

## TARRAWONGA COAL MINE – MONTHLY MONITORING SUMMARY

### Site Information

**EPL No:** 12365

**EPA Website Link:** <http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=55113&SYSUID=1&LICID=12365>

**Licensee:** Tarrawonga Coal Pty Ltd

**Licensee Address:** Tarrawonga Coal Mine, 469 Goonbri Road, BOGGABRI NSW 2382

**EPL Monitoring Points:** See Figure 1 below

**Sampling Period:** January 2023

**Obtained Date:** 3/02/2023

**Publication Date:** 13/02/2023

**Table 1 - No Pollutant Limits Apply**

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date of Max. Value Obtained	Min Value	Mean Value	Median Value	Max or Only Value	Comments
5	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	
6	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	

Table 2 - Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date of Max. Value Obtained	Min Value	Max or Only Value	100%ile Limit	Exceed-ance (Yes/ No)	Comment/s
1	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	
2	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	
3	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	
26	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date of Max. Value Obtained	Min Value	Max or Only Value	100%ile Limit	Exceed-ance (Yes/ No)	Comment/s
	pH	pH		-	-	-	-	-	-	-	
27	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	

**Table 3 – Monitoring (Quarterly & 6 Monthly – No Limits apply)**

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Period	Date Sampled	Date of Max. Value Obtained	Min Value	Mean Value	Median Value	Max or Only Value
9	Conductivity	µS/cm	6 monthly – (Mar- Sep)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	
	Standing Water Level	metres		-	-	-	-	-	-	
10	Conductivity	µS/cm	6 monthly – (Mar- Sep)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	
	Standing Water Level	metres		-	-	-	-	-	-	
12	Conductivity	µS/cm	6 monthly – (Mar- Sep)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	
	Standing Water Level	metres		-	-	-	-	-	-	
13	Conductivity	µS/cm	Quarterly - (Feb, May, Aug, Nov)	-	-	-	-	-	-	-
	Oil & Grease	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	TSS	mg/L		-	-	-	-	-	-	-

**Table 4 – Quarterly Attended Noise Monitoring**

(Noise Limits Apply -35dB LAeq(15min) -Day, Evening and Night;45dB LA1(1min) -Night)

*No Noise Monitoring data reported for January*

**Table 5 – Monthly Monitoring (Blasts – Limits Apply)**

November	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date Obtained
Coomalgah	Blast Noise	dB (Lin Peak)	Every Blast	7	95.24	105.5	120	Nil	06/01/23
	Blast Vibration	mm/s	Every Blast	7	0.15	0.68	10	Nil	06/01/23

**Table 6- Monthly Monitoring (Dust PM10 – No Limits apply)**

Location	No. of samples required by licence	Lowest sample value	Mean of sample	Highest sample value
28 "Flixton" property* TEOM ( $\mu\text{g}/\text{m}^3$ )	Continuous	0.21	18.7	345

*\*Mine owned property – no limit apply*

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**Licensee:** Tarrawonga Coal Pty Ltd

**Licensee Address:** Tarrawonga Coal Mine, 469 Goonbri Road, BOGGABRI NSW 2382

**EPL Monitoring Points:** See Figure 1 below

**Sampling Period:** February 2023

**Obtained Date:** 6/03/2023

**Publication Date:** 23/03/2023

**Table 1 - No Pollutant Limits Apply**

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date of Max. Value Obtained	Min Value	Mean Value	Median Value	Max or Only Value	Comments
5	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	
6	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	

Table 2 - Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date of Max. Value Obtained	Min Value	Max or Only Value	100%ile Limit	Exceed-ance (Yes/No)	Comment/s
1	TSS	mg/L	Upon discharge	2	01/02, 08/03	01/02	18	24	50	No	-
	Conductivity	µS/cm		2	01/02, 08/03	08/03	208	249	NA	NA	
	Oil & Grease	mg/L		2	01/02, 08/03	-	<5	<5	10	No	
	pH	pH		2	01/02, 08/03	08/03	6.33	7.42	6.5 – 8.5	No	
2	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	
3	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	
26	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	



EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date of Max. Value Obtained	Min Value	Max or Only Value	100%ile Limit	Exceed-ance (Yes/ No)	Comment/s
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	
27	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	

**Table 3 – Monitoring (Quarterly & 6 Monthly – No Limits apply)**

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Period	Date Sampled	Date of Max. Value Obtained	Min Value	Mean Value	Median Value	Max or Only Value
9	Conductivity	µS/cm	6 monthly – (Mar- Sep)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	
	Standing Water Level	metres		-	-	-	-	-	-	
10	Conductivity	µS/cm	6 monthly – (Mar- Sep)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	
	Standing Water Level	metres		-	-	-	-	-	-	
12	Conductivity	µS/cm	6 monthly – (Mar- Sep)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	
	Standing Water Level	metres		-	-	-	-	-	-	
13	Conductivity	µS/cm	Quarterly - (Feb, May, Aug, Nov)	1	14/02	14/02	-	-	-	2900
	Oil & Grease	mg/L		1	14/02	14/02	-	-	-	<5
	pH	pH		1	14/02	14/02	-	-	-	8.63
	TSS	mg/L		1	14/02	14/02	-	-	-	22

**Table 4 – Quarterly Attended Noise Monitoring**

(Noise Limits Apply -35dB LAeq(15min) -Day, Evening and Night;45dB LA1(1min) -Night)

*No Noise Monitoring data reported for February*

**Table 5 – Monthly Monitoring (Blasts – Limits Apply)**

November	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date Obtained
Coomalgah	Blast Noise	dB (Lin Peak)	Every Blast	6	100.4	112.70	120	Nil	23-02-23
	Blast Vibration	mm/s	Every Blast	6	0.23	0.56	10	Nil	10-03-23

**Table 6- Monthly Monitoring (Dust PM10 – No Limits apply)**

Location	No. of samples required by licence	Lowest sample value	Mean of sample	Highest sample value
28 "Flixton" property* TEOM ( $\mu\text{g}/\text{m}^3$ )	Continuous	0.9	18.6	258.1

*\*Mine owned property – no limit apply*

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**EPA Website Link:** <http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=55113&SYSUID=1&LICID=12365>

**Licensee:** Tarrawonga Coal Pty Ltd

**Licensee Address:** Tarrawonga Coal Mine, 469 Goonbri Road, BOGGABRI NSW 2382

**EPL Monitoring Points:** See Figure 1 below

**Sampling Period:** March 2023

**Obtained Date:** 11/04/2023

**Publication Date:** 18/04/2023

**Table 1 - No Pollutant Limits Apply**

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date of Max. Value Obtained	Min Value	Mean Value	Median Value	Max or Only Value	Comments
5	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	
6	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	

**Table 2 - Pollutant Limits Apply**

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date of Max. Value Obtained	Min Value	Max or Only Value	100%ile Limit	Exceed-ance (Yes/ No)	Comment/s
1	TSS	mg/L	Upon discharge	1	14/03	-	-	57	50	Yes	Sample taken after approx. 66mm of rain, therefore limit for TSS does not apply
	Conductivity	µS/cm		1	14/03	-	-	476	NA	NA	
	Oil & Grease	mg/L		1	14/03	-	-	<5	10	No	
	pH	pH		1	14/03	-	-	7.97	6.5 – 8.5	No	
2	TSS	mg/L	Upon discharge	2	25/03, 29/03	25/03	144	197	50	Yes	Sample taken after approx. 38.6mm of rain, therefore limit for TSS does not apply
	Conductivity	µS/cm		2	25/03, 29/03	25/03	334	422	NA	NA	
	Oil & Grease	mg/L		2	25/03, 29/03	-	<5	<5	10	No	
	pH	pH		2	25/03, 29/03	25/03	7.27	7.54	6.5 – 8.5	No	
3	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	
26	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date of Max. Value Obtained	Min Value	Max or Only Value	100%ile Limit	Exceed-ance (Yes/ No)	Comment/s
27	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	

**Table 3 – Monitoring (Quarterly & 6 Monthly – No Limits apply)**

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Period	Date Sampled	Date of Max. Value Obtained	Min Value	Mean Value	Median Value	Max or Only Value
9	Conductivity	µS/cm	6 monthly – (Mar- Sep)	1	24/03	24/03	-	-	-	3340
	Lead	mg/L		1	24/03	24/03	-	-	-	<0.001
	pH	pH		1	24/03	24/03	-	-	-	8
	Standing Water Level	metres		1	24/03	24/03	-	-	-	6.41
10	Conductivity	µS/cm	6 monthly – (Mar- Sep)	1	24/03	24/03	-	-	-	961
	Lead	mg/L		1	24/03	24/03	-	-	-	0.001
	pH	pH		1	24/03	24/03	-	-	-	7.38
	Standing Water Level	metres		1	24/03	24/03	-	-	-	6.89
12	Conductivity	µS/cm	6 monthly – (Mar- Sep)	1	24/03	24/03	-	-	-	2860
	Lead	mg/L		1	24/03	24/03	-	-	-	0.002
	pH	pH		1	24/03	24/03	-	-	-	8.03
	Standing Water Level	metres		1	24/03	24/03	-	-	-	9.12
13	Conductivity	µS/cm	Quarterly - (Feb, May, Aug, Nov)	-	-	-	-	-	-	-
	Oil & Grease	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	TSS	mg/L		-	-	-	-	-	-	-



