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 2024
Obtained Date: 1/02/2024
Publication Date: 16/02/2024

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		-	-	-	-	-	-	-	
	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)	-	-	-	-	-	-	-
	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 2024

Table 5 – Monthly Monitoring (Blasts – Limits Apply)

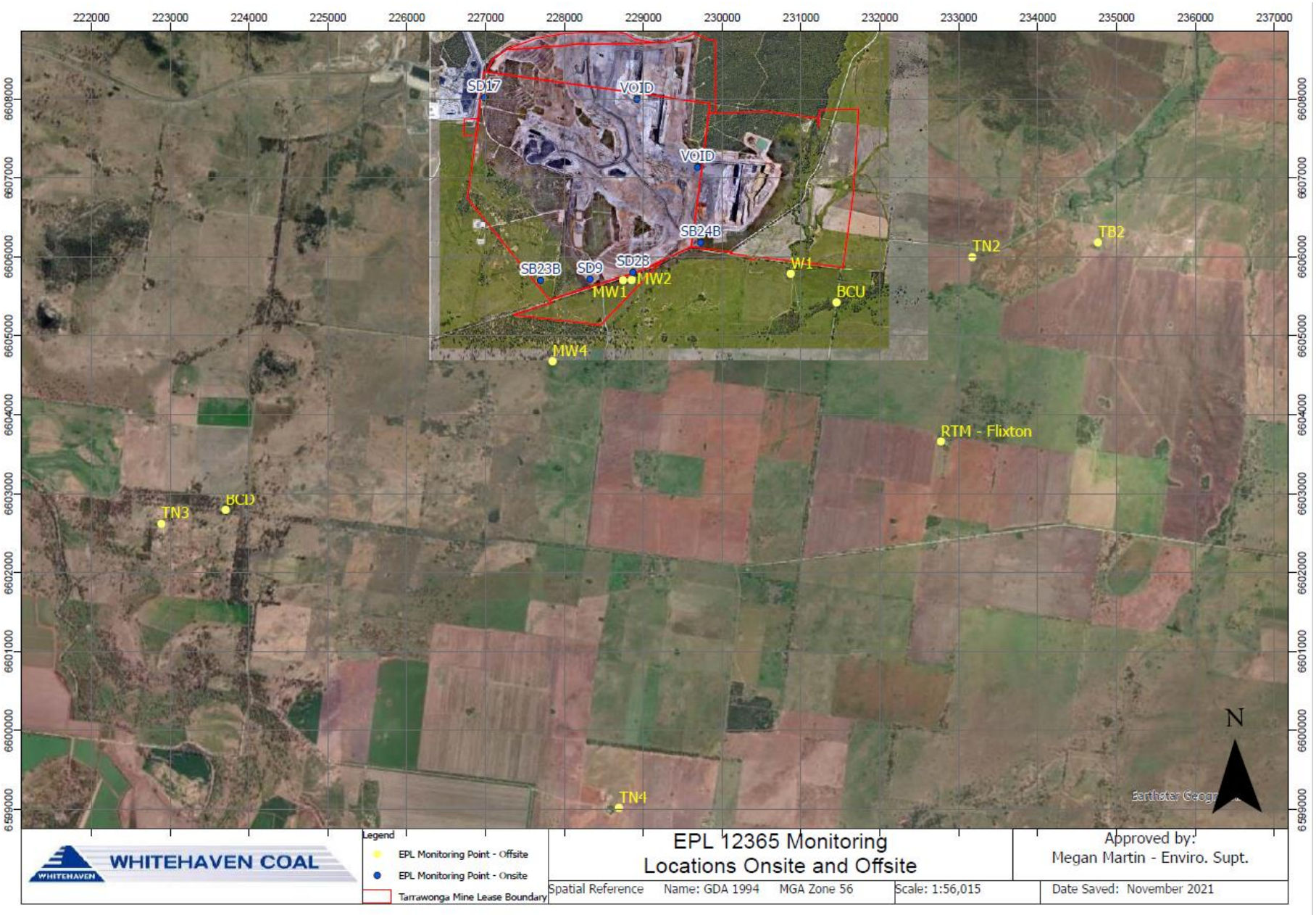
Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date of Max. Value Obtained
Coomalgah (TB2)	**Blast Noise**	**dB (Lin Peak)**	**Every Blast**	5	100.8	107.8	120	Nil	16/01/2024
	Blast Vibration	**mm/s**	**Every Blast**	5	0.294	0.43	**10**	**Nil**	16/01/2024

