

Quarterly Dust Monitoring Results

Q1 2025



Date of this report	5/2/2025
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	1/1/2025 - 3/31/2025

Table 1: Quarter 1 2025 PM10 Concentrations

Date	PM10 24 hour Average ($\mu\text{g}/\text{m}^3$)
1/1/2025	3.6000
2/1/2025	6.0000
3/1/2025	6.9000
4/1/2025	9.9000
5/1/2025	9.0000
6/1/2025	8.3000
7/1/2025	7.0000
8/1/2025	8.0000
9/1/2025	8.0000
10/1/2025	8.3000
11/1/2025	5.0000
12/1/2025	4.1000
13/1/2025	3.0000
14/1/2025	4.4000
15/1/2025	7.3000
16/1/2025	6.2000
17/1/2025	15.0000
18/1/2025	9.9000
19/1/2025	6.5000

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Table 1: Quarter 1 2025 PM10 Concentrations

	PM10 24 hour Average ($\mu\text{g}/\text{m}^3$)
20/1/2025	7.7000
21/1/2025	9.8000
22/1/2025	16.3000
23/1/2025	13.4000
24/1/2025	9.5000
25/1/2025	25.4000
26/1/2025	14.3000
27/1/2025	9.7000
28/1/2025	9.4000
29/1/2025	14.8000
30/1/2025	7.6000
31/1/2025	9.4000
1/2/2025	8.3000
2/2/2025	8.8000
3/2/2025	9.8000
4/2/2025	6.7000
5/2/2025	8.5000
6/2/2025	9.5000
7/2/2025	5.5000
8/2/2025	8.2000
9/2/2025	8.2000
10/2/2025	6.0000
11/2/2025	4.5000
12/2/2025	7.3000
13/2/2025	8.0000
14/2/2025	9.8000
15/2/2025	9.3000

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Table 1: Quarter 1 2025 PM10 Concentrations

	PM10 24 hour Average ($\mu\text{g}/\text{m}^3$)
16/2/2025	7.1000
17/2/2025	7.8000
18/2/2025	8.6000
19/2/2025	16.5000
20/2/2025	12.0000
21/2/2025	9.2000
22/2/2025	9.4000
23/2/2025	9.0000
24/2/2025	7.3000
25/2/2025	7.5000
26/2/2025	7.3000
27/2/2025	9.8000
28/2/2025	8.8000
1/3/2025	9.3000
2/3/2025	9.9000
3/3/2025	10.7000
4/3/2025	14.1000
5/3/2025	6.4000
6/3/2025	6.5000
7/3/2025	6.0000
8/3/2025	3.0000
9/3/2025	4.2000
10/3/2025	1.7000
11/3/2025	5.6000
12/3/2025	7.2000
13/3/2025	6.6000
14/3/2025	7.0000

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Table 1: Quarter 1 2025 PM10 Concentrations

	PM10 24 hour Average ($\mu\text{g}/\text{m}^3$)
15/3/2025	5.7000
16/3/2025	5.0000
17/3/2025	7.5000
18/3/2025	9.1000
19/3/2025	14.4000
20/3/2025	9.0000
21/3/2025	6.0000
22/3/2025	4.0000
23/3/2025	9.5000
24/3/2025	7.4000
25/3/2025	3.1000
26/3/2025	6.2000
27/3/2025	5.8000
29/3/2025	7.2000
30/3/2025	3.9000
31/3/2025	3.5000

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Table 2: Quarter 1 2025 Depositional Dust Monitoring Data

	CDG1			CDG2			CDG3			CDG4			CDG5			CDG6		
	31-01-2025	28-02-2025	31-03-2025	31-01-2025	28-02-2025	31-03-2025	31-01-2025	28-02-2025	31-03-2025	31-01-2025	28-02-2025	31-03-2025	31-01-2025	28-02-2025	31-03-2025	31-01-2025	28-02-2025	31-03-2025
Depositional Dust																		
Ash Content - Monthly (g/m ² /month)	0.3	0.2	0.4	0.2	0.4	0.6	0.5	0.7	0.5	0.3	0.6	0.4	0.3	0.6	0.4	0.1	0.2	0.3
Ash Content (mg)	5	4	7	3	7	11	9	11	9	5	10	8	5	10	8	2	4	5
Combustible Matter (g/m ² /month)	0.2	<0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	<0.1	0.3	0.2	<0.1	0.2	0.2	<0.1	0.1
Combustible Matter (mg)	4	<2	2	4	3	4	3	2	2	3	<2	5	4	<2	3	4	<2	3
Calculated Rainfall (mm)	36	32	85	34	43	70	73	33	86	52	28	100	60	35	98	76	32	87
Volume	635	562	1500	606	758	1230	1280	576	1510	914	490	1770	1070	625	1730	1350	561	1530
Total Soluble Matter (g/m ² /month)	<0.1	0.1	0.5	<0.1	0.3	0.2	2.5	0.3	0.6	2.3	0.2	0.5	<0.1	0.5	0.4	0.6	0.6	0.3
Total Soluble Matter (mg)	<2	2	10	<2	6	4	45	4	12	41	3	9	<2	8	7	11	10	5
Total Insoluble Matter (g/m ² /month)	0.5	0.2	0.5	0.4	0.6	0.8	0.7	0.8	0.6	0.4	0.6	0.7	0.5	0.6	0.6	0.3	0.2	0.4
Total Insoluble Matter (mg)	9	4	9	7	10	15	12	13	11	8	10	13	9	10	11	6	4	8
Total Solids (g/m ² /month)	0.5	0.3	1.0	0.4	0.9	1.0	3.2	1.1	1.2	2.7	0.8	1.2	0.5	1.1	1.0	0.9	0.8	0.7
Total Solids (mg)	9	6	19	7	16	19	57	17	23	49	13	22	10	18	18	17	14	13
Others	16.7	6.7	16.7	13.3	20	26.7	23.3	26.7	20	13.3	20	23.3	16.7	20	20	10	6.7	13.3