**Table 4 – Quarterly Attended Noise Monitoring**

(Noise Limits Apply -35dB LAeq(15min) -Day, Evening and Night;45dB LA1(1min) -Night)

<b>Table 1</b> <b>TCM Operational Noise Monitoring Results – 14 March 2023 (Day)</b>				
<b>Location</b>	<b>Time</b>	<b>Total dB(A), Leq (15 min)</b>	<b>Wind speed / direction / PSC<sup>1</sup></b>	<b>Identified Noise Sources</b>
Matong – TN2	4:06pm	38	1.8 / 273 / A	Birds (37), insects (29), TCM (<20)
Barbers Lagoon – TN3	12:49pm	55	3.3 / 159 / D	Birds (53), traffic (50), insects (30), TCM (<20)
Bungalow – TN4	2:22pm	45	5.6 / 157 / D	Traffic (44), birds (38), TCM (<20)

<b>Table 2</b> <b>TCM Operational Noise Monitoring Results – 14 March 2023 (Evening)</b>				
<b>Location</b>	<b>Time</b>	<b>Total dB(A), Leq (15 min)</b>	<b>Wind speed / direction / PSC</b>	<b>Identified Noise Sources</b>
Matong – TN2	9:02pm	50	3.2 / 113 / D	Insects (50), frogs (36), TCM (<20)
Barbers Lagoon – TN3	7:32pm	44	0.9 / 158 / E	Insects (42), birds (40), TCM (<20)
Bungalow – TN4	8:17pm	51	2.2 / 114 / E	Insects (51), traffic (30), frogs (28), TCM (<20)

<b>Table 3</b> <b>TCM Operational Noise Monitoring Results – 14 – 15 March 2023 (Night)</b>				
<b>Location</b>	<b>Time</b>	<b>Total dB(A), Leq (15 min)</b>	<b>Wind speed / direction / PSC</b>	<b>Identified Noise Sources</b>
Matong – TN2	10:00pm	54	3.1 / 092 / E	Insects (54), frogs (27), TCM (<20)
Barbers Lagoon – TN3	12:30am	45	0.8 / 056 / E	Insects (45), birds (31), frogs (30), TCM (<20)
Bungalow – TN4	11:19pm	48	3.8 / 116 / D	Insects (47), frogs (41), birds (34), TCM (<20)

<b>Table 4</b> <b>TCM Operational Noise Monitoring Results – 15 March 2023 (Day)</b>				
<b>Location</b>	<b>Time</b>	<b>Total dB(A), Leq (15 min)</b>	<b>Wind speed / direction / PSC</b>	<b>Identified Noise Sources</b>
Matong – TN2	2:56pm	37	0.5 / 289 / A	Birds (36), traffic (26), insects (25), TCM (<20)
Barbers Lagoon – TN3	11:32am	47	3.6 / 170 / A	Traffic (46), birds (40), insects (24), TCM (<20)
Bungalow – TN4	1:11pm	38	2.3 / 290 / B	Birds (38), insects (25), TCM (<20)

<b>Table 5</b>				
<b>TCM Operational Noise Monitoring Results – 15 March 2023 (Evening)</b>				
<b>Location</b>	<b>Time</b>	<b>Total dB(A), Leq (15 min)</b>	<b>Wind speed / direction / PSC</b>	<b>Identified Noise Sources</b>
Matong – TN2	9:12pm	48	2.0 / 029 / F	Insects (48), frogs (29), TCM (<20)
Barbers Lagoon – TN3	7:47pm	42	0.8 / 059 / E	Birds (41), traffic (31), insects (30), TCM (<20)
Bungalow – TN4	8:26pm	55	0.9 / 043 / E	Insects (55), frogs (35), TCM (<20)

<b>Table 6</b>				
<b>TCM Operational Noise Monitoring Results – 15 – 16 March 2023 (Night)</b>				
<b>Location</b>	<b>Time</b>	<b>Total dB(A), Leq (15 min)</b>	<b>Wind speed / direction / PSC</b>	<b>Identified Noise Sources</b>
Matong – TN2	10:00pm	57	1.4 / 075 / D	Insects (57), birds (28), frogs (27), TCM (<20)
Barbers Lagoon – TN3	12:28am	46	0.9 / 020 / E	Insects (44), birds (41), frogs (32), TCM (<20)
Bungalow – TN4	11:17pm	51	1.4 / 026 / E	Insects (51), birds (32), frogs (31), TCM (<20)

<b>Table 7</b>				
<b>TCM Operational Noise Monitoring Results – 16 March 2023 (Day)</b>				
<b>Location</b>	<b>Time</b>	<b>Total dB(A), Leq (15 min)</b>	<b>Wind speed / direction / PSC</b>	<b>Identified Noise Sources</b>
Matong – TN2	2:50pm	39	1.0 / 317 / A	Birds (38), traffic (29), insects (24), TCM (<20)
Barbers Lagoon – TN3	11:22am	49	1.0 / 105 / A	Birds (48), traffic (38), insects (34), TCM (<20)
Bungalow – TN4	1:04pm	36	3.5 / 277 / D	Birds (36), insects (23), TCM (<20)

<b>Table 8</b>				
<b>TCM Operational Noise Monitoring Results – 16 March 2023 (Evening)</b>				
<b>Location</b>	<b>Time</b>	<b>Total dB(A), Leq (15 min)</b>	<b>Wind speed / direction / PSC</b>	<b>Identified Noise Sources</b>
Matong – TN2	9:15pm	51	1.8 / 041 / E	Insects (51), frogs (27), TCM (<20)
Barbers Lagoon – TN3	7:48pm	47	0.7 / 031 / E	Traffic (45), frogs (43), insects (29), TCM (<20)
Bungalow – TN4	8:29pm	56	1.8 / 042 / F	Insects (56), frogs (28), TCM (<20)

<b>Table 9</b>				
<b>TCM Operational Noise Monitoring Results – 16 – 17 March 2023 (Night)</b>				
<b>Location</b>	<b>Time</b>	<b>Total dB(A), Leq (15 min)</b>	<b>Wind speed / direction / PSC</b>	<b>Identified Noise Sources</b>
Matong – TN2	10:00pm	60	2.0 / 037 / D	Insects (60), frogs (26), dogs (23), TCM (<20)
Barbers Lagoon – TN3	12:28am	43	1.3 / 045 / D	Insects (43), birds (26), frogs (23), TCM (<20)
Bungalow – TN4	11:18pm	53	1.8 / 026 / D	Insects (53), frogs (27), TCM (<20)

<b>Table 10</b>				
<b>TCM Operational Noise Monitoring Results – 17 March 2023 (Day)</b>				
<b>Location</b>	<b>Time</b>	<b>Total dB(A), Leq (15 min)</b>	<b>Wind speed / direction / PSC</b>	<b>Identified Noise Sources</b>
Matong – TN2	3:53pm	45	2.3 / 196 / A	Birds (45), insects (33), TCM (<20)
Barbers Lagoon – TN3	2:09pm	47	7.2 / 206 / D	Birds (46), traffic (40), insects (23), TCM (<20)
Bungalow – TN4	12:30pm	46	3.9 / 238 / C	Traffic (45), birds (40), insects (23), TCM (<20)

Table 11 TCM Operational Noise Monitoring Results – 17 March 2023 (Evening)				
Location	Time	Total dB(A), Leq (15 min)	Wind speed / direction / PSC	Identified Noise Sources
Matong – TN2	9:18pm	51	0.6 / 042 / D	Insects (51), frogs (27), TCM (<20)
Barbers Lagoon – TN3	7:52pm	43	0.6 / 035 / E	Insects (42), birds (36), frogs (32), TCM (<20)
Bungalow – TN4	8:31pm	57	0.9 / 048 / E	Insects (57), frogs (31), TCM (<20)

Table 12 TCM Operational Noise Monitoring Results – 17 – 18 March 2023 (Night)				
Location	Time	Total dB(A), Leq (15 min)	Wind speed / direction / PSC	Identified Noise Sources
Matong – TN2	10:00pm	53	1.8 / 035 / E	Insects (53), frogs (23), TCM (<20)
Barbers Lagoon – TN3	12:31am	47	2.4 / 040 / E	Insects (47), birds (34), frogs (32), TCM (<20)
Bungalow – TN4	11:19pm	48	2.6 / 048 / E	Insects (48), birds (35), frogs (30), TCM (<20)

Table 13 TCM Sleep Disturbance Monitoring Results – 14 – 15 March 2023 (Night)					
Location	Time	dB(A) L1 (1 min) <sup>1</sup>	dB(A) L1 (1 min) <sup>2</sup>	L1 Source	Wind speed / direction / PSC
Matong – TN2	10:00pm	62	<20	Insects	3.1 / 092 / E
Barbers Lagoon – TN3	12:30am	61	<20	Bird	0.8 / 056 / E
Bungalow – TN4	11:19pm	65	<20	Bird	3.8 / 116 / D