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			

*****_Mine owned property – no limit apply_

Figure 1 – EPL 12365 Monitoring Locations



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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 2024
Obtained Date: 29/02/2024
Publication Date: 11/03/2024

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	08/02/24	08/02/24	-	-	-	4440
	Oil & Grease	mg/L		1	08/02/24	08/02/24	-	-	-	>5
	pH	pH		1	08/02/24	08/02/24	-	-	-	9.42
	TSS	mg/L		1	08/02/24	08/02/24	-	-	-	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)

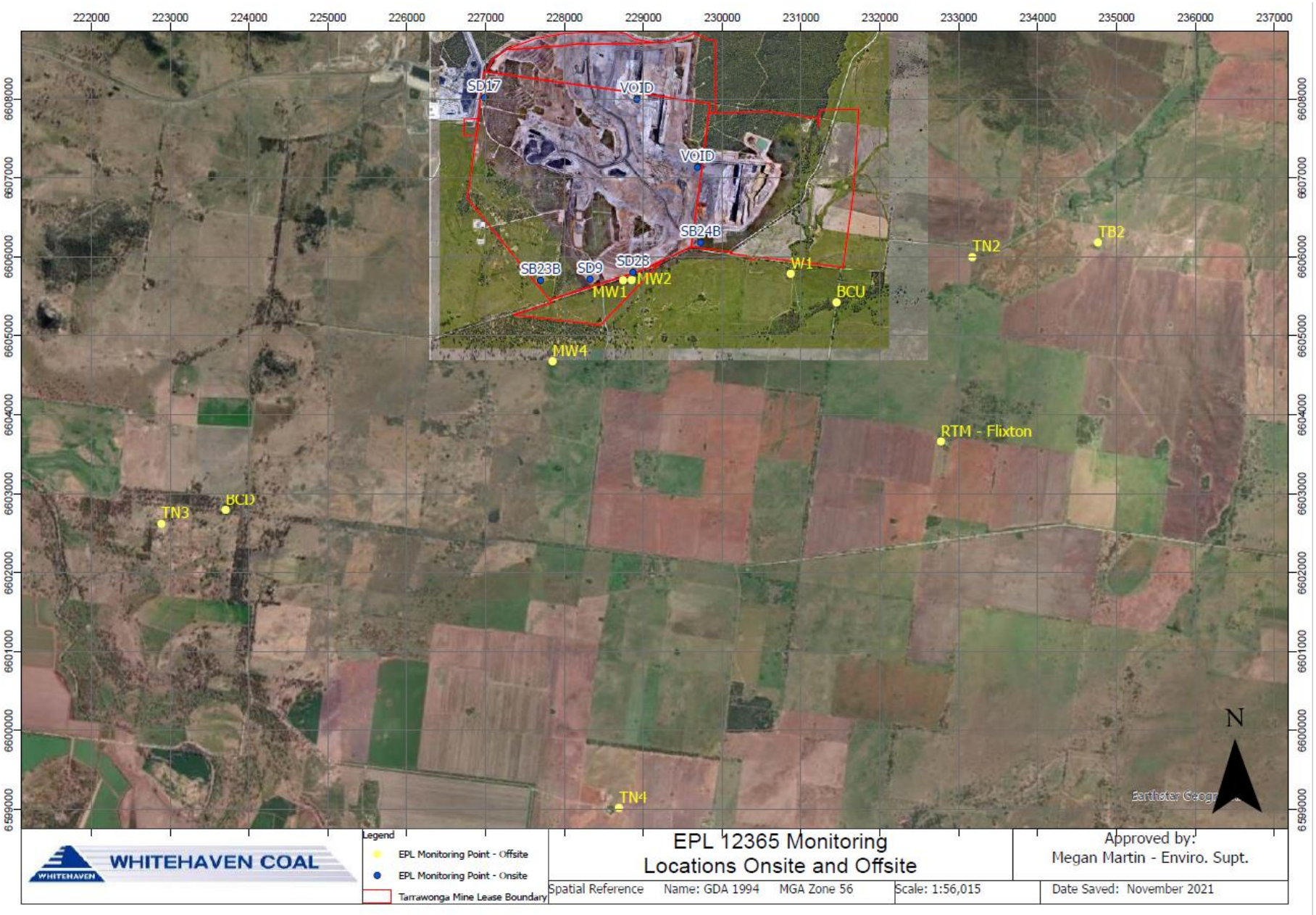
Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date of Max. Value Obtained
Coomalgah (TB2)	Blast Noise	dB (Lin Peak)	Every Blast	4	95.50	101.70	120	Nil	12/02/2024
	Blast Vibration	mm/s	Every Blast	4	0.16	0.59	10	Nil	01/02/2024

