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: March 2025
Obtained Date: 8/04/2025
Publication Date: 14/04/2025

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	1	29/3/25	29/3/25	-	-	-	156	-
	Conductivity	µS/cm		1	29/3/25	29/3/25	-	-	-	113	
	Oil & Grease	mg/L		1	29/3/25	29/3/25	-	-	-	<5	
	pH	pH		1	29/3/25	29/3/25	-	-	-	7.15	
6	TSS	mg/L	Upon discharge	1	29/3/25	29/3/25	-	-	-	18	-
	Conductivity	µS/cm		1	29/3/25	29/3/25	-	-	-	122	
	Oil & Grease	mg/L		1	29/3/25	29/3/25	-	-	-	<5	
	pH	pH		1	29/3/25	29/3/25	-	-	-	7.04	

Whitehaven

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		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	
26	TSS	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
	Conductivity	µS/cm	Upon discharge	-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	
27	TSS	mg/L	Upon discharge	1	29/3/25	29/3/25	-	1740	<50	Yes	Sample taken after major rain event, therefor limit for TSS does not apply.
	Conductivity	µS/cm		1	29/3/25	29/3/25	-	174	-	No	
	Oil & Grease	mg/L		1	29/3/25	29/3/25	-	<5	<10	No	
	pH	pH		1	29/3/25	29/3/25	-	7.55	6.5-8.5	No	

Whitehaven

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	27/3/25	27/3/25	-	-	-	3250
	Lead	mg/L		1	27/3/25	27/3/25	-	-	-	<0.001
	pH	pH		1	27/3/25	27/3/25	-	-	-	7.76
	Standing Water Level	metres		1	27/3/25	27/3/25	-	-	-	6.44
10	Conductivity	µS/cm	6 monthly – (Mar- Sep)	1	27/3/25	27/3/25	-	-	-	596
	Lead	mg/L		1	27/3/25	27/3/25	-	-	-	<0.001
	pH	pH		1	27/3/25	27/3/25	-	-	-	7.36
	Standing Water Level	metres		1	27/3/25	27/3/25	-	-	-	5.18
12	Conductivity	µS/cm	6 monthly – (Mar- Sep)	1	27/3/25	27/3/25	-	-	-	3260
	Lead	mg/L		1	27/3/25	27/3/25	-	-	-	<0.001
	pH	pH		1	27/3/25	27/3/25	-	-	-	7.93
	Standing Water Level	metres		1	27/3/25	27/3/25	-	-	-	8.69
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 1 TCM Operational Noise Monitoring Results – 17 March 2025 (Evening)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC**	**Identified Noise Sources**
Matong – TN2	8:11pm	38	5.0 / 151 / D	Insects (34), aeroplanes (34), wind (31), **TCM (<20)**
Barbers Lagoon – TN3	9:30pm	50	6.5 / 132 / D	Wind (50), birds (38), **TCM (<20)**
Bungalow – TN4	8:51pm	45	4.4 / 139 / D	Insects (45), wind (34), **TCM (<20)**

Table 2 TCM Operational Noise Monitoring Results – 17-18 March 2025 (Night)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC**	**Identified Noise Sources**
Matong – TN2	10:02pm	42	6.4 / 120 / D	Insects (39), wind (39), **TCM (<20)**
Barbers Lagoon – TN3	12:27am	33	6.0 / 132 / D	Wind (31), insects (29), **TCM (<20)**
Bungalow – TN4	11:15pm	40	4.0 / 120 / D	Insects (39), wind (32), **TCM (<20)**

Table 3 TCM Operational Noise Monitoring Results – 18 March 2025 (Day)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC**	**Identified Noise Sources**
Matong – TN2	10:04am	32	3.0 / 096 / B	Birds (32), **TCM (22)**
Barbers Lagoon – TN3	1:39pm	58	3.5 / 251 / B	Traffic (58), birds (37), **TCM (<20)**
Bungalow – TN4	11:55am	40	2.6 / 199 / A	Birds (38), traffic (35), wind (27), **TCM (<20)**

Table 4 TCM Operational Noise Monitoring Results – 18 March 2025 (Evening)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC**	**Identified Noise Sources**
Matong – TN2	7:47pm	39	2.4 / 138 / E	Insects (39), aeroplanes (25), **TCM (<20)**
Barbers Lagoon – TN3	9:20pm	56	3.3 / 164 / E	Traffic (56), wind (43), insects (39), **TCM (<20)**
Bungalow – TN4	8:38pm	46	1.6 / 153 / E	Wind (44), insects (42), **TCM (<20)**