1. L1 (1 min) – total measured level.
2. L1 (1 min) – TCM noise only.

Table 14 TCM Sleep Disturbance Monitoring Results – 15 – 16 March 2023 (Night)					
Location	Time	dB(A) L1 (1 min) <sup>1</sup>	dB(A) L1 (1 min) <sup>2</sup>	L1 Source	Wind speed / direction / PSC
Matong – TN2	10:00pm	65	<20	Insects	1.4 / 075 / D
Barbers Lagoon – TN3	12:28am	76	<20	Bird	0.9 / 020 / E
Bungalow – TN4	11:17pm	65	<20	Insects	1.4 / 026 / E

Table 15 TCM Sleep Disturbance Monitoring Results – 16 – 17 March 2023 (Night)					
Location	Time	dB(A) L1 (1 min) <sup>1</sup>	dB(A) L1 (1 min) <sup>2</sup>	L1 Source	Wind speed / direction / PSC
Matong – TN2	10:00pm	66	<20	Insects	2.0 / 037 / D
Barbers Lagoon – TN3	12:28am	57	<20	Insects	1.3 / 045 / D
Bungalow – TN4	11:18pm	63	<20	Insects	1.8 / 026 / D

Table 16 TCM Sleep Disturbance Monitoring Results – 17 – 18 March 2023 (Night)					
Location	Time	dB(A) L1 (1 min) <sup>1</sup>	dB(A) L1 (1 min) <sup>2</sup>	L1 Source	Wind speed / direction / PSC
Matong – TN2	10:00pm	65	<20	Insects	1.8 / 035 / E
Barbers Lagoon – TN3	12:31am	72	<20	Bird	2.4 / 040 / E
Bungalow – TN4	11:19pm	70	<20	Bird	2.6 / 048 / E

**Table 5 – Monthly Monitoring (Blasts – Limits Apply)**

November	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date Obtained
Coomalgah	Blast Noise	dB (Lin Peak)	Every Blast	6	98.7	108.00	120	Nil	31-03-23
	Blast Vibration	mm/s	Every Blast	6	0.4	0.98	10	Nil	02-03-23

**Table 6- Monthly Monitoring (Dust PM10 – No Limits apply)**

Location	No. of samples required by licence	Lowest sample value	Mean of sample	Highest sample value
28 "Flixton" property* TEOM ( $\mu\text{g}/\text{m}^3$ )	Continuous	0.02	19.3	337.7

*\*Mine owned property – no limit apply*

**SUMMARY**
**Site Information**
**EPL No:** 12365

**EPA Website Link:** <http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=55113&SYSUID=1&LICID=12365>
**Licensee:** Tarrawonga Coal Pty Ltd

**Licensee Address:** Tarrawonga Coal Mine, 469 Goonbri Road, BOGGABRI NSW 2382

**EPL Monitoring Points:** See Figure 1 below

**Sampling Period:** April 2023

**Obtained Date:** 8/05/2023

**Publication Date:** 10/05/2023

**Table 1 - No Pollutant Limits Apply**

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date of Max. Value Obtained	Min Value	Mean Value	Median Value	Max or Only Value	Comments
5	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	
6	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	



Table 2 - Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date of Max. Value Obtained	Min Value	Max or Only Value	100%ile Limit	Exceed-ance (Yes/ No)	Comment/s
1	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	
2	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	
3	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	
26	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date of Max. Value Obtained	Min Value	Max or Only Value	100%ile Limit	Exceed-ance (Yes/ No)	Comment/s
	pH	pH		-	-	-	-	-	-	-	
27	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	

**Table 3 – Monitoring (Quarterly & 6 Monthly – No Limits apply)**

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Period	Date Sampled	Date of Max. Value Obtained	Min Value	Mean Value	Median Value	Max or Only Value
9	Conductivity	µS/cm	6 monthly – (Mar- Sep)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-
10	Conductivity	µS/cm	6 monthly – (Mar- Sep)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-
12	Conductivity	µS/cm	6 monthly – (Mar- Sep)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-
13	Conductivity	µS/cm	Quarterly - (Feb, May, Aug, Nov)	-	-	-	-	-	-	-
	Oil & Grease	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	TSS	mg/L		-	-	-	-	-	-	-

**Table 4 – Quarterly Attended Noise Monitoring**

(Noise Limits Apply -35dB LAeq(15min) -Day, Evening and Night;45dB LA1(1min) -Night)

*No Noise Monitoring data reported for April*

**Table 5 – Monthly Monitoring (Blasts – Limits Apply)**

November	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date Obtained
Coomalgah	Blast Noise	dB (Lin Peak)	Every Blast	8	97.95	104.40	120	Nil	29-04-23
	Blast Vibration	mm/s	Every Blast	8	0.44	1.69	10	Nil	29-04-23

**Table 6- Monthly Monitoring (Dust PM10 – No Limits apply)**

Location	No. of samples required by licence	Lowest sample value	Mean of sample	Highest sample value
28 "Flixton" property* TEOM ( $\mu\text{g}/\text{m}^3$ )	Continuous	0.21	10.5	227.3

*\*Mine owned property – no limit apply*

**SUMMARY**
**Site Information**
**EPL No:** 12365

**EPA Website Link:** <http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=55113&SYSUID=1&LICID=12365>
**Licensee:** Tarrawonga Coal Pty Ltd

**Licensee Address:** Tarrawonga Coal Mine, 469 Goonbri Road, BOGGABRI NSW 2382

**EPL Monitoring Points:** See Figure 1 below

**Sampling Period:** May 2023

**Obtained Date:** 6/06/2023

**Publication Date:** 7/06/2023

**Table 1 - No Pollutant Limits Apply**

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date of Max. Value Obtained	Min Value	Mean Value	Median Value	Max or Only Value	Comments
5	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	
6	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	

Table 2 - Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date of Max. Value Obtained	Min Value	Max or Only Value	100%ile Limit	Exceed-ance (Yes/ No)	Comment/s
1	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	
2	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	
3	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	
26	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date of Max. Value Obtained	Min Value	Max or Only Value	100%ile Limit	Exceed-ance (Yes/ No)	Comment/s
	pH	pH		-	-	-	-	-	-	-	
27	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	



**Table 3 – Monitoring (Quarterly & 6 Monthly – No Limits apply)**

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Period	Date Sampled	Date of Max. Value Obtained	Min Value	Mean Value	Median Value	Max or Only Value
9	Conductivity	µS/cm	6 monthly – (Mar- Sep)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-
10	Conductivity	µS/cm	6 monthly – (Mar- Sep)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-
12	Conductivity	µS/cm	6 monthly – (Mar- Sep)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-
13	Conductivity	µS/cm	Quarterly - (Feb, May, Aug, Nov)	1	17/05	17/05	-	-	-	2700
	Oil & Grease	mg/L		1	17/05	17/05	-	-	-	<5
	pH	pH		1	17/05	17/05	-	-	-	8.66
	TSS	mg/L		1	17/05	17/05	-	-	-	7

**Table 4 – Quarterly Attended Noise Monitoring**

(Noise Limits Apply -35dB LAeq(15min) -Day, Evening and Night;45dB LA1(1min) -Night)

*No Noise Monitoring data reported for May*

**Table 5 – Monthly Monitoring (Blasts – Limits Apply)**

November	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date Obtained
Coomalgah	Blast Noise	dB (Lin Peak)	Every Blast	9	94.46	105.50	120	Nil	18-05-23
	Blast Vibration	mm/s	Every Blast	9	0.21	0.54	10	Nil	18-05-23

**Table 6- Monthly Monitoring (Dust PM10 – No Limits apply)**

Location	No. of samples required by licence	Lowest sample value	Mean of sample	Highest sample value
28 "Flixton" property* TEOM ( $\mu\text{g}/\text{m}^3$ )	Continuous	0.4	16.8	278

*\*Mine owned property – no limit apply*

**SUMMARY**
**Site Information**
**EPL No:** 12365

**EPA Website Link:** <http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=55113&SYSUID=1&LICID=12365>
**Licensee:** Tarrawonga Coal Pty Ltd

**Licensee Address:** Tarrawonga Coal Mine, 469 Goonbri Road, BOGGABRI NSW 2382

**EPL Monitoring Points:** See Figure 1 below

**Sampling Period:** June 2023

**Obtained Date:** 12/07/2023

**Publication Date:** 12/07/2023

**Table 1 - No Pollutant Limits Apply**

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date of Max. Value Obtained	Min Value	Mean Value	Median Value	Max or Only Value	Comments
5	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	
6	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	

Table 2 - Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date of Max. Value Obtained	Min Value	Max or Only Value	100%ile Limit	Exceed-ance (Yes/ No)	Comment/s
1	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	
2	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	
3	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	
26	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date of Max. Value Obtained	Min Value	Max or Only Value	100%ile Limit	Exceed-ance (Yes/ No)	Comment/s
	pH	pH		-	-	-	-	-	-	-	
27	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	

**Table 3 – Monitoring (Quarterly & 6 Monthly – No Limits apply)**

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Period	Date Sampled	Date of Max. Value Obtained	Min Value	Mean Value	Median Value	Max or Only Value
9	Conductivity	µS/cm	6 monthly – (Mar- Sep)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-
10	Conductivity	µS/cm	6 monthly – (Mar- Sep)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-
12	Conductivity	µS/cm	6 monthly – (Mar- Sep)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-
13	Conductivity	µS/cm	Quarterly - (Feb, May, Aug, Nov)	-	-	-	-	-	-	-
	Oil & Grease	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	TSS	mg/L		-	-	-	-	-	-	-