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	16.7	45.1

*****_Mine owned property – no limit apply_

Figure 1 – EPL 12365 Monitoring Locations



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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 2024
Obtained Date: 15/04/2024
Publication Date: 16/04/2024

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	12/03/2024	12/03/2024	-	-	-	3,360
	Lead	mg/L		1	12/03/2024	12/03/2024	-	-	-	<0.001
	pH	pH		1	12/03/2024	12/03/2024	-	-	-	7.52
	Standing Water Level	metres		1	12/03/2024	12/03/2024	-	-	-	6.33
10	Conductivity	µS/cm	6 monthly – (Mar- Sep)	1	12/03/2024	12/03/2024	-	-	-	714
	Lead	mg/L		1	12/03/2024	12/03/2024	-	-	-	<0.001
	pH	pH		1	12/03/2024	12/03/2024	-	-	-	7.16
	Standing Water Level	metres		1	12/03/2024	12/03/2024	-	-	-	4.6
12	Conductivity	µS/cm	6 monthly – (Mar- Sep)	1	12/03/2024	12/03/2024	-	-	-	3,150
	Lead	mg/L		1	12/03/2024	12/03/2024	-	-	-	<0.001
	pH	pH		1	12/03/2024	12/03/2024	-	-	-	7.81
	Standing Water Level	metres		1	12/03/2024	12/03/2024	-	-	-	8.89
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 – 11 March 2024 (Evening)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC[1]**	**Identified Noise Sources**
Matong – TN2	6:05pm	34	3.9 / 131 / D	Birds (33), insects (26), **TCM (<20)**
Barbers Lagoon – TN3	7:37pm	52	2.7 / 109 / E	Traffic (52), insects (30), birds (29), **TCM (25)[1]**
Bungalow – TN4	6:55pm	44	3.8 / 117 / E	Insects (41), birds (39), traffic (36), **TCM (<20)**

1. Coal trucks on private haul road

Table 2 TCM Operational Noise Monitoring Results – 11-12 March 2024 (Night)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC**	**Identified Noise Sources**
Matong – TN2	1:05am	32	2.6 / 109 / E	Insects (32), **TCM (<20)**
Barbers Lagoon – TN3	10:32pm	33	1.6 / 148 / E	Insects (30), **TCM (30)**
Bungalow – TN4	11:45pm	41	2.9 / 107 / E	Dog (40), insects (34), traffic (23), **TCM (<20)**
Table 3 **TCM Operational Noise Monitoring Results – 12 March 2024 (Day)**				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC**	**Identified Noise Sources**
Matong – TN2	10:40am	34	2.4 / 222 / A	Birds (33), traffic (26), **TCM (20)**
Barbers Lagoon – TN3	2:17pm	53	3.8 / 179 / B	Traffic (53), birds (38), **TCM (<20)**
Bungalow – TN4	12:34pm	40	3.9 / 178 / B	Traffic (37), birds (37), **TCM (<20)**

Table 4 TCM Operational Noise Monitoring Results – 12 March 2024 (Evening)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC**	**Identified Noise Sources**
Matong – TN2	8:00pm	39	1.5 / 063 / E	Insects (39), **TCM (<20)**
Barbers Lagoon – TN3	9:27pm	33	1.1 / 061 / E	Insects (31), traffic (29), **TCM (<20)**
Bungalow – TN4	8:46pm	35	1.2 / 063 / E	Traffic (33), insects (31), **TCM (<20)**

Table 5 TCM Operational Noise Monitoring Results – 12-13 March 2024 (Night)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC**	**Identified Noise Sources**
Matong – TN2	12:21am	37	1.7 / 103 / E	Insects (37), **TCM (<20)**
Barbers Lagoon – TN3	1:40am	26	2.0 / 108 / E	Insects (26), **TCM (<20)**
Bungalow – TN4	11:02pm	38	1.8 / 079 / E	Traffic (35), insects (24), **TCM (26)**

