

Quarterly Dust Monitoring
Results

Q4 2019



Date of this Report	24/01/2020
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	01/10/2019 – 31/12/2019

Table 1: Quarter 4 2019: PM10 concentrations

StartDate	UnitId	PM10MC($\mu\text{g}/\text{m}^3$):24-hour Average
1/10/2019 0:00	110	14.9
2/10/2019 0:00	110	14.9
3/10/2019 0:00	110	6.6
4/10/2019 0:00	110	8.7
5/10/2019 0:00	110	11.1
6/10/2019 0:00	110	13.1
7/10/2019 0:00	110	16
8/10/2019 0:00	110	15.1
9/10/2019 0:00	110	31.5
10/10/2019 0:00	110	49

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11/10/2019 0:00	110	31.6
12/10/2019 0:00	110	24.3
13/10/2019 0:00	110	13.1
14/10/2019 0:00	110	12.8
15/10/2019 0:00	110	24.5
16/10/2019 0:00	110	26.4
17/10/2019 0:00	110	33.8
18/10/2019 0:00	110	22.6
19/10/2019 0:00	110	41.2
20/10/2019 0:00	110	21.7
21/10/2019 0:00	110	46
22/10/2019 0:00	110	22.7
23/10/2019 0:00	110	13.4
24/10/2019 0:00	110	10.4
25/10/2019 0:00	110	19.6
26/10/2019 0:00	110	15.3
27/10/2019 0:00	110	13.2
28/10/2019 0:00	110	29.9
29/10/2019 0:00	110	49.8

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30/10/2019 0:00	110	34.3
31/10/2019 0:00	110	28.5
1/11/2019 0:00	110	14.1
2/11/2019 0:00	110	9
3/11/2019 0:00	110	11
4/11/2019 0:00	110	11.5
5/11/2019 0:00	110	14.9
6/11/2019 0:00	110	64.2
7/11/2019 0:00	110	43
8/11/2019 0:00	110	11.7
9/11/2019 0:00	110	29.1
10/11/2019 0:00	110	72.9
11/11/2019 0:00	110	33.3
12/11/2019 0:00	110	15.9
13/11/2019 0:00	110	34.3
14/11/2019 0:00	110	53.1
15/11/2019 0:00	110	18.6
16/11/2019 0:00	110	36.9
17/11/2019 0:00	110	26.4

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18/11/2019 0:00	110	35.3
19/11/2019 0:00	110	41.7
20/11/2019 0:00	110	32.4
21/11/2019 0:00	110	34.2
22/11/2019 0:00	110	36
23/11/2019 0:00	110	23
24/11/2019 0:00	110	22.6
25/11/2019 0:00	110	22.2
26/11/2019 0:00	110	54.1
27/11/2019 0:00	110	41.7
28/11/2019 0:00	110	83.9
29/11/2019 0:00	110	111.4
30/11/2019 0:00	110	36.8
1/12/2019 0:00	110	67.3
2/12/2019 0:00	110	75.3
3/12/2019 0:00	110	108.3
4/12/2019 0:00	110	99.4
5/12/2019 0:00	110	29.7
6/12/2019 0:00	110	21.4

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7/12/2019 0:00	110	20.5
8/12/2019 0:00	110	30.8
9/12/2019 0:00	110	33.4
10/12/2019 0:00	110	34.6
11/12/2019 0:00	110	42.5
12/12/2019 0:00	110	43.5
13/12/2019 0:00	110	26.4
14/12/2019 0:00	110	34
15/12/2019 0:00	110	24.1
16/12/2019 0:00	110	27.5
17/12/2019 0:00	110	34.5
18/12/2019 0:00	110	61.5
19/12/2019 0:00	110	29
20/12/2019 0:00	110	44.3
21/12/2019 0:00	110	41.6
22/12/2019 0:00	110	35.4
23/12/2019 0:00	110	40.2
24/12/2019 0:00	110	25.1
25/12/2019 0:00	110	26

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26/12/2019 0:00	110	15.9
27/12/2019 0:00	110	9.1
28/12/2019 0:00	110	7.6
29/12/2019 0:00	110	8.5
30/12/2019 0:00	110	14.3
31/12/2019 0:00	110	23

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Table 2: Q4 2019 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	0.8	1.6	0.7	1.2	2.1	1.8	1.9	0.8	1	1	0.9	0.2	1.3	<0.1	0.4	1	0.9	0.4
Ash Content	mg	16	30	12	24	40	30	38	14	17	20	17	4	25	<1	7	20	17	8
EA125: Combustible Matter																			
Combustible Matter	g/m ² . month	0.3	0.3	<0.1	<0.1	0.4	0.4	1.2	0.2	0.6	0.1	0.1	0.2	0.5	2.3	0.4	0.1	0.4	<0.1
Combustible Matter	mg	6	5	<1	<1	8	7	23	4	10	2	2	2	10	44	6	1	8	1
EA130: Calculated Rainfall																			
Calculated Rainfall	mm	24	22		34	19		21	10		22	12		11	11		15	26	
EA130: Volume																			
Volume	mL	428	394		605	333		375	170		388	209		198	192		260	461	

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EA139: Total Soluble Matter																			
Total Soluble Matter	g/m ² . month	2	2.1	1.1	2.3	2.5	1.5	3.6	2	1.9	2.3	2.2	0.5	3.1	4.8	1.8	2	3	1.6
Total Soluble Matter	mg	40	39	18	45	48	25	70	37	31	45	41	9	60	91	30	38	57	27
EA141: Total Insoluble Matter																			
Total Insoluble Matter	g/m ² . month	1.1	1.9	0.7	1.2	2.5	2.3	3.1	1	1.6	1.1	1	0.4	1.8	2.3	0.8	1.1	1.3	0.5
Total Insoluble Matter	mg	22	36	12	24	48	38	61	18	27	22	19	6	35	44	13	21	25	9
EA142: Total Solids																			
Total Solids	g/m ² . month	3.1	4	1.8	3.5	5	3.8	6.7	3	3.5	3.4	3.2	0.9	4.9	7.1	2.6	3.1	4.3	2.1
Total Solids	mg	62	75	30	69	96	63	131	55	58	67	60	15	95	135	43	59	82	36
Total Insoluble matter	mg/(m ² /day)	36.6 7	63.3 3	23.3 3	40.0 0	83.3 3	76.6 7	103. 33	33.3 3	53.3 3	36.6 7	33.3 3	13.3 3	60.0 0	76.6 7	26.6 7	36.6 7	43.3 3	16.6 7