

**BTM Air Quality Management Strategy
Tarrawonga Coal Mine
Dust Monitoring**

Date	Flixton* PM ₁₀ 24hr Average [$\mu\text{g}/\text{m}^3$]	Operational Response
01/01/2021	5.4	No action required
02/01/2021	5.8(C)	No action required
03/01/2021	5.0	No Mining Activities
04/01/2021	7.2	No action required
05/01/2021	9.6	No action required
06/01/2021	9.7	No action required
07/01/2021	7.2	No action required
08/01/2021	8.5(C)	No action required
09/01/2021	8.2	No action required
10/01/2021	7.3	No Mining Activities
11/01/2021	13.7	No action required
12/01/2021	9.2(C)	No action required
13/01/2021	6.5(C)	No action required
14/01/2021	13.5	No action required
15/01/2021	9.7	No action required
16/01/2021	12.4(C)	No action required
17/01/2021	12.4(C)	No Mining Activities
18/01/2021	12.0	No action required
19/01/2021	10.5	No action required
20/01/2021	10.1	No action required
21/01/2021	14.0	No action required
22/01/2021	19.9	No action required
23/01/2021	16.7	No action required
24/01/2021	15.9	No Mining Activities
25/01/2021	26.3	No action required
26/01/2021	20.4	No action required
27/01/2021	29.4	No action required
28/01/2021	16.5	No action required
29/01/2021	17.9	No action required
30/01/2021	12.7	No action required
31/01/2021	18.0	No Mining Activities

(C) – Result calculated from incomplete data provided at least 75% of the data is successfully obtained.

S -- Servicing / calibration/ comms problem of unit- no data available

N/A – TEOM Power Outage due to high rainfall.

*Note *- Flixton monitor is utilized as an operation management unit in accordance with the approved BTM Air Quality Management Strategy therefore No Limits Apply.*

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Date	Flixton* PM ₁₀ 24hr Average [$\mu\text{g}/\text{m}^3$]	Operational Response
1/02/2021	20.6	No action required
2/02/2021	7.4	No action required
3/02/2021	14.4	No action required
4/02/2021	22.9	No action required
5/02/2021	15.8	No action required
6/02/2021	12.6	No action required
7/02/2021	9.1	No Mining Activities
8/02/2021	15.2	No action required
9/02/2021	14.2	No action required
10/02/2021	15.1	No action required
11/02/2021	10.7	No action required
12/02/2021	17.2 (C)	No action required
13/02/2021	11.4	No action required
14/02/2021	10.9	No Mining Activities
15/02/2021	15.3	No action required
16/02/2021	9.0	No action required
17/02/2021	9.5 (C)	No action required
18/02/2021	9.6	No action required
19/02/2021	9.7	No action required
20/02/2021	6.9	No action required
21/02/2021	8.1	No Mining Activities
22/02/2021	15.5	No action required
23/02/2021	23.1	No action required
24/02/2021	12.5	No action required
25/02/2021	5.4	No action required
26/02/2021	11.9	No action required
27/02/2021	7.1	No action required
28/02/2021	8.8 (C)	No Mining Activities

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Date	Flixton* PM ₁₀ 24hr Average [$\mu\text{g}/\text{m}^3$]	Operational Response
1/03/2021	14.4	No action required
2/03/2021	21.7	No action required
3/03/2021	20.1	No action required
4/03/2021	12.5	No action required
5/03/2021	17.2	No action required
6/03/2021	19.7	No action required
7/03/2021	17.1	No Mining Activities
8/03/2021	16.3	No action required
9/03/2021	8.9 (C)	No action required
10/03/2021	11.1	No action required
11/03/2021	11.0 (C)	No action required
12/03/2021	9.1 (C)	No action required
13/03/2021	10.4	No action required
14/03/2021	9	No Mining Activities
15/03/2021	6.4	No action required
16/03/2021	8.9	No action required
17/03/2021	5.6 (C)	No action required
18/03/2021	5.9	No action required
19/03/2021	6.3	No action required
20/03/2021	8.8	No action required
21/03/2021	7.8	No Mining Activities
22/03/2021	4.6	No action required
23/03/2021	9.6	No action required
24/03/2021	11.6	No action required
25/03/2021	16	No action required
26/03/2021	13.9	No action required
27/03/2021	14.1	No action required
28/03/2021	10.8	No Mining Activities
29/03/2021	17.4	No action required
30/03/2021	13.6	No action required
31/03/2021	12.7	No action required

(C) – Result calculated from incomplete data provided at least 75% of the data is successfully obtained.

