

TARRAWONGA COAL MINE Dust Monitoring

Date	Flixton* PM ₁₀ 24hr Average [$\mu\text{g}/\text{m}^3$]	Operational Response
1/01/2020	65.7	Actioned and Monitored operation according to Management Plan
2/01/2020	88.5	Actioned and Monitored operation according to Management Plan
3/01/2020	34.7	No action required
4/01/2020	117.2	Actioned and Monitored operation according to Management Plan
5/01/2020	98.8	No Mining Activity
6/01/2020	114.9	Actioned and Monitored operation according to Management Plan
7/01/2020	57.4	Actioned and Monitored operation according to Management Plan
8/01/2020	50.3	Actioned and Monitored operation according to Management Plan
9/01/2020	83.8	Actioned and Monitored operation according to Management Plan
10/01/2020	47.1	Actioned and Monitored operation according to Management Plan
11/01/2020	87.2	Actioned and Monitored operation according to Management Plan
12/01/2020	46.7	No Mining Activity
13/01/2020	30.3	No action required
14/01/2020	39.8	No action required
15/01/2020	37.7	No action required
16/01/2020	11.5	No action required
17/01/2020	9.7	No action required
18/01/2020	5.1	No action required
19/01/2020	6.4	No Mining Activity
20/01/2020	128.1	Actioned and Monitored operation according to Management Plan
21/01/2020	66.7	Actioned and Monitored operation according to Management Plan
22/01/2020	S	Maintenance occurred - No action required
23/01/2020	44.7(C)	Actioned and Monitored operation according to Management Plan
24/01/2020	13.5	No action required
25/01/2020	21.2	No action required
26/01/2020	43.8	No Mining Activity
27/01/2020	10.1	No action required
28/01/2020	21.3	No action required
29/01/2020	30.4	No action required
30/01/2020	30.7	No action required
31/01/2020	30.6	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

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

TARRAWONGA COAL MINE Dust Monitoring

Date	Flixton* PM ₁₀ 24hr Average [$\mu\text{g}/\text{m}^3$]	Operational Response
1/02/2020	28.5	No action required
2/02/2020	43.3	No Mining Activity
3/02/2020	68.5	Actioned According to Management Plan
4/02/2020	30.1	No action required
5/02/2020	17.2	No action required
6/02/2020	6.7	No action required
7/02/2020	N/A	No action required
8/02/2020	N/A	No action required
9/02/2020	N/A	No Mining Activity
10/02/2020	N/A	No action required
11/02/2020	N/A	No action required
12/02/2020	N/A	No action required
13/02/2020	3.9	No action required
14/02/2020	12.1	No action required
15/02/2020	18	No action required
16/02/2020	11.9	No Mining Activity
17/02/2020	9.4	No action required
18/02/2020	13.5	No action required
19/02/2020	101.2	Actioned According to Management Plan
20/02/2020	28.1	No action required
21/02/2020	S	No action required
22/02/2020	12.9	No action required
23/02/2020	11.9	No Mining Activity
24/02/2020	10.2	No action required
25/02/2020	21.9	No action required
26/02/2020	27.7	No action required
27/02/2020	12.7	No action required
28/02/2020	25.8	No action required
29/02/2020	23.4	No action required

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

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

Date	Flixton* PM ₁₀ 24hr Average [$\mu\text{g}/\text{m}^3$]	Operational Response
1/03/2020	27.5	No Mining Activity
2/03/2020	36.0	No action required
3/03/2020	32.7	No action required
4/03/2020	24.7	No action required
5/03/2020	12.6	No action required
6/03/2020	5.6	No action required
7/03/2020	8.2	No action required
8/03/2020	9.0	No Mining Activity
9/03/2020	5.2	No action required
10/03/2020	5.0	No action required
11/03/2020	6.5	No action required
12/03/2020	8.8	No action required
13/03/2020	10.2	No action required
14/03/2020	15.3	No action required
15/03/2020	8.7	No Mining Activity
16/03/2020	13.8	No action required
17/03/2020	12.5	No action required
18/03/2020	8.9	No action required
19/03/2020	25.9	No action required
20/03/2020	18.3(C)	No action required
21/03/2020	24.1	No action required
22/03/2020	23.6	No Mining Activity
23/03/2020	24.9	No action required
24/03/2020	12.3	No action required
25/03/2020	30.0	No action required
26/03/2020	5.3	No action required
27/03/2020	7.4	No action required
28/03/2020	11.1	No action required
29/03/2020	7.2	No Mining Activity
30/03/2020	8.9	No action required
31/03/2020	6.8	No action required