**Table 4 – Quarterly Attended Noise Monitoring**

(Noise Limits Apply -35dB LAeq(15min) -Day, Evening and Night;45dB LA1(1min) -Night)

<b>Table 1</b>				
<b>TCM Operational Noise Monitoring Results – 21 June 2023 (Evening)</b>				
<b>Location</b>	<b>Time</b>	<b>Total dB(A), Leq (15 min)</b>	<b>Wind speed / direction / PSC<sup>1</sup></b>	<b>Identified Noise Sources</b>
Matong – TN2	6:01pm	33	1.3 / 048 / F	Cows (32), car (27), <b>TCM (&lt;20)</b>
Barbers Lagoon – TN3	6:49pm	38	2.4 / 057 / E	Traffic (38), dog (28), <b>TCM (&lt;20)</b>
Bungalow – TN4	7:37pm	45	2.5 / 048 / F	Traffic (45), dogs (31), <b>TCM (&lt;20)</b>
<b>Table 2</b>				
<b>TCM Operational Noise Monitoring Results – 21 – 22 June 2023 (Night)</b>				
<b>Location</b>	<b>Time</b>	<b>Total dB(A), Leq (15 min)</b>	<b>Wind speed / direction / PSC</b>	<b>Identified Noise Sources</b>
Matong – TN2	10:07pm	33	2.2 / 069 / D	Cows (33), car (21), <b>TCM (&lt;20)</b>
Barbers Lagoon – TN3	12:39am	28	1.7 / 052 / E	Car (28), <b>TCM (&lt;20)</b>
Bungalow – TN4	11:28pm	26	0.9 / 258 / E	Dogs (26), <b>TCM (&lt;20)</b>
<b>Table 3</b>				
<b>TCM Operational Noise Monitoring Results – 22 June 2023 (Day)</b>				
<b>Location</b>	<b>Time</b>	<b>Total dB(A), Leq (15 min)</b>	<b>Wind speed / direction / PSC</b>	<b>Identified Noise Sources</b>
Matong – TN2	11:19am	45	1.0 / 268 / A	Traffic (45), birds (33), mine (23), <b>TCM (&lt;20)</b>
Barbers Lagoon – TN3	2:51pm	52	0.6 / 008 / A	Industrial (52), <b>TCM (&lt;20)</b>
Bungalow – TN4	1:07pm	43	1.9 / 284 / D	Traffic (42), birds (35), <b>TCM (&lt;20)</b>
<b>Table 4</b>				
<b>TCM Operational Noise Monitoring Results – 22 June 2023 (Evening)</b>				
<b>Location</b>	<b>Time</b>	<b>Total dB(A), Leq (15 min)</b>	<b>Wind speed / direction / PSC</b>	<b>Identified Noise Sources</b>
Matong – TN2	9:24pm	31	2.0 / 247 / F	Birds (31), mine (21), <b>TCM (&lt;20)</b>
Barbers Lagoon – TN3	7:47pm	42	0.7 / 213 / F	Traffic (42), <b>TCM (&lt;20)</b>
Bungalow – TN4	8:31pm	32	0.9 / 331 / D	<b>TCM<sup>1</sup> (32)</b> , traffic (22)



<b>Table 5</b>				
<b>TCM Operational Noise Monitoring Results – 22 – 23 June 2023 (Night)</b>				
<b>Location</b>	<b>Time</b>	<b>Total dB(A), Leq (15 min)</b>	<b>Wind speed / direction / PSC</b>	<b>Identified Noise Sources</b>
Matong – TN2	12:47am	NA <sup>1</sup>	1.6 / 071 / E	NA <sup>1</sup>
Barbers Lagoon – TN3	11:28pm	46	1.2 / 172 / F	Traffic (46), <b>TCM (20)</b>
Bungalow – TN4	10:15pm	31	1.3 / 260 / D	<b>TCM<sup>2</sup> (28)</b> , traffic (28)
<b>Table 6</b>				
<b>TCM Operational Noise Monitoring Results – 23 June 2023 (Day)</b>				
<b>Location</b>	<b>Time</b>	<b>Total dB(A), Leq (15 min)</b>	<b>Wind speed / direction / PSC</b>	<b>Identified Noise Sources</b>
Matong – TN2	11:31am	41	6.4 / 299 / D	Wind in trees (41), traffic (27), <b>TCM (&lt;20)</b>
Barbers Lagoon – TN3	1:22pm	43	7.1 / 327 / D	Wind in trees (43), <b>TCM (&lt;20)</b>
Bungalow – TN4	3:01pm	47	6.4 / 342 / C	Birds (46), wind in trees (37), <b>TCM (&lt;20)</b>
<b>Table 7</b>				
<b>TCM Operational Noise Monitoring Results – 23 June 2023 (Evening)</b>				
<b>Location</b>	<b>Time</b>	<b>Total dB(A), Leq (15 min)</b>	<b>Wind speed / direction / PSC</b>	<b>Identified Noise Sources</b>
Matong – TN2	9:28pm	48	2.0 / 046 / E	Traffic (48), mine (27), <b>TCM (&lt;20)</b>
Barbers Lagoon – TN3	7:53pm	32	2.7 / 035 / D	Car (32), <b>TCM (&lt;20)</b>
Bungalow – TN4	8:36pm	32	0.5 / 065 / E	Wind in trees (32), <b>TCM (&lt;20)</b>
<b>Table 8</b>				
<b>TCM Operational Noise Monitoring Results – 23 – 24 June 2023 (Night)</b>				
<b>Location</b>	<b>Time</b>	<b>Total dB(A), Leq (15 min)</b>	<b>Wind speed / direction / PSC</b>	<b>Identified Noise Sources</b>
Matong – TN2	12:48am	38	0.8 / 022 / D	Birds (38), <b>TCM (23)</b>
Barbers Lagoon – TN3	10:21pm	37	1.9 / 039 / E	Traffic (35), birds (32), <b>TCM (22)</b>
Bungalow – TN4	11:31pm	46	1.4 / 034 / D	Birds (46), traffic (34), <b>TCM<sup>1</sup> (30)</b>
<b>Table 9</b>				
<b>TCM Operational Noise Monitoring Results – 24 June 2023 (Day)</b>				
<b>Location</b>	<b>Time</b>	<b>Total dB(A), Leq (15 min)</b>	<b>Wind speed / direction / PSC</b>	<b>Identified Noise Sources</b>

Matong – TN2	2:49pm	49	4.1 / 324 / D	Traffic (48), wind in trees (43), birds (24), <b>TCM (&lt;20)</b>
Barbers Lagoon – TN3	11:18am	36	0.9 / 262 / A	Birds (35), wind in trees (27), <b>TCM (&lt;20)</b>
Bungalow – TN4	1:03pm	42	2.3 / 206 / A	Wind in trees (42), birds (30), <b>TCM (&lt;20)</b>
<b>Table 10</b>				
<b>TCM Operational Noise Monitoring Results – 24 June 2023 (Evening)</b>				
Location	Time	Total dB(A), Leq (15 min)	Wind speed / direction / PSC	Identified Noise Sources
Matong – TN2	7:48pm	38	1.7 / 053 / D	Car (38), <b>TCM (&lt;20)</b>
Barbers Lagoon – TN3	9:21pm	22	1.6 / 054 / D	Car (22), <b>TCM (&lt;20)</b>
Bungalow – TN4	8:36pm	37	3.4 / 071 / D	Insects (37), <b>TCM (&lt;20)</b>
<b>Table 11</b>				
<b>TCM Operational Noise Monitoring Results – 24 – 25 June 2023 (Night)</b>				
Location	Time	Total dB(A), Leq (15 min)	Wind speed / direction / PSC	Identified Noise Sources
Matong – TN2	12:47am	26	0.9 / 220 / F	Wind in trees (25), <b>TCM (&lt;20)</b>
Barbers Lagoon – TN3	11:26pm	27	0.4 / 035 / E	Wind in trees (26), <b>TCM (21)</b>
Bungalow – TN4	10:04pm	26	0.6 / 037 / F	Wind in trees (26), <b>TCM (&lt;20)</b>
<b>Table 12</b>				
<b>TCM Operational Noise Monitoring Results – 25 June 2023 (Day)</b>				
Location	Time	Total dB(A), Leq (15 min)	Wind speed / direction / PSC	Identified Noise Sources
Matong – TN2	11:26am	43	1.6 / 339 / A	Traffic (43), mine (26), <b>TCM (&lt;20)</b>
Barbers Lagoon – TN3	8:00am	45	0.4 / 089 / A	Birds (42), traffic (39), helicopter (39), <b>TCM (28)</b>
Bungalow – TN4	9:46am	33	0.2 / 125 / A	Birds (32), traffic (22), <b>TCM<sup>1</sup> (20)</b>