Table 6 TCM Operational Noise Monitoring Results – 13 March 2024 (Day)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC**	**Identified Noise Sources**
Matong – TN2	10:32am	46	2.4 / 237 / B	Traffic (45), birds (40), insects (29), **TCM (<20)**
Barbers Lagoon – TN3	2:01pm	58	4.1 / 195 / B	Traffic (58), birds (33), insects (22), **TCM (<20)**
Bungalow – TN4	12:19pm	44	2.7 / 240 / B	Traffic (43), birds (38), **TCM (<20)**

Table 7 TCM Operational Noise Monitoring Results – 13 March 2024 (Evening)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC**	**Identified Noise Sources**
Matong – TN2	6:46pm	35	1.3 / 188 / E	Birds (35), insects (25), **TCM (<20)**
Barbers Lagoon – TN3	8:17pm	31	2.7 / 038 / F	Insects (31), **TCM (<20)**
Bungalow – TN4	7:35pm	29	1.2 / 057 / E	Insects (26), traffic (26), **TCM (<20)**

Table 8 TCM Operational Noise Monitoring Results – 13-14 March 2024 (Night)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC**	**Identified Noise Sources**
Matong – TN2	11:30pm	29	1.1 / 095 / E	Insects (29), **TCM (<20)**
Barbers Lagoon – TN3	10:11pm	58	1.7 / 068 / E	Traffic (58), insects (29), **TCM (<20)**
Bungalow – TN4	12:50am	30	1.2 / 133 / E	Insects (30), **TCM (<20)**

Table 9 TCM Operational Noise Monitoring Results – 14 March 2024 (Day)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC**	**Identified Noise Sources**
Matong – TN2	9:00am	62	1.9 / 244 / A	Birds (29), insects (29), **TCM (<20)**
Barbers Lagoon – TN3	12:20pm	56	2.4 / 268 / B	Traffic (56), birds (26), **TCM (<20)**
Bungalow – TN4	10:38am	36	2.3 / 259 / A	Traffic (35), birds (28), **TCM (24)**

Table 10 TCM Operational Noise Monitoring Results – 14 March 2024 (Evening)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC**	**Identified Noise Sources**
Matong – TN2	8:47pm	38	1.6 / 067 / E	Traffic (38), **TCM (21)**
Barbers Lagoon – TN3	6:34pm	56	0.7 / 216 / F	Traffic (56), birds (30), **TCM (<20)**
Bungalow – TN4	7:27pm	41	1.2 / 072 / E	Traffic (40), birds (33), **TCM (<20)**

Table 11 TCM Operational Noise Monitoring Results – 14-15 March 2024 (Night)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC**	**Identified Noise Sources**
Matong – TN2	1:05am	32	2.0 / 129 / E	Insects (32), **TCM (<20)**
Barbers Lagoon – TN3	11:50pm	31	1.6 / 050 / E	Insects (31), **TCM (20)**
Bungalow – TN4	10:37pm	41	1.6 / 058 / E	Traffic (40), insects (33), **TCM (31)**

Table 12 TCM Operational Noise Monitoring Results – 15 March 2024 (Day)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC**	**Identified Noise Sources**
Matong – TN2	9:34am	36	4.6 / 151 / C	Traffic (34), birds (31), **TCM (<20)**
Barbers Lagoon – TN3	1:05pm	62	5.2 / 136 / C	Traffic (62), wind in trees (33), **TCM (<20)**
Bungalow – TN4	11:22am	57	4.8 / 147 / C	Traffic (57), wind in trees (40), birds (38), **TCM (<20)**

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)