S -- Servicing / calibration/ comms problem of unit- no data available

N/A – TEOM Power Outage due to high rainfall.

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Tarrawonga Coal Mine
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Date	Flixton* PM ₁₀ 24hr Average [$\mu\text{g}/\text{m}^3$]	Operational Response
1/04/2021	12.1	No action required
2/04/2021	12.2	No action required
3/04/2021	13.6	No action required
4/04/2021	9.0	No Mining Activities
5/04/2021	14.6	No action required
6/04/2021	17.1	No action required
7/04/2021	12.0	No action required
8/04/2021	11.0	No action required
9/04/2021	22.9	No action required
10/04/2021	26.8	No action required
11/04/2021	20.4	No Mining Activities
12/04/2021	16.4	No action required
13/04/2021	26.4	No action required
14/04/2021	29.4	No action required
15/04/2021	36.2	No action required
16/04/2021	27.2	No action required
17/04/2021	10.8	No action required
18/04/2021	4.4	No Mining Activities
19/04/2021	8.9	No action required
20/04/2021	17.7	No action required
21/04/2021	16.7	No action required
22/04/2021	15.3	No action required
23/04/2021	20.4	No action required
24/04/2021	22.9	No action required
25/04/2021	20.6	No Mining Activities
26/04/2021	30.7	No action required
27/04/2021	26.2	No action required
28/04/2021	58.3	No action required
29/04/2021	29.3	No action required
30/04/2021	25.6	No action required

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Date	Flixton* PM ₁₀ 24hr Average [$\mu\text{g}/\text{m}^3$]	Operational Response
1/05/2021	10.4	No action required
2/05/2021	12.9	No Mining Activities
3/05/2021	16.2	No action required
4/05/2021	11.9	No action required
5/05/2021	5.9	No action required
6/05/2021	7.7	No action required
7/05/2021	6.8	No action required
8/05/2021	10.4	No action required
9/05/2021	3.9 (C)	No Mining Activities
10/05/2021	8.43	No action required
11/05/2021	10.6 (C)	No action required
12/05/2021	11.6	No action required
13/05/2021	10.3	No action required
14/05/2021	11.3	No action required
15/05/2021	9.6	No action required
16/05/2021	9.8	No Mining Activities
17/05/2021	11.3	No action required
18/05/2021	11.8	No action required
19/05/2021	16.1 (C)	No action required
20/05/2021	14.8	No action required
21/05/2021	17.5	No action required
22/05/2021	14.2	No action required
23/05/2021	14.2	No Mining Activities
24/05/2021	15.7	No action required
25/05/2021	10.1	No action required
26/05/2021	16.0 (C)	No action required
27/05/2021	16.4	No action required
28/05/2021	13.2	No action required
29/05/2021	13.6	No action required
30/05/2021	9.7	No Mining Activities
31/05/2021	12.5	No action required

(C) – Result recalculated from one hour average due to incomplete data.

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Date	Flixton* PM ₁₀ 24hr Average [$\mu\text{g}/\text{m}^3$]	Operational Response
1/06/2021	17.1 (C)	No action required
2/06/2021	14.6 (C)	No action required
3/06/2021	8.7	No action required
4/06/2021	5.5	No action required
5/06/2021	5.5	No action required
6/06/2021	5.9 (C)	No Mining Activities
7/06/2021	10.2	No action required
8/06/2021	9.8	No action required
9/06/2021	5.2	No action required
10/06/2021	5.7	No action required
11/06/2021	4.7	No action required
12/06/2021	5.7	No action required
13/06/2021	5.4	No Mining Activities
14/06/2021	4.6	No action required
15/06/2021	5.7	No action required
16/06/2021	8.0	No action required
17/06/2021	12.4	No action required
18/06/2021	9.1	No action required
19/06/2021	5.5	No action required
20/06/2021	6.7	No Mining Activities
21/06/2021	6.8	No action required
22/06/2021	6.4	No action required
23/06/2021	6.8	No action required
24/06/2021	6.9	No action required
25/06/2021	6.5	No action required
26/06/2021	5.2	No action required
27/06/2021	4.8	No Mining Activities
28/06/2021	7.6	No action required
29/06/2021	8.0	No action required
30/06/2021	8.0	No action required