1. Coal trucks on private haul road

<b>Table 13</b>					
<b>TCM Sleep Disturbance Monitoring Results – 21 – 22 June 2023 (Night)</b>					
<b>Location</b>	<b>Time</b>	<b>dB(A) L1 (1 min)<sup>1</sup></b>	<b>dB(A) L1 (1 min)<sup>2</sup></b>	<b>L1 Source</b>	<b>Wind speed / direction / PSC</b>
Matong – TN2	10:07pm	42	<20	Cows	2.2 / 069 / D
Barbers Lagoon – TN3	12:39am	48	26	Car	1.7 / 052 / E
Bungalow – TN4	11:28pm	51	<20	Dogs	0.9 / 258 / E
<b>Table 14</b>					
<b>TCM Sleep Disturbance Monitoring Results – 22 – 23 June 2023 (Night)</b>					
<b>Location</b>	<b>Time</b>	<b>dB(A) L1 (1 min)<sup>1</sup></b>	<b>dB(A) L1 (1 min)<sup>2</sup></b>	<b>L1 Source</b>	<b>Wind speed / direction / PSC</b>
Matong – TN2	12:47am	NA <sup>*</sup>	NA <sup>*</sup>	NA <sup>*</sup>	1.6 / 071 / E
Barbers Lagoon – TN3	11:28pm	48	20	Car	1.2 / 172 / F
Bungalow – TN4	10:15pm	40	40	Trucks	1.3 / 260 / D
<b>Table 15</b>					
<b>TCM Sleep Disturbance Monitoring Results – 23 – 24 June 2023 (Night)</b>					
<b>Location</b>	<b>Time</b>	<b>dB(A) L1 (1 min)<sup>1</sup></b>	<b>dB(A) L1 (1 min)<sup>2</sup></b>	<b>L1 Source</b>	<b>Wind speed / direction / PSC</b>
Matong – TN2	12:48am	51	<20	Birds	0.8 / 022 / D
Barbers Lagoon – TN3	10:21pm	58	27	Car	1.9 / 039 / E
Bungalow – TN4	11:31pm	61	34	Birds	1.4 / 034 / D
<b>Table 16</b>					
<b>TCM Sleep Disturbance Monitoring Results – 24 – 25 June 2023 (Night)</b>					
<b>Location</b>	<b>Time</b>	<b>dB(A) L1 (1 min)<sup>1</sup></b>	<b>dB(A) L1 (1 min)<sup>2</sup></b>	<b>L1 Source</b>	<b>Wind speed / direction / PSC</b>
Matong – TN2	12:47am	36	<20	Wind	0.9 / 220 / F
Barbers Lagoon – TN3	11:26pm	37	<20	Wind	0.4 / 035 / E
Bungalow – TN4	10:04pm	37	<20	Wind	0.6 / 037 / F

**Table 5 – Monthly Monitoring (Blasts – Limits Apply)**

November	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date Obtained
Coomalgah	Blast Noise	dB (Lin Peak)	Every Blast	8	96.06	106.30	120	Nil	28-06-23
	Blast Vibration	mm/s	Every Blast	8	0.23	0.52	10	Nil	01-06-23

**Table 6- Monthly Monitoring (Dust PM10 – No Limits apply)**

Location	No. of samples required by licence	Lowest sample value	Mean of sample	Highest sample value
28 "Flixton" property* TEOM ( $\mu\text{g}/\text{m}^3$ )	Continuous	0.5	11.6	66.2

*\*Mine owned property – no limit apply*

**SUMMARY**
**Site Information**
**EPL No:** 12365

**EPA Website Link:** <http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=55113&SYSUID=1&LICID=12365>
**Licensee:** Tarrawonga Coal Pty Ltd

**Licensee Address:** Tarrawonga Coal Mine, 469 Goonbri Road, BOGGABRI NSW 2382

**EPL Monitoring Points:** See Figure 1 below

**Sampling Period:** July 2023

**Obtained Date:** 7/08/2023

**Publication Date:** 7/08/2023

**Table 1 - No Pollutant Limits Apply**

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date of Max. Value Obtained	Min Value	Mean Value	Median Value	Max or Only Value	Comments
5	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	
6	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	

Table 2 - Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date of Max. Value Obtained	Min Value	Max or Only Value	100%ile Limit	Exceed-ance (Yes/ No)	Comment/s
1	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	
2	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	
3	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	
26	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date of Max. Value Obtained	Min Value	Max or Only Value	100%ile Limit	Exceed-ance (Yes/ No)	Comment/s
	pH	pH		-	-	-	-	-	-	-	
27	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	

**Table 3 – Monitoring (Quarterly & 6 Monthly – No Limits apply)**

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Period	Date Sampled	Date of Max. Value Obtained	Min Value	Mean Value	Median Value	Max or Only Value
9	Conductivity	µS/cm	6 monthly – (Mar- Sep)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-
10	Conductivity	µS/cm	6 monthly – (Mar- Sep)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-
12	Conductivity	µS/cm	6 monthly – (Mar- Sep)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-
13	Conductivity	µS/cm	Quarterly - (Feb, May, Aug, Nov)	-	-	-	-	-	-	-
	Oil & Grease	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	TSS	mg/L		-	-	-	-	-	-	-



**Table 4 – Quarterly Attended Noise Monitoring**

(Noise Limits Apply -35dB LAeq(15min) -Day, Evening and Night;45dB LA1(1min) -Night)

*No Noise Monitoring data reported for July*

**Table 5 – Monthly Monitoring (Blasts – Limits Apply)**

November	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date Obtained
Coomalgah	Blast Noise	dB (Lin Peak)	Every Blast	5	102.16	116.50	120	Nil	15-07-23
	Blast Vibration	mm/s	Every Blast	5	0.31	0.68	10	Nil	10-07-23

**Table 6- Monthly Monitoring (Dust PM10 – No Limits apply)**

Location	No. of samples required by licence	Lowest sample value	Mean of sample	Highest sample value
28 "Flixton" property* TEOM ( $\mu\text{g}/\text{m}^3$ )	Continuous	0.4	11.7	72.4

*\*Mine owned property – no limit apply*

**SUMMARY**
**Site Information**
**EPL No:** 12365

**EPA Website Link:** <http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=55113&SYSUID=1&LICID=12365>
**Licensee:** Tarrawonga Coal Pty Ltd

**Licensee Address:** Tarrawonga Coal Mine, 469 Goonbri Road, BOGGABRI NSW 2382

**EPL Monitoring Points:** See Figure 1 below

**Sampling Period:** August 2023

**Obtained Date:** 11/09/2023

**Publication Date:** 18/09/2023

**Table 1 - No Pollutant Limits Apply**

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date of Max. Value Obtained	Min Value	Mean Value	Median Value	Max or Only Value	Comments
5	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	
6	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	

Table 2 - Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date of Max. Value Obtained	Min Value	Max or Only Value	100%ile Limit	Exceed-ance (Yes/ No)	Comment/s
1	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	
2	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	
3	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	
24	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date of Max. Value Obtained	Min Value	Max or Only Value	100%ile Limit	Exceed-ance (Yes/ No)	Comment/s
	pH	pH		-	-	-	-	-	-	-	
26	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	μS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	
27	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	μS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	

**Table 3 – Monitoring (Quarterly & 6 Monthly – No Limits apply)**

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Period	Date Sampled	Date of Max. Value Obtained	Min Value	Mean Value	Median Value	Max or Only Value
9	Conductivity	µS/cm	6 monthly – (Mar- Sep)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	
	Standing Water Level	metres		-	-	-	-	-	-	
10	Conductivity	µS/cm	6 monthly – (Mar- Sep)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	
	Standing Water Level	metres		-	-	-	-	-	-	
12	Conductivity	µS/cm	6 monthly – (Mar- Sep)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	
	Standing Water Level	metres		-	-	-	-	-	-	
13	Conductivity	µS/cm	Quarterly - (Feb, May, Aug, Nov)	1	21/08/2023	21/08/2023	-	-	-	2920
	Oil & Grease	mg/L		1			-	-	-	<5
	pH	pH		1			-	-	-	8.22
	TSS	mg/L		1			-	-	-	1080

**Table 4 – Quarterly Attended Noise Monitoring**

(Noise Limits Apply -35dB LAeq(15min) -Day, Evening and Night;45dB LA1(1min) -Night )

*No Noise Monitoring data reported for August*

**Table 5 – Monthly Monitoring (Blasts – Limits Apply)**

Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date of Max. Value Obtained
Coomalgah	Blast Noise	dB (Lin Peak)	Every Blast	9	93.20	98.5	120	Nil	10/08/2023
(TB2)	Blast Vibration	mm/s	Every Blast	9	0.39	0.79	10	Nil	4/08/2023

**Table 6- Monthly Monitoring (Dust PM10 – No Limits apply)**

Location	No. of samples required by licence	Lowest sample value	Mean of sample	Highest sample value
“Flixton” property* TEOM (µg/m <sup>3</sup> )	Continuous	0.3	16.7	100

*\*Mine owned property – no limits apply*



**SUMMARY**
**Site Information**
**EPL No:** 12365

**EPA Website Link:** <http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=55113&SYSUID=1&LICID=12365>
**Licensee:** Tarrawonga Coal Pty Ltd

**Licensee Address:** Tarrawonga Coal Mine, 469 Goonbri Road, BOGGABRI NSW 2382

**EPL Monitoring Points:** See Figure 1 below

**Sampling Period:** September 2023

**Obtained Date:** 14/10/2023

**Publication Date:** 16/10/2023

**Table 1 - No Pollutant Limits Apply**

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date of Max. Value Obtained	Min Value	Mean Value	Median Value	Max or Only Value	Comments
5	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	
6	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	