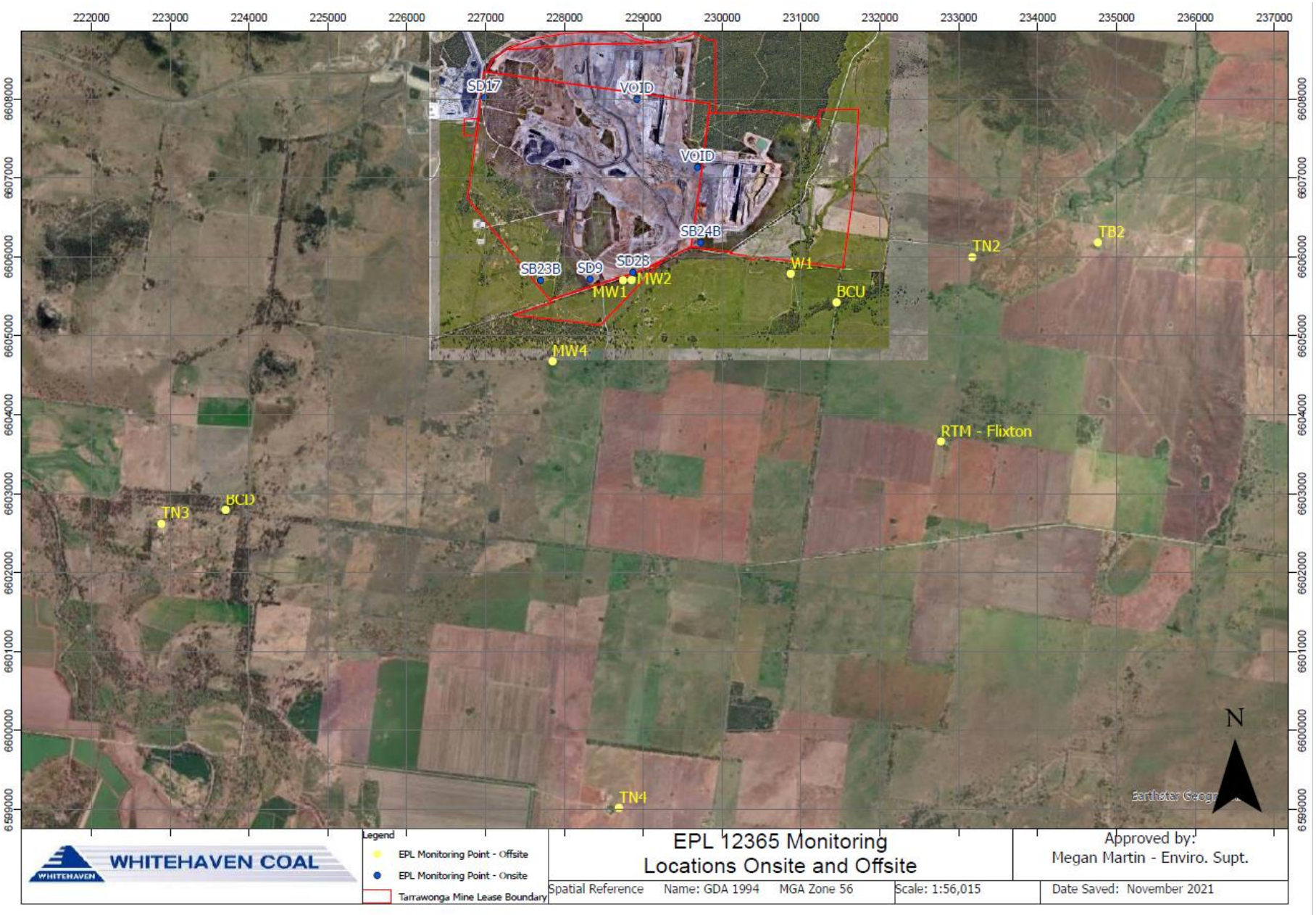
Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date of Max. Value Obtained
Coomalgah (TB2)	**Blast Noise**	**dB (Lin Peak)**	**Every Blast**	7	99.53	110.1	**120**	Nil	23/03/2024
	Blast Vibration	**mm/s**	**Every Blast**	7	0.23	0.47	**10**	**Nil**	05/03/2024

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	14.9	34.7

***Mine owned property – no limit apply*

Figure 1 – EPL 12365 Monitoring Locations



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: April 2024
Obtained Date: 14/05/2024
Publication Date: 14/05/2024

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

There was no quarterly Attended Noise Monitoring in April, 2024.