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Date	Flixton* PM ₁₀ 24hr Average [$\mu\text{g}/\text{m}^3$]	Operational Response
1/07/2021	6.2	No action required
2/07/2021	5.4	No action required
3/07/2021	4.8	No action required
4/07/2021	5.4 (C)	No Mining Activities
5/07/2021	NA	No action required
6/07/2021	NA	No action required
7/07/2021	NA	No action required
8/07/2021	9.0	No action required
9/07/2021	3.2	No action required
10/07/2021	5.6	No action required
11/07/2021	6.1	No Mining Activities
12/07/2021	7.0	No action required
13/07/2021	9.5	No action required
14/07/2021	13.3	No action required
15/07/2021	12.2	No action required
16/07/2021	14.9	No action required
17/07/2021	20.3	No action required
18/07/2021	9.2	No Mining Activities
19/07/2021	6.4	No action required
20/07/2021	11.6	No action required
21/07/2021	6.7	No action required
22/07/2021	9.6	No action required
23/07/2021	9.2	No action required
24/07/2021	5.9	No action required
25/07/2021	10.0	No Mining Activities
26/07/2021	9.9	No action required
27/07/2021	9.7	No action required
28/07/2021	19.9	No action required
29/07/2021	8.8	No action required
30/07/2021	7.6	No action required
31/07/2021	14.5	No action required

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Date	Flixton* PM ₁₀ 24hr Average [$\mu\text{g}/\text{m}^3$]	Operational Response
1/08/2021	22.0	No Mining Activities
2/08/2021	9.7	No action required
3/08/2021	8.7	No action required
4/08/2021	6.6	No action required
5/08/2021	10.4	No action required
6/08/2021	7.5	No action required
7/08/2021	9.1	No action required
8/08/2021	10.2	No Mining Activities
9/08/2021	11.2	No action required
10/08/2021	13.7	No action required
11/08/2021	16.3	No action required
12/08/2021	11.2 (C)	No action required
13/08/2021	7.5	No action required
14/08/2021	13.0	No action required
15/08/2021	14.1	No Mining Activities
16/08/2021	11.3	No action required
17/08/2021	11.4	No action required
18/08/2021	12.4	No action required
19/08/2021	21.0	No action required
20/08/2021	18.4	No action required
21/08/2021	17.8	No action required
22/08/2021	21.2	No Mining Activities
23/08/2021	10.2	No action required
24/08/2021	5.3	No action required
25/08/2021	8.2	No action required
26/08/2021	8.1	No action required
27/08/2021	5.2 (C)	No action required
28/08/2021	5.7	No action required
29/08/2021	12.5	No Mining Activities
30/08/2021	12.0	No action required
31/08/2021	13.0	No action required

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Tarrawonga Coal Mine
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Date	Flixton* PM ₁₀ 24hr Average [$\mu\text{g}/\text{m}^3$]	Operational Response
1/09/2021	21.2	No action required
2/09/2021	18.8	No action required
3/09/2021	10.5	No action required
4/09/2021	15.9	No action required
5/09/2021	7.86	No Mining Activities
6/09/2021	6.63	No action required
7/09/2021	12.1	No action required
8/09/2021	16	No action required
9/09/2021	19.7	No action required
10/09/2021	12.1	No action required
11/09/2021	17.2	No action required
12/09/2021	31.2	No Mining Activities
13/09/2021	16.5	No action required
14/09/2021	6.8 (C)	No action required
15/09/2021	9.1 (C)	No action required
16/09/2021	13.1	No action required
17/09/2021	21.6	No action required
18/09/2021	25.5	No action required
19/09/2021	8.55	No Mining Activities
20/09/2021	16.2	No action required
21/09/2021	10.9	No action required
22/09/2021	12	No action required
23/09/2021	21.7	No action required
24/09/2021	25.0	No action required
25/09/2021	23.8	No action required
26/09/2021	18.0	No Mining Activities
27/09/2021	9.98	No action required
28/09/2021	13.2	No action required
29/09/2021	7.85	No action required
30/09/2021	13.3 (C)	No action required