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

Date	Flixton* PM ₁₀ 24hr Average [$\mu\text{g}/\text{m}^3$]	Operational Response
1/04/2020	13.6	No action required
2/04/2020	13.5	No action required
3/04/2020	8.5	No action required
4/04/2020	20.8	No action required
5/04/2020	21.6	No Mining Activity
6/04/2020	15.1	No action required
7/04/2020	15.9	No action required
8/04/2020	9.5(C)	No action required
9/04/2020	10.8	No action required
10/04/2020	6.4	No action required
11/04/2020	13.5	No action required
12/04/2020	38.1	No Mining Activity
13/04/2020	17.3	No action required
14/04/2020	21.7	No action required
15/04/2020	20.5	No action required
16/04/2020	19.5	No action required
17/04/2020	20.2	No action required
18/04/2020	13.1	No action required
19/04/2020	13.7	No Mining Activity
20/04/2020	14.8	No action required
21/04/2020	21	No action required
22/04/2020	16.9	No action required
23/04/2020	18.4	No action required
24/04/2020	21	No action required
25/04/2020	24.5	No action required
26/04/2020	26.3	No Mining Activity
27/04/2020	35.6	No action required
28/04/2020	17.9	No action required
29/04/2020	11.9	No action required
30/04/2020	12.7	No action required

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Tarrawonga Coal Mine
Dust Monitoring**

Date	Flixton* PM ₁₀ 24hr Average [$\mu\text{g}/\text{m}^3$]	Operational Response
1/05/2020	5.2	No action required
2/05/2020	11.0	No action required
3/05/2020	4.4	No Mining Activity
4/05/2020	8.7	No action required
5/05/2020	11.9	No action required
6/05/2020	16.6	No action required
7/05/2020	13.2	No action required
8/05/2020	18.0	No action required
9/05/2020	17.4	No action required
10/05/2020	13.1	No Mining Activity
11/05/2020	10.5	No action required
12/05/2020	9.4	No action required
13/05/2020	19.7	No action required
14/05/2020	15.0	No action required
15/05/2020	17.0	No action required
16/05/2020	10.8	No action required
17/05/2020	9.3	No Mining Activity
18/05/2020	16.3	No action required
19/05/2020	7.1	No action required
20/05/2020	18.7	No action required
21/05/2020	3.8	No action required
22/05/2020	6.4	No action required
23/05/2020	10.0	No action required
24/05/2020	10.2	No Mining Activity
25/05/2020	7.0	No action required
26/05/2020	7.1	No action required
27/05/2020	6.7	No action required
28/05/2020	9.2	No action required
29/05/2020	10.8	No action required
30/05/2020	8.3	No action required
31/05/2020	14.2	No Mining Activity

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

Date	Flixton* PM ₁₀ 24hr Average [$\mu\text{g}/\text{m}^3$]	Operational Response
1/06/2020	16.7	No action required
2/06/2020	8.5	No action required
3/06/2020	7.0	No action required
4/06/2020	12.0	No action required
5/06/2020	8.8	No action required
6/06/2020	11.9	No action required
7/06/2020	14.3	No Mining Activity
8/06/2020	12.7	No action required
9/06/2020	12.0	No action required
10/06/2020	9.4	No action required
11/06/2020	4.8	No action required
12/06/2020	11.2	No action required
13/06/2020	10.5	No action required
14/06/2020	6.8	No Mining Activity
15/06/2020	4.1	No action required
16/06/2020	7.1	No action required
17/06/2020	7.2	No action required
18/06/2020	8.0	No action required
19/06/2020	4.2	No action required
20/06/2020	8.7	No action required
21/06/2020	6.4	No Mining Activity
22/06/2020	6.0	No action required
23/06/2020	8.0	No action required
24/06/2020	2.6	No action required
25/06/2020	4.6	No action required
26/06/2020	3.9	No action required
27/06/2020	7.1	No action required
28/06/2020	9.4	No Mining Activity
29/06/2020	8.6	No action required
30/06/2020	9.8	No action required