Table 5 TCM Operational Noise Monitoring Results – 18-19 March 2025 (Night)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC**	**Identified Noise Sources**
Matong – TN2	10:04pm	39	4.1 / 114 / E	Insects (39), mine (28), **TCM (<20)**
Barbers Lagoon – TN3	12:29am	30	3.0 / 064 / D	Insects (28), **TCM (25)**
Bungalow – TN4	11:17pm	41	4.0 / 093 / D	Insects (39), wind (37), **TCM (<20)**

Table 6 TCM Operational Noise Monitoring Results – 19 March 2025 (Day)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC**	**Identified Noise Sources**
Matong – TN2	10:35am	42	1.9 / 201 / B	Birds (42), insects (26), **TCM (21)**
Barbers Lagoon – TN3	1:50pm	44	2.7 / 230 / B	Birds (43), traffic (37), **TCM (<20)**
Bungalow – TN4	12:15pm	39	2.8 / 192 / A	Birds (36), traffic (35), insects (29), **TCM (<20)**

Table 7 TCM Operational Noise Monitoring Results – 19 March 2025 (Evening)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC**	**Identified Noise Sources**
Matong – TN2	8:58pm	38	1.4 / 036 / D	Insects (38), **TCM (25)**
Barbers Lagoon – TN3	7:30pm	54	0.9 / 230 / E	Traffic (54), birds (37), **TCM (<20)**
Bungalow – TN4	8:11pm	58	1.0 / 235 / F	Insects (58), **TCM (<20)**

Table 8 TCM Operational Noise Monitoring Results – 19-20 March 2025 (Night)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC**	**Identified Noise Sources**
Matong – TN2	10:02pm	36	1.9 / 031 / D	Insects (35), **TCM (27)**
Barbers Lagoon – TN3	12:30am	28	2.7 / 065 / E	Insects (28), **TCM (<20)**
Bungalow – TN4	11:17pm	44	2.0 / 043 / E	Insects (44), **TCM (<20)**

Table 9 TCM Operational Noise Monitoring Results – 20 March 2025 (Day)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC**	**Identified Noise Sources**
Matong – TN2	10:47am	34	1.7 / 217 / A	Wind (33), insects (25), **TCM (<20)**
Barbers Lagoon – TN3	2:15pm	48	2.2 / 228 / A	Traffic (48), birds (30), **TCM (<20)**
Bungalow – TN4	12:34pm	39	2.4 / 143 / A	Traffic (37), birds (35), **TCM (<20)**

Table 10 TCM Operational Noise Monitoring Results – 20 March 2025 (Evening)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC**	**Identified Noise Sources**
Matong – TN2	9:05pm	35	1.5 / 014 / D	Insects (35), **TCM (<20)**
Barbers Lagoon – TN3	7:33pm	43	1.8 / 071 / E	Birds (40), traffic (40), **TCM (<20)**
Bungalow – TN4	8:18pm	47	1.9 / 034 / D	Insects (46), traffic (41), aeroplanes (22), **TCM (<20)**

Table 11 TCM Operational Noise Monitoring Results – 20-21 March 2025 (Night)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC**	**Identified Noise Sources**
Matong – TN2	10:01pm	35	2.1 / 023 / D	Insects (35), mine (22), **TCM (<20)**
Barbers Lagoon – TN3	12:28am	43	2.3 / 031 / D	Traffic (43), insects (24), cows (21), **TCM (<20)**
Bungalow – TN4	11:17pm	44	2.0 / 043 / D	Insects (44), traffic (27), **TCM (<20)**

Table 12 TCM Operational Noise Monitoring Results – 21 March 2025 (Day)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC**	**Identified Noise Sources**
Matong – TN2	9:18am	51	2.2 / 194 / B	Traffic (50), birds (44), **TCM (28)**
Barbers Lagoon – TN3	7:32am	53	1.1 / 138 / C	Traffic (52), birds (47), **TCM (28)**
Bungalow – TN4	11:03am	40	3.1 / 229 / B	Birds (39), traffic (32), **TCM (27)**

The results in Tables 1 to 12 indicate that, under the operational and atmospheric conditions at the time, the measured noise levels from TCM did not exceed the applicable noise criterion at any monitoring location.

Whitehaven

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	92.8	102.60	**120**	**Nil**	7/3/2025
	Blast Vibration	**mm/s**	**Every Blast**	5	0.14	0.35	**10**	**Nil**	7/3/2025

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^3)	Continuous	0	14.2	67.3

*****Mine owned property – no limit apply*

Figure 1 – EPL 12365 Monitoring Locations