	0.6	2.3	1.8	5	1.6	1.1	0.8
Total Soluble Matter	mg	6	15	10	20	15	2	30	36	57	26	23	12	34	34	83	23	20	14
<b>EA141: Total Insoluble Matter</b>																			
Total Insoluble Matter	g/m <sup>2</sup> .month	0.4	0.6	0.5	0.3	0.4	0.7	0.9	1.7	1.9	0.3	0.3	0.5	0.8	0.6	0.8	0.4	0.2	0.5
Total Insoluble Matter	mg	6	12	9	4	7	13	13	32	31	5	6	9	12	12	13	6	4	8
<b>EA142: Total Solids</b>																			
Total Solids	g/m <sup>2</sup> .month	0.8	1.4	1.1	1.6	1.2	0.8	3	3.6	5.3	2.1	1.5	1.1	3.1	2.4	5.8	2	1.3	1.3
Total Solids	mg	12	27	19	24	22	15	43	68	88	31	29	21	46	46	96	29	24	22
Total Insoluble matter	mg/(m <sup>2</sup> /day)	16.00	18.75	17.86	12.00	12.50	25.00	36.00	53.13	67.86	12.00	9.38	17.86	32.00	18.75	28.57	16.00	6.25	17.86