

Quarterly Dust Monitoring Results

Q4 2024



Date of this report	12/02/2025
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	01/10/2024 - 31/12/2024

Table 1: Quarter 4 2024 PM10 Concentrations

Date	PM10 24 hour Average ($\mu\text{g}/\text{m}^3$)
01/10/2024	8.0000
02/10/2024	5.6000
03/10/2024	12.5000
04/10/2024	9.3000
05/10/2024	14.3000
06/10/2024	15.9000
07/10/2024	8.9000
08/10/2024	12.8000
09/10/2024	9.2000
10/10/2024	6.3000
11/10/2024	4.0000
12/10/2024	8.7000
13/10/2024	8.8000
14/10/2024	8.1000
15/10/2024	11.8000
16/10/2024	14.3000
17/10/2024	8.6000
18/10/2024	12.4000
19/10/2024	15.3000

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Table 1: Quarter 4 2024 PM10 Concentrations

	PM10 24 hour Average ($\mu\text{g}/\text{m}^3$)
20/10/2024	19.2000
21/10/2024	6.7000
22/10/2024	19.5000
23/10/2024	18.6000
24/10/2024	18.7000
25/10/2024	28.0000
26/10/2024	11.7000
27/10/2024	14.0000
28/10/2024	18.0000
29/10/2024	9.0000
30/10/2024	7.8000
31/10/2024	11.6000
01/11/2024	13.9000
02/11/2024	15.7000
03/11/2024	12.5000
04/11/2024	9.5000
05/11/2024	15.2000
06/11/2024	20.3000
07/11/2024	19.1000
08/11/2024	23.2000
09/11/2024	18.0000
10/11/2024	18.7000
11/11/2024	34.4000
12/11/2024	12.2000
13/11/2024	8.0000
14/11/2024	9.1000
15/11/2024	8.5000

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Table 1: Quarter 4 2024 PM10 Concentrations

	PM10 24 hour Average ($\mu\text{g}/\text{m}^3$)
16/11/2024	8.9000
17/11/2024	5.6000
18/11/2024	9.0000
19/11/2024	8.8000
20/11/2024	5.0000
21/11/2024	1.8000
22/11/2024	9.3000
23/11/2024	3.5000
24/11/2024	3.6000
25/11/2024	7.3000
26/11/2024	8.5000
27/11/2024	36.0000
28/11/2024	5.2000
29/11/2024	8.7000
30/11/2024	7.7000
01/12/2024	8.0000
02/12/2024	8.9000
03/12/2024	7.2000
04/12/2024	6.6000
05/12/2024	6.4000
06/12/2024	4.2000
07/12/2024	8.5000
08/12/2024	9.1000
09/12/2024	9.8000
10/12/2024	12.3000
11/12/2024	7.2000
12/12/2024	6.0000

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Table 1: Quarter 4 2024 PM10 Concentrations

	PM10 24 hour Average ($\mu\text{g}/\text{m}^3$)
13/12/2024	9.1000
14/12/2024	5.2000
15/12/2024	3.3000
16/12/2024	6.7000
17/12/2024	4.0000
18/12/2024	3.4000
19/12/2024	3.8000
20/12/2024	9.6000
21/12/2024	12.0000
22/12/2024	16.6000
23/12/2024	9.9000
24/12/2024	15.1000
25/12/2024	11.3000
26/12/2024	15.2000
27/12/2024	9.8000
28/12/2024	31.5000
29/12/2024	9.6000
30/12/2024	9.4000
31/12/2024	8.3000

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Table 2: Quarter 4 2024 Depositional Dust Monitoring Data

	CDG1			CDG2			CDG3			CDG4			CDG5			CDG6		
	01-11-2024	29-11-2024	31-12-2024	01-11-2024	29-11-2024	31-12-2024	01-11-2024	29-11-2024	31-12-2024	01-11-2024	29-11-2024	31-12-2024	01-11-2024	29-11-2024	31-12-2024	01-11-2024	29-11-2024	31-12-2024
Depositional Dust																		
Ash Content - Monthly (g/m ² /month)	0.4	0.2	0.3	0.3	<0.1	0.6	0.4	0.2	1.0	1.0	0.4	0.6	0.6	0.6	0.6	0.4	0.4	0.3
Ash Content (mg)	8	4	6	5	<2	11	7	4	19	18	6	12	11	10	11	8	6	5
Combustible Matter (g/m ² /month)	0.2	0.1	0.5	0.1	0.4	0.6	0.1	0.1	0.3	0.3	<0.1	0.5	0.1	0.1	0.5	0.1	0.1	0.1
Combustible Matter (mg)	3	<2	10	3	6	12	2	<2	6	7	<2	9	3	2	9	<2	2	2
Calculated Rainfall (mm)	44	80	107	57	94	119	49	102	82	40	133	112	57	130	55	51	125	92
Volume	771	1420	1890	1010	1650	2100	866	1810	1440	711	2340	1980	1000	2290	980	896	2210	1620
Total Soluble Matter (g/m ² /month)	0.4	0.8	2.0	0.6	0.7	2.9	<0.1	2.0	1.4	0.5	1.9	2.3	<0.1	1.5	0.6	0.2	2.2	1.1
Total Soluble Matter (mg)	8	13	38	11	11	54	<2	34	27	10	32	44	<2	25	12	3	35	21
Total Insoluble Matter (g/m ² /month)	0.6	0.3	0.8	0.4	0.4	1.2	0.5	0.3	1.3	1.3	0.4	1.1	0.7	0.7	1.1	0.5	0.5	0.4
Total Insoluble Matter (mg)	11	5	16	8	6	23	9	5	25	25	7	21	14	12	20	9	8	7
Total Solids (g/m ² /month)	1.0	1.1	2.8	1.0	1.1	4.1	0.5	2.3	2.7	1.8	2.3	3.4	0.7	2.2	1.7	0.7	2.7	1.5
Total Solids (mg)	19	18	54	19	17	77	9	39	52	35	39	65	14	37	32	12	43	28
Others	20	10	26.7	13.3	13.3	40	16.7	10	43.3	43.3	13.3	36.7	23.3	23.3	36.7	16.7	16.7	13.3