Table 2 - Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date of Max. Value Obtained	Min Value	Max or Only Value	100%ile Limit	Exceed-ance (Yes/ No)	Comment/s
1	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	
2	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	
3	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	
24	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date of Max. Value Obtained	Min Value	Max or Only Value	100%ile Limit	Exceed-ance (Yes/ No)	Comment/s
	pH	pH		-	-	-	-	-	-	-	
26	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	μS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	
27	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	μS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	

**Table 3 – Monitoring (Quarterly & 6 Monthly – No Limits apply)**

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Period	Date Sampled	Date of Max. Value Obtained	Min Value	Mean Value	Median Value	Max or Only Value
9	Conductivity	µS/cm	6 monthly – (Mar- Sep)	1	28/09/2023	28/09/2023				3,600
	Lead	mg/L		1	28/09/2023	28/09/2023				<0.001
	pH	pH		1	28/09/2023	28/09/2023				7.8
	Standing Water Level	metres		1	28/09/2023	28/09/2023				5.61
10	Conductivity	µS/cm	6 monthly – (Mar- Sep)	1	28/09/2023	28/09/2023				859
	Lead	mg/L		1	28/09/2023	28/09/2023				<0.001
	pH	pH		1	28/09/2023	28/09/2023				7.1
	Standing Water Level	metres		1	28/09/2023	28/09/2023				3.58
12	Conductivity	µS/cm	6 monthly – (Mar- Sep)	1	28/09/2023	28/09/2023				3,150
	Lead	mg/L		1	28/09/2023	28/09/2023				<0.001
	pH	pH		1	28/09/2023	28/09/2023				7.65
	Standing Water Level	metres		1	28/09/2023	28/09/2023				8.31
13	Conductivity	µS/cm	Quarterly - (Feb, May, Aug, Nov)	-	-	-	-	-	-	-
	Oil & Grease	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	TSS	mg/L		-	-	-	-	-	-	-

**Table 4 – Quarterly Attended Noise Monitoring**

(Noise Limits Apply -35dB LAeq(15min) -Day, Evening and Night;45dB LA1(1min) -Night )

*No Noise Monitoring data reported for September*

**Table 5 – Monthly Monitoring (Blasts – Limits Apply)**

Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date of Max. Value Obtained
Coomalgah (TB2)	Blast Noise	dB (Lin Peak)	Every Blast	8	99.56	105.5	120	Nil	04/09/2023
	Blast Vibration	mm/s	Every Blast	8	0.28	0.92	10	Nil	09/09/2023

**Table 6- Monthly Monitoring (Dust PM10 – No Limits apply)**

Location	No. of samples required by licence	Lowest sample value	Mean of sample	Highest sample value
“Flixton” property* TEOM (µg/m <sup>3</sup> )	Continuous	0	17.7	42.3

*\*Mine owned property – no limit apply*

**SUMMARY**
**Site Information**
**EPL No:** 12365

**EPA Website Link:** <http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=55113&SYSUID=1&LICID=12365>
**Licensee:** Tarrawonga Coal Pty Ltd

**Licensee Address:** Tarrawonga Coal Mine, 469 Goonbri Road, BOGGABRI NSW 2382

**EPL Monitoring Points:** See Figure 1 below

**Sampling Period:** October 2023

**Obtained Date:** 7/11/2023

**Publication Date:** 14/11/2023

**Table 1 - No Pollutant Limits Apply**

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date of Max. Value Obtained	Min Value	Mean Value	Median Value	Max or Only Value	Comments
5	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	
6	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	

Table 2 - Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date of Max. Value Obtained	Min Value	Max or Only Value	100%ile Limit	Exceed-ance (Yes/No)	Comment/s
1	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	
2	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	
3	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	
24	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	



EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date of Max. Value Obtained	Min Value	Max or Only Value	100%ile Limit	Exceed-ance (Yes/ No)	Comment/s
	pH	pH		-	-	-	-	-	-	-	
26	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	μS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	
27	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	μS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	

**Table 3 – Monitoring (Quarterly & 6 Monthly – No Limits apply)**

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Period	Date Sampled	Date of Max. Value Obtained	Min Value	Mean Value	Median Value	Max or Only Value
9	Conductivity	µS/cm	6 monthly – (Mar- Sep)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	
	Standing Water Level	metres		-	-	-	-	-	-	
10	Conductivity	µS/cm	6 monthly – (Mar- Sep)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	
	Standing Water Level	metres		-	-	-	-	-	-	
12	Conductivity	µS/cm	6 monthly – (Mar- Sep)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	
	Standing Water Level	metres		-	-	-	-	-	-	
13	Conductivity	µS/cm	Quarterly - (Feb, May, Aug, Nov)	-	-	-	-	-	-	-
	Oil & Grease	mg/L		-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	
	TSS	mg/L		-	-	-	-	-	-	

**Table 4 – Quarterly Attended Noise Monitoring**

(Noise Limits Apply -35dB LAeq(15min) -Day, Evening and Night;45dB LA1(1min) -Night )

*No Noise Monitoring data reported for October*

**Table 5 – Monthly Monitoring (Blasts – Limits Apply)**

Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date of Max. Value Obtained
Coomalgah (TB2)	Blast Noise	dB (Lin Peak)	Every Blast	8	99.56	105.5	120	Nil	18/10/2023
	Blast Vibration	mm/s	Every Blast	8	0.28	0.92	10	Nil	26/10/2023

**Table 6- Monthly Monitoring (Dust PM10 – No Limits apply)**

Location	No. of samples required by licence	Lowest sample value	Mean of sample	Highest sample value
“Flixton” property* TEOM (µg/m <sup>3</sup> )	Continuous	6.27	21.6	61

*\*Mine owned property – no limit apply*

**SUMMARY**
**Site Information**
**EPL No:** 12365

**EPA Website Link:** <http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=55113&SYSUID=1&LICID=12365>
**Licensee:** Tarrawonga Coal Pty Ltd

**Licensee Address:** Tarrawonga Coal Mine, 469 Goonbri Road, BOGGABRI NSW 2382

**EPL Monitoring Points:** See Figure 1 below

**Sampling Period:** November 2023

**Obtained Date:** 10/12/2023

**Publication Date:** 14/12/2023

**Table 1 - No Pollutant Limits Apply**

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date of Max. Value Obtained	Min Value	Mean Value	Median Value	Max or Only Value	Comments
5	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	
6	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	

Table 2 - Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date of Max. Value Obtained	Min Value	Max or Only Value	100%ile Limit	Exceed-ance (Yes/No)	Comment/s
1	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	
2	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	
3	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	
24	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date of Max. Value Obtained	Min Value	Max or Only Value	100%ile Limit	Exceed-ance (Yes/ No)	Comment/s
	pH	pH		-	-	-	-	-	-	-	
26	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	μS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	
27	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	μS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	

**Table 3 – Monitoring (Quarterly & 6 Monthly – No Limits apply)**

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Period	Date Sampled	Date of Max. Value Obtained	Min Value	Mean Value	Median Value	Max or Only Value
9	Conductivity	µS/cm	6 monthly – (Mar- Sep)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	
	Standing Water Level	metres		-	-	-	-	-	-	
10	Conductivity	µS/cm	6 monthly – (Mar- Sep)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	
	Standing Water Level	metres		-	-	-	-	-	-	
12	Conductivity	µS/cm	6 monthly – (Mar- Sep)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	
	Standing Water Level	metres		-	-	-	-	-	-	
13	Conductivity	µS/cm	Quarterly - (Feb, May, Aug, Nov)	-	-	-	-	-	-	-
	Oil & Grease	mg/L		-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	
	TSS	mg/L		-	-	-	-	-	-	



**Table 4 – Quarterly Attended Noise Monitoring**

(Noise Limits Apply -35dB LAeq(15min) -Day, Evening and Night;45dB LA1(1min) -Night )

**Table 5 – Monthly Monitoring (Blasts – Limits Apply)**

Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date of Max. Value Obtained
Coomalgah	Blast Noise	dB (Lin Peak)	Every Blast	6	92.2	97.6	120	Nil	9/11/2023
(TB2)	Blast Vibration	mm/s	Every Blast	6	1.30	0.57	10	Nil	9/11/2023

**Table 6- Monthly Monitoring (Dust PM10 – No Limits apply)**

Location	No. of samples required by licence	Lowest sample value	Mean of sample	Highest sample value
“Flixton” property* TEOM (µg/m <sup>3</sup> )	Continuous	0	17.4	61

*\*Mine owned property – no limit apply*

**SUMMARY**
**Site Information**
**EPL No:** 12365

**EPA Website Link:** <http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=55113&SYSUID=1&LICID=12365>
**Licensee:** Tarrawonga Coal Pty Ltd

**Licensee Address:** Tarrawonga Coal Mine, 469 Goonbri Road, BOGGABRI NSW 2382

**EPL Monitoring Points:** See Figure 1 below

**Sampling Period:** December 2023

**Obtained Date:** 10/12/2023

**Publication Date:** 14/12/2023

**Table 1 - No Pollutant Limits Apply**

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date of Max. Value Obtained	Min Value	Mean Value	Median Value	Max or Only Value	Comments
5	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	
6	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	