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

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

Date	Flixton* PM ₁₀ 24hr Average [$\mu\text{g}/\text{m}^3$]	Operational Response
1/07/2020	14.1	No action required
2/07/2020	16.7	No action required
3/07/2020	11.4	No action required
4/07/2020	8.5	No action required
5/07/2020	5.9	No Mining Activity
6/07/2020	6.2	No action required
7/07/2020	11.8	No action required
8/07/2020	11.7	No action required
9/07/2020	13.4	No action required
10/07/2020	8.8	No action required
11/07/2020	6.9	No action required
12/07/2020	8.4	No Mining Activity
13/07/2020	4.6	No action required
14/07/2020	7.3	No action required
15/07/2020	5.3	No action required
16/07/2020	6.3	No action required
17/07/2020	7.9	No action required
18/07/2020	5.1	No action required
19/07/2020	13.2	No Mining Activity
20/07/2020	8.5	No action required
21/07/2020	9.2	No action required
22/07/2020	19.2	No action required
23/07/2020	16.3	No action required
24/07/2020	15.0	No action required
25/07/2020	4.4	No action required
26/07/2020	3.7	No Mining Activity
27/07/2020	6.1	No action required
28/07/2020	7.1	No action required
29/07/2020	5.3	No action required
30/07/2020	7.4	No action required
31/07/2020	9.9	No action required

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

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Tarrawonga Coal Mine
Dust Monitoring**

Date	Flixton* PM ₁₀ 24hr Average [$\mu\text{g}/\text{m}^3$]	Operational Response
1/08/2020	8.7	No action required
2/08/2020	9.0	No Mining Activity
3/08/2020	11.5	No action required
4/08/2020	16.1	No action required
5/08/2020	7.7	No action required
6/08/2020	12.5	No action required
7/08/2020	11.0	No action required
8/08/2020	4.6	No action required
9/08/2020	3.2	No Mining Activity
10/08/2020	6.9	No action required
11/08/2020	5.7	No action required
12/08/2020	10.4 (C)	No action required
13/08/2020	13.2	No action required
14/08/2020	7.4	No action required
15/08/2020	5.3	No action required
16/08/2020	4.9	No Mining Activity
17/08/2020	8.9	No action required
18/08/2020	6.0	No action required
19/08/2020	30.0	No action required
20/08/2020	156.2*	Actioned According to Management Plans – High winds up to 7.7m/s – Continue Monitoring
21/08/2020	16.2	No action required
22/08/2020	13.4	No action required
23/08/2020	9.3	No Mining Activity
24/08/2020	8.5	No action required
25/08/2020	8.4	No action required
26/08/2020	13.7	No action required
27/08/2020	22.4	No action required
28/08/2020	10.6	No action required
29/08/2020	14.7	No action required
30/08/2020	22.0	No Mining Activity
31/08/2020	17.9	No action required

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Tarrawonga Coal Mine
Dust Monitoring**

Date	Flixton* PM ₁₀ 24hr Average [$\mu\text{g}/\text{m}^3$]	Operational Response
1/09/2020	16.4	No action required
2/09/2020	29.7	No action required
3/09/2020	28.1	No action required
4/09/2020	28.3	No action required
5/09/2020	14.0	No action required
6/09/2020	15.5	No Mining Activities
7/09/2020	15.0	No action required
8/09/2020	14.2	No action required
9/09/2020	23.4	No action required
10/09/2020	3.9	No action required
11/09/2020	7.4	No action required
12/09/2020	6.5	No action required
13/09/2020	9.5	No Mining Activities
14/09/2020	13.8	No action required
15/09/2020	13.6	No action required
16/09/2020	16.4	No action required
17/09/2020	16.5	No action required
18/09/2020	17.9	No action required
19/09/2020	12.0	No action required
20/09/2020	9.2	No Mining Activities
21/09/2020	17.2	No action required
22/09/2020	19.9	No action required
23/09/2020	19.8	No action required
24/09/2020	15.2	No action required
25/09/2020	41.4	No action required
26/09/2020	8.8	No action required
27/09/2020	7.8	No Mining Activities
28/09/2020	12.3	No action required
29/09/2020	16.3	No action required
30/09/2020	13.6	No action required