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Date	Flixton* PM ₁₀ 24hr Average [$\mu\text{g}/\text{m}^3$]	Operational Response
1/10/2021	13.7	No action required
2/10/2021	9.4	No action required
3/10/2021	10.7	No Mining Activities
4/10/2021	12.5	No action required
5/10/2021	21.1	No action required
6/10/2021	16.1	No action required
7/10/2021	25.9	No action required
8/10/2021	23.8	No action required
9/10/2021	19.8	No action required
10/10/2021	29.9	No Mining Activities
11/10/2021	4.7	No action required
12/10/2021	6.5	No action required
13/10/2021	9.7	No action required
14/10/2021	13.6	No action required
15/10/2021	29.7	No action required
16/10/2021	6.6	No action required
17/10/2021	8.8	No Mining Activities
18/10/2021	13.9	No action required
19/10/2021	15.3	No action required
20/10/2021	12.8	No action required
21/10/2021	15.6	No action required
22/10/2021	15.2	No action required
23/10/2021	25.1	No action required
24/10/2021	11.9	No Mining Activities
25/10/2021	13.8	No action required
26/10/2021	29.5	No action required
27/10/2021	25.8	No action required
28/10/2021	33.4	No action required
29/10/2021	20.5	No action required
30/10/2021	11.1	No action required
31/10/2021	17.8+	No Mining Activities

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Date	Flixton* PM ₁₀ 24hr Average [$\mu\text{g}/\text{m}^3$]	Operational Response
1/11/2021	16.5	No action required
2/11/2021	14.8	No action required
3/11/2021	N/A	No action required
4/11/2021	21.0 (C)	No action required
5/11/2021	6.3	No action required
6/11/2021	16.2	No action required
7/11/2021	12.9	No Mining Activities
8/11/2021	8	No action required
9/11/2021	13.6	No action required
10/11/2021	13.6	No action required
11/11/2021	13.3	No action required
12/11/2021	42.1	No action required
13/11/2021	8.4	No action required
14/11/2021	8.6	No Mining Activities
15/11/2021	14.4	No action required
16/11/2021	13.6	No action required
17/11/2021	13.5	No action required
18/11/2021	30.8 (C)	No action required
19/11/2021	29.3 (C)	No action required
20/11/2021	23.2	No action required
21/11/2021	4.6	No Mining Activities
22/11/2021	4.8	No action required
23/11/2021	6.3	No Mining Activities
24/11/2021	6.9	No Mining Activities
25/11/2021	9.0	No Mining Activities
26/11/2021	6.9	No Mining Activities
27/11/2021	7.1	No Mining Activities
28/11/2021	5.5	No Mining Activities
29/11/2021	6.5 (C)	No Mining Activities
30/11/2021	10.1	No Mining Activities

(C) – Result recalculated from one hour average due to incomplete data.

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Date	Flixton* PM ₁₀ 24hr Average [$\mu\text{g}/\text{m}^3$]	Operational Response
1/12/2021	7.2	No Mining Activities
2/12/2021	7.2	No Mining Activities
3/12/2021	19.8	No Mining Activities
4/12/2021	36.5	No Mining Activities
5/12/2021	12.6	No Mining Activities
6/12/2021	12.7	No action required
7/12/2021	12.8	No action required
8/12/2021	10.1	No action required
9/12/2021	10.8	No action required
10/12/2021	11.4	No action required
11/12/2021	7.4	No action required
12/12/2021	10.5	No Mining Activities
13/12/2021	12.6	No action required
14/12/2021	18.3	No action required
15/12/2021	22.8	No action required
16/12/2021	34.5	No action required
17/12/2021	38.3	No action required
18/12/2021	32	No action required
19/12/2021	34	No Mining Activities
20/12/2021	36.5	No action required
21/12/2021	16.5 (C)	No action required
22/12/2021	7.3 (C)	No action required
23/12/2021	9.9	No action required
24/12/2021	8.8	No Mining Activities
25/12/2021	8.8	No Mining Activities
26/12/2021	10.5	No Mining Activities
27/12/2021	8.4	No Mining Activities
28/12/2021	6.5	No Mining Activities
29/12/2021	9.1	No action required
30/12/2021	10.2	No action required
31/12/2021	8.2	No action required

(C) – Result recalculated from one hour average due to incomplete data.

S -- Servicing / calibration/ comms problem of unit- no data available

N/A – TEOM Power Outage due to high rainfall.

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Note 2: Data from the 1st to the 20th of December 2021 was downloaded from the TEOM after repairs to communications were completed.