Table 2 - Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date of Max. Value Obtained	Min Value	Max or Only Value	100%ile Limit	Exceed-ance (Yes/No)	Comment/s
1	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	
2	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	
3	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	
24	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date of Max. Value Obtained	Min Value	Max or Only Value	100%ile Limit	Exceed-ance (Yes/ No)	Comment/s
	pH	pH		-	-	-	-	-	-	-	
26	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	
27	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	

**Table 3 – Monitoring (Quarterly & 6 Monthly – No Limits apply)**

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Period	Date Sampled	Date of Max. Value Obtained	Min Value	Mean Value	Median Value	Max or Only Value
9	Conductivity	µS/cm	6 monthly – (Mar- Sep)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	
	Standing Water Level	metres		-	-	-	-	-	-	
10	Conductivity	µS/cm	6 monthly – (Mar- Sep)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	
	Standing Water Level	metres		-	-	-	-	-	-	
12	Conductivity	µS/cm	6 monthly – (Mar- Sep)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	
	Standing Water Level	metres		-	-	-	-	-	-	
13	Conductivity	µS/cm	Quarterly - (Feb, May, Aug, Nov)	1	12/12	12/12				3300
	Oil & Grease	mg/L		1	12/12	12/12				<5
	pH	pH		1	12/12	12/12				8.92
	TSS	mg/L		1	12/12	12/12				61

**Table 4 – Quarterly Attended Noise Monitoring**

(Noise Limits Apply -35dB LAeq(15min) -Day, Evening and Night;45dB LA1(1min) -Night )

<b>Table 1</b>				
<b>TCM Operational Noise Monitoring Results – 11 December 2023 (Evening)</b>				
<b>Location</b>	<b>Time</b>	<b>Total dB(A), Leq (15 min)</b>	<b>Wind speed / direction / PSC<sup>1</sup></b>	<b>Identified Noise Sources</b>
Matong – TN2	9:21pm	35	1.9 / 039 / E	Insects (33), frogs (30), cows (25), <b>TCM (IA)</b>
Barbers Lagoon – TN3	7:57pm	43	0.8 / 056 / E	Birds (42), insects (36), traffic (29), frogs (26), <b>TCM (IA)</b>
Bungalow – TN4	8:34pm	38	1.1 / 045 / E	Insects (37), frogs (30), <b>TCM<sup>1</sup> (26)</b>

<b>Table 2</b>				
<b>TCM Operational Noise Monitoring Results – 11-12 December 2023 (Night)</b>				
<b>Location</b>	<b>Time</b>	<b>Total dB(A), Leq (15 min)</b>	<b>Wind speed / direction / PSC</b>	<b>Identified Noise Sources</b>
Matong – TN2	10:00pm	30	1.6 / 087 / E	Insects (30), <b>TCM (IA)</b>
Barbers Lagoon – TN3	12:28am	46	1.4 / 070 / E	Traffic (46), insects (32), frogs (20), <b>TCM (IA)</b>
Bungalow – TN4	11:16pm	46	1.9 / 076 / E	Insects (46), dogs (29), frogs (27), mine (20), <b>TCM (IA)</b>

<b>Table 3</b>				
<b>TCM Operational Noise Monitoring Results – 12 December 2023 (Day)</b>				
<b>Location</b>	<b>Time</b>	<b>Total dB(A), Leq (15 min)</b>	<b>Wind speed / direction / PSC</b>	<b>Identified Noise Sources</b>
Matong – TN2	12:26pm	47	2.6 / 211 / A	Birds (46), insects (39), <b>TCM (21)</b>
Barbers Lagoon – TN3	2:16pm	44	2.6 / 225 / B	Traffic (42), birds (37), insects (35), <b>TCM (IA)</b>
Bungalow – TN4	10:46am	41	1.7 / 148 / A	Insects (39), birds (37), <b>TCM (IA)</b>

<b>Table 4</b> <b>TCM Operational Noise Monitoring Results – 12 December 2023 (Evening)</b>				
<b>Location</b>	<b>Time</b>	<b>Total dB(A), Leq (15 min)</b>	<b>Wind speed / direction / PSC</b>	<b>Identified Noise Sources</b>
Matong – TN2	9:29pm	34	2.0 / 270 / E	Insects (33), frogs (24), <b>TCM (23)</b>
Barbers Lagoon – TN3	8:05pm	45	1.0 / 300 / E	Aeroplanes (42), insects (40), birds (36), frogs (35), <b>TCM (IA)</b>
Bungalow – TN4	8:45pm	41	0.5 / 219 / E	Insects (41), birds (25), <b>TCM (IA)</b>

<b>Table 5</b> <b>TCM Operational Noise Monitoring Results – 12-13 December 2023 (Night)</b>				
<b>Location</b>	<b>Time</b>	<b>Total dB(A), Leq (15 min)</b>	<b>Wind speed / direction / PSC</b>	<b>Identified Noise Sources</b>
Matong – TN2	10:00pm	39	2.8 / 242 / D	Insects (37), <b>TCM (32)</b> , frogs (31)
Barbers Lagoon – TN3	12:26am	35	1.4 / 047 / E	Insects (34), sheep (25), frogs (23), <b>TCM (IA)</b>
Bungalow – TN4	11:17pm	34	1.0 / 122 / E	Insects (34), frogs (23), <b>TCM (IA)</b>

<b>Table 6</b> <b>TCM Operational Noise Monitoring Results – 13 December 2023 (Day)</b>				
<b>Location</b>	<b>Time</b>	<b>Total dB(A), Leq (15 min)</b>	<b>Wind speed / direction / PSC</b>	<b>Identified Noise Sources</b>
Matong – TN2	1:32pm	41	3.2 / 266 / B	Birds (40), insects (35), <b>TCM (IA)</b>
Barbers Lagoon – TN3	3:13pm	50	3.1 / 284 / C	Traffic (50), insects (37), birds (35), <b>TCM (IA)</b>
Bungalow – TN4	11:19am	49	3.2 / 268 / B	Birds (48), insects (41), <b>TCM (IA)</b>



<b>Table 7</b>				
<b>TCM Operational Noise Monitoring Results – 13 December 2023 (Evening)</b>				
<b>Location</b>	<b>Time</b>	<b>Total dB(A), Leq (15 min)</b>	<b>Wind speed / direction / PSC</b>	<b>Identified Noise Sources</b>
Matong – TN2	9:30pm	46	5.2 / 317 / D	Insects (46), wind (32), <b>TCM (IA)</b>
Barbers Lagoon – TN3	8:03pm	43	3.1 / 189 / E	Insects (42), traffic (35), frogs (29), birds (25), <b>TCM (IA)</b>
Bungalow – TN4	8:44pm	48	5.1 / 313 / D	Insects (47), frogs (38), wind (33), <b>TCM (IA)</b>

<b>Table 8</b>				
<b>TCM Operational Noise Monitoring Results – 13-14 December 2023 (Night)</b>				
<b>Location</b>	<b>Time</b>	<b>Total dB(A), Leq (15 min)</b>	<b>Wind speed / direction / PSC</b>	<b>Identified Noise Sources</b>
Matong – TN2	10:00pm	42	4.5 / 325 / D	Insects (42), wind (26), <b>TCM (23)</b>
Barbers Lagoon – TN3	12:26am	34	1.5 / 102 / E	Insects (30), frogs (30), <b>TCM (28)</b>
Bungalow – TN4	11:16pm	43	3.0 / 331 / D	Insects (43), frogs (30), <b>TCM (IA)</b>

<b>Table 9</b>				
<b>TCM Operational Noise Monitoring Results – 14 December 2023 (Day)</b>				
<b>Location</b>	<b>Time</b>	<b>Total dB(A), Leq (15 min)</b>	<b>Wind speed / direction / PSC</b>	<b>Identified Noise Sources</b>
Matong – TN2	2:42pm	51	5.1 / 298 / C	Birds (50), insects (43), wind (36), <b>TCM (IA)</b>
Barbers Lagoon – TN3	4:29pm	45	4.6 / 293 / D	Birds (44), insects (37), <b>TCM (IA)</b>
Bungalow – TN4	11:16am	53	6.1 / 316 / C	Birds (53), insects (35), wind (32), <b>TCM (IA)</b>

<b>Table 10</b> <b>TCM Operational Noise Monitoring Results – 14 December 2023 (Evening)</b>				
<b>Location</b>	<b>Time</b>	<b>Total dB(A), Leq (15 min)</b>	<b>Wind speed / direction / PSC</b>	<b>Identified Noise Sources</b>
Matong – TN2	9:29pm	51	8.4 / 322 / D	Insects (40), frogs (42), wind (30), <b>TCM (IA)</b>
Barbers Lagoon – TN3	8:03pm	46	1.3 / 254 / E	Insects (45), birds (39), frogs (23), <b>TCM (IA)</b>
Bungalow – TN4	8:45pm	46	1.6 / 221 / E	Insects (46), sheep (34), <b>TCM (IA)</b>