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Tarrawonga Coal Mine
Dust Monitoring**

Date	Flixton* PM ₁₀ 24hr Average [$\mu\text{g}/\text{m}^3$]	Operational Response
1/10/2020	10.7	No action required
2/10/2020	10.5	No action required
3/10/2020	20.4	No action required
4/10/2020	16.8	No Mining Activities
5/10/2020	17.7	No action required
6/10/2020	20.8	No action required
7/10/2020	24.7	No action required
8/10/2020	28.6	No action required
9/10/2020	10.7	No action required
10/10/2020	10.3	No action required
11/10/2020	11.2	No Mining Activities
12/10/2020	17.8	No action required
13/10/2020	9.6	No action required
14/10/2020	14.0	No action required
15/10/2020	18.0	No action required
16/10/2020	19.8	No action required
17/10/2020	25.9	No action required
18/10/2020	12.7	No Mining Activities
19/10/2020	11.4	No action required
20/10/2020	8.7	No action required
21/10/2020	15.8	No action required
22/10/2020	S	Power outage at monitor due to rain
23/10/2020	12.6	No action required
24/10/2020	7.7	No action required
25/10/2020	13.9	No Mining Activities
26/10/2020	9.9	No action required
27/10/2020	10.0	No action required
28/10/2020	7.9	No action required
29/10/2020	11.0	No action required
30/10/2020	16.2	No action required
31/10/2020	45.0	No action required

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Tarrawonga Coal Mine
Dust Monitoring**

Date	Flixton* PM ₁₀ 24hr Average [$\mu\text{g}/\text{m}^3$]	Operational Response
01/11/2020	13.3	No Mining Activities
02/11/2020	12.2	No action required
03/11/2020	13.7	No action required
04/11/2020	26.2	No action required
05/11/2020	30.2	No action required
06/11/2020	12.8	No action required
07/11/2020	19	No action required
08/11/2020	17.1	No Mining Activities
09/11/2020	20.4	No action required
10/11/2020	36.6	No action required
11/11/2020	27.5	No action required
12/11/2020	S	Power outage at monitor
13/11/2020	25.8	No action required
14/11/2020	16.5 (C)	No action required
15/11/2020	17.1	No Mining Activities
16/11/2020	34.9	No action required
17/11/2020	28.1	No action required
18/11/2020	19.0	No action required
19/11/2020	25.6	No action required
20/11/2020	36.3	No action required
21/11/2020	22.9	No action required
22/11/2020	21.8	No Mining Activities
23/11/2020	41.1	No action required
24/11/2020	11.6	No action required
25/11/2020	15.3 (C)	No action required
26/11/2020	21.7	No action required
27/11/2020	16.9	No action required
28/11/2020	21.1	No action required
29/11/2020	43.0	No Mining Activities
30/11/2020	30.8 (C)	No action required

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Dust Monitoring**

Date	Flixton* PM ₁₀ 24hr Average [$\mu\text{g}/\text{m}^3$]	Operational Response
1/12/2020	39.1	No action required
2/12/2020	48.8	No action required
3/12/2020	N/A	No action required
4/12/2020	N/A	No action required
5/12/2020	13.8	No action required
6/12/2020	19.6	No Mining Activities
7/12/2020	23.2	No action required
8/12/2020	10.5	No action required
9/12/2020	17.1	No action required
10/12/2020	32.9	No action required
11/12/2020	10.7	No action required
12/12/2020	10.6	No action required
13/12/2020	8.9	No Mining Activities
14/12/2020	7.0	No action required
15/12/2020	9.7	No action required
16/12/2020	8.7	No action required
17/12/2020	7.4	No action required
18/12/2020	12.4 (C)	No action required
19/12/2020	10.5	No action required
20/12/2020	11.5 (C)	No Mining Activities
21/12/2020	8.3	No action required
22/12/2020	4.4 (C)	No action required
23/12/2020	7.2	No action required
24/12/2020	13.3	No action required
25/12/2020	9.9 (C)	No Mining Activities
26/12/2020	9.0 (C)	No Mining Activities
27/12/2020	14.1 (C)	No Mining Activities
28/12/2020	9.0 (C)	No Mining Activities
29/12/2020	7.3 (C)	No action required
30/12/2020	N/A	No action required
31/12/2020	6.7	No action required

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