<b>Table 11</b> <b>TCM Operational Noise Monitoring Results – 14-15 December 2023 (Night)</b>				
<b>Location</b>	<b>Time</b>	<b>Total dB(A), Leq (15 min)</b>	<b>Wind speed / direction / PSC</b>	<b>Identified Noise Sources</b>
Matong – TN2	10:00pm	48	7.4 / 319 / D	Insects (47), birds (38), wind (33), <b>TCM (IA)</b>
Barbers Lagoon – TN3	12:27am	52	2.1 / 114 / D	Insects (52), <b>TCM (IA)</b>
Bungalow – TN4	11:17pm	55	6.3 / 287 / D	Insects (54), frogs (47), wind (32), <b>TCM (IA)</b>

<b>Table 12</b> <b>TCM Operational Noise Monitoring Results – 15 December 2023 (Day)</b>				
<b>Location</b>	<b>Time</b>	<b>Total dB(A), Leq (15 min)</b>	<b>Wind speed / direction / PSC</b>	<b>Identified Noise Sources</b>
Matong – TN2	11:46am	45	4.9 / 298 / C	Birds (44), insects (39), <b>TCM (21)</b>
Barbers Lagoon – TN3	9:59am	50	4.5 / 292 / C	Birds (40), traffic (42), insects (35), <b>TCM (IA)</b>
Bungalow – TN4	8:16am	46	4.0 / 321 / C	Birds (45), insects (40), <b>TCM (IA)</b>

Table 13. Low-frequency analysis – Matong – TN2 10:00 pm													
Hz/dB(Z)	One-third octave L <sub>Z</sub> eq,15min threshold level												
Frequency (Hz)	10	12.5	16	20	25	31.5	40	50	63	80	100	125	160
Matong – TN2, dB(Z)	--	46	45	42	45	40	44	43	42	43	42	37	29
Threshold, dB(Z)	92	89	86	77	69	61	54	50	50	48	48	46	44
Exceedance, dB	--	0	0	0	0	0	0	0	0	0	0	0	0

Table 14 TCM Sleep Disturbance Monitoring Results – 11-12 December 2023 (Night)					
Location	Time	dB(A) L1 (1 min) <sup>1</sup>	dB(A) L1 (1 min) <sup>2</sup>	L1 Source	Wind speed / direction / PSC
Matong – TN2	10:00pm	44	<20	Insects	1.6 / 087 / E
Barbers Lagoon – TN3	12:28am	71	<20	Traffic	1.4 / 070 / E
Bungalow – TN4	11:16pm	55	<20	Insects	1.9 / 076 / E

1. L1 (1 min) – total measured level.
2. L1 (1 min) – TCM noise only.

Table 15 TCM Sleep Disturbance Monitoring Results – 12-13 December 2023 (Night)					
Location	Time	dB(A) L1 (1 min) <sup>1</sup>	dB(A) L1 (1 min) <sup>2</sup>	L1 Source	Wind speed / direction / PSC
Matong – TN2	10:00pm	51	36	Insects	2.8 / 242 / D
Barbers Lagoon – TN3	12:26am	59	<20	Insects	1.4 / 047 / E
Bungalow – TN4	11:17pm	47	<20	Insects	1.0 / 122 / E

Table 16 TCM Sleep Disturbance Monitoring Results – 13-14 December 2023 (Night)					
Location	Time	dB(A) L1 (1 min) <sup>1</sup>	dB(A) L1 (1 min) <sup>2</sup>	L1 Source	Wind speed / direction / PSC
Matong – TN2	10:00pm	50	26	Insects	4.5 / 325 / D
Barbers Lagoon – TN3	12:26am	38	32	Insects	1.5 / 102 / E
Bungalow – TN4	11:16am	49	<20	Insects	3.0 / 331 / D

<b>Table 17</b>					
<b>TCM Sleep Disturbance Monitoring Results – 14-15 December 2023 (Night)</b>					
<b>Location</b>	<b>Time</b>	<b>dB(A) L1 (1 min)<sup>1</sup></b>	<b>dB(A) L1 (1 min)<sup>2</sup></b>	<b>L1 Source</b>	<b>Wind speed / direction / PSC</b>
Matong – TN2	10:00pm	56	<20	Insects	7.4 / 319 / D
Barbers Lagoon – TN3	12:27am	62	<20	Insects	2.1 / 114 / D
Bungalow – TN4	11:17pm	60	<20	Insects	6.3 / 287 / D

The results in Tables 14 to 17 show that the Tarrawonga Coal Mine measured L1 (1 min) noise levels did not exceed the sleep disturbance criterion during any of the night-time monitoring periods

**Table 5 – Monthly Monitoring (Blasts – Limits Apply)**

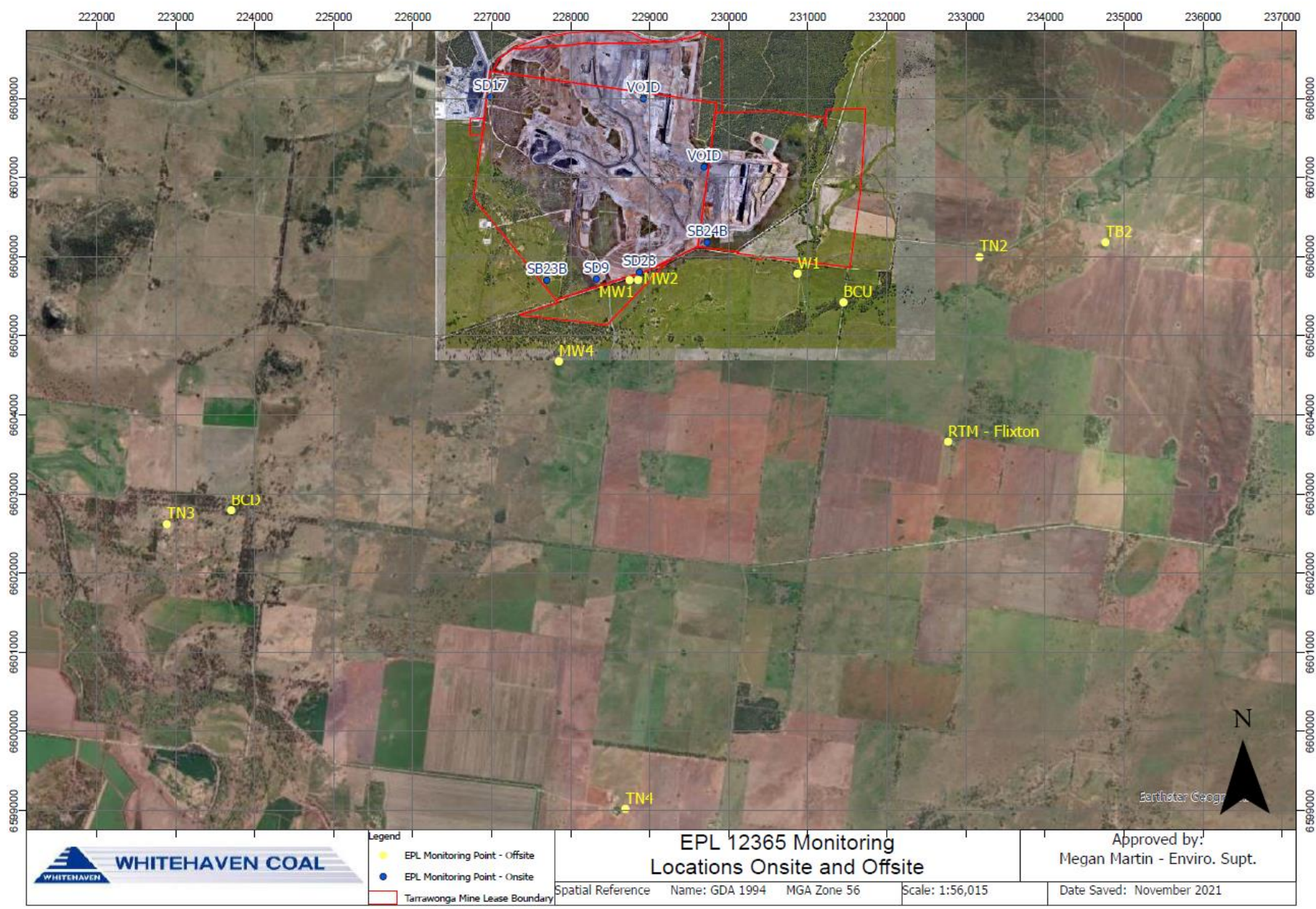
Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date of Max. Value Obtained
Coomalgah (TB2)	Blast Noise	dB (Lin Peak)	Every Blast	5	97.82	100.40	120	Nil	8/12/2023
	Blast Vibration	mm/s	Every Blast	5	0.39	0.73	10	Nil	23/12/2023

**Table 6- Monthly Monitoring (Dust PM10 – No Limits apply)**

Location	No. of samples required by licence	Lowest sample value	Mean of sample	Highest sample value
“Flixton” property* TEOM (µg/m <sup>3</sup> )	Continuous	5.22	24.6	126

*\*Mine owned property – no limit apply*

Figure 1 – EPL 12365 Monitoring Locations



### Correction Log

Month of EPL Report:	Date of Original Publishing:	Date of Correction:	Date of Republishing:	Correction/s made:
February 2023	06/03/2023	23/03/2023	23/03/2023	<ul style="list-style-type: none"><li>Page 2: Line/s associated with EPL ID 13 in Table 3 corrected to display TSS value.</li></ul>