Table 5 – Monthly Monitoring (Blasts – Limits Apply)

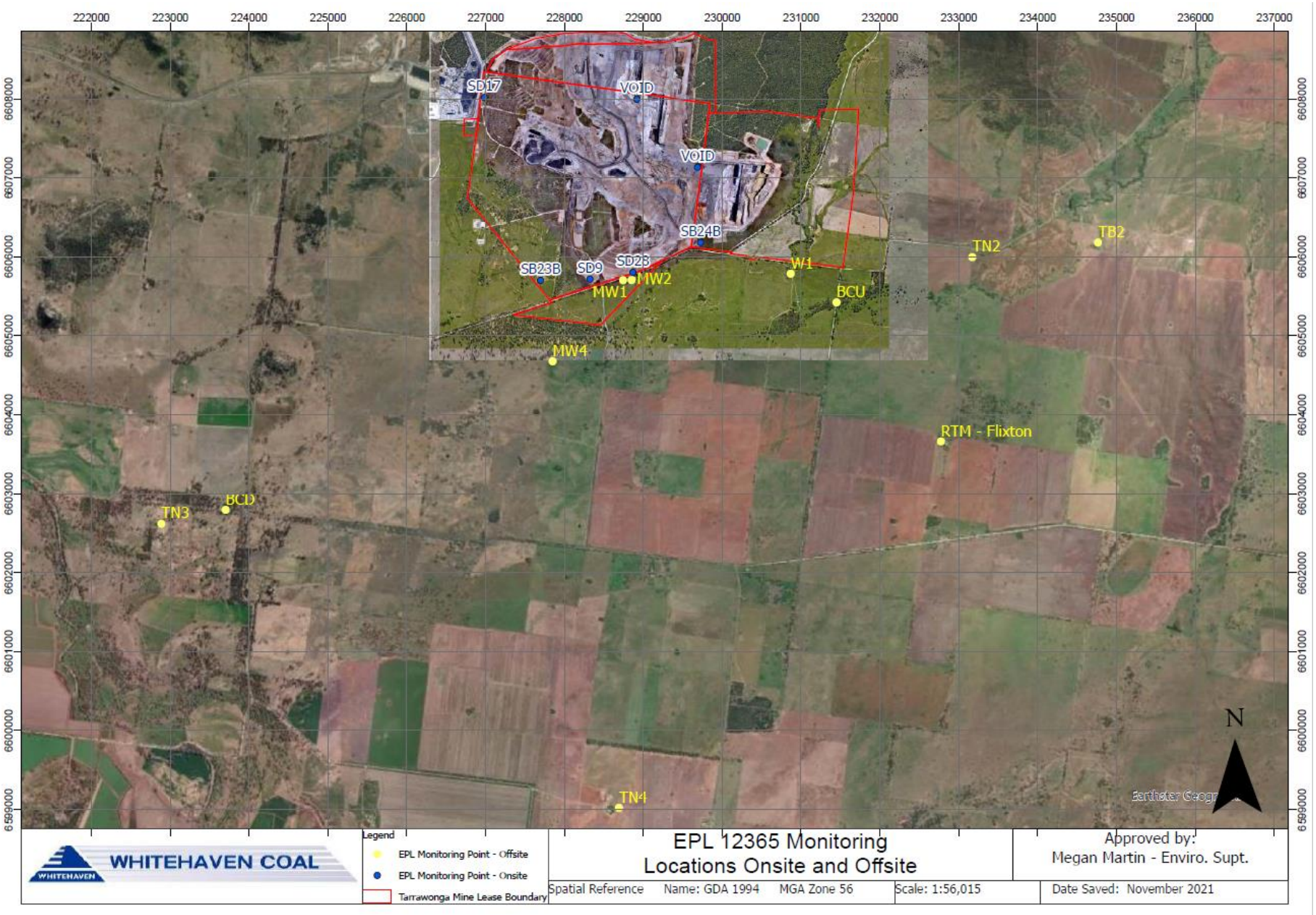
Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date of Max. Value Obtained
Coomalgah (TB2)	**Blast Noise**	**dB (Lin Peak)**	**Every Blast**	7	95.14	106.20	**120**	Nil	15/04/2024
	Blast Vibration	**mm/s**	**Every Blast**	7	0.20	0.51	**10**	**Nil**	15/04/2024

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	10.8	24.9

Mine owned property – no limit apply

Figure 1 – EPL 12365 Monitoring Locations



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: May 2024
Obtained Date: 13/05/2024
Publication Date: 14/05/2024

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	02/05/2024	02/05/2024	-	-	-	2,920
	Oil & Grease	mg/L		1	02/05/2024	02/05/2024	-	-	-	<5
	pH	pH		1	02/05/2024	02/05/2024	-	-	-	8.24
	TSS	mg/L		1	02/05/2024	02/05/2024	-	-	-	105

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 – Next monitoring in June

Table 5 – Monthly Monitoring (Blasts – Limits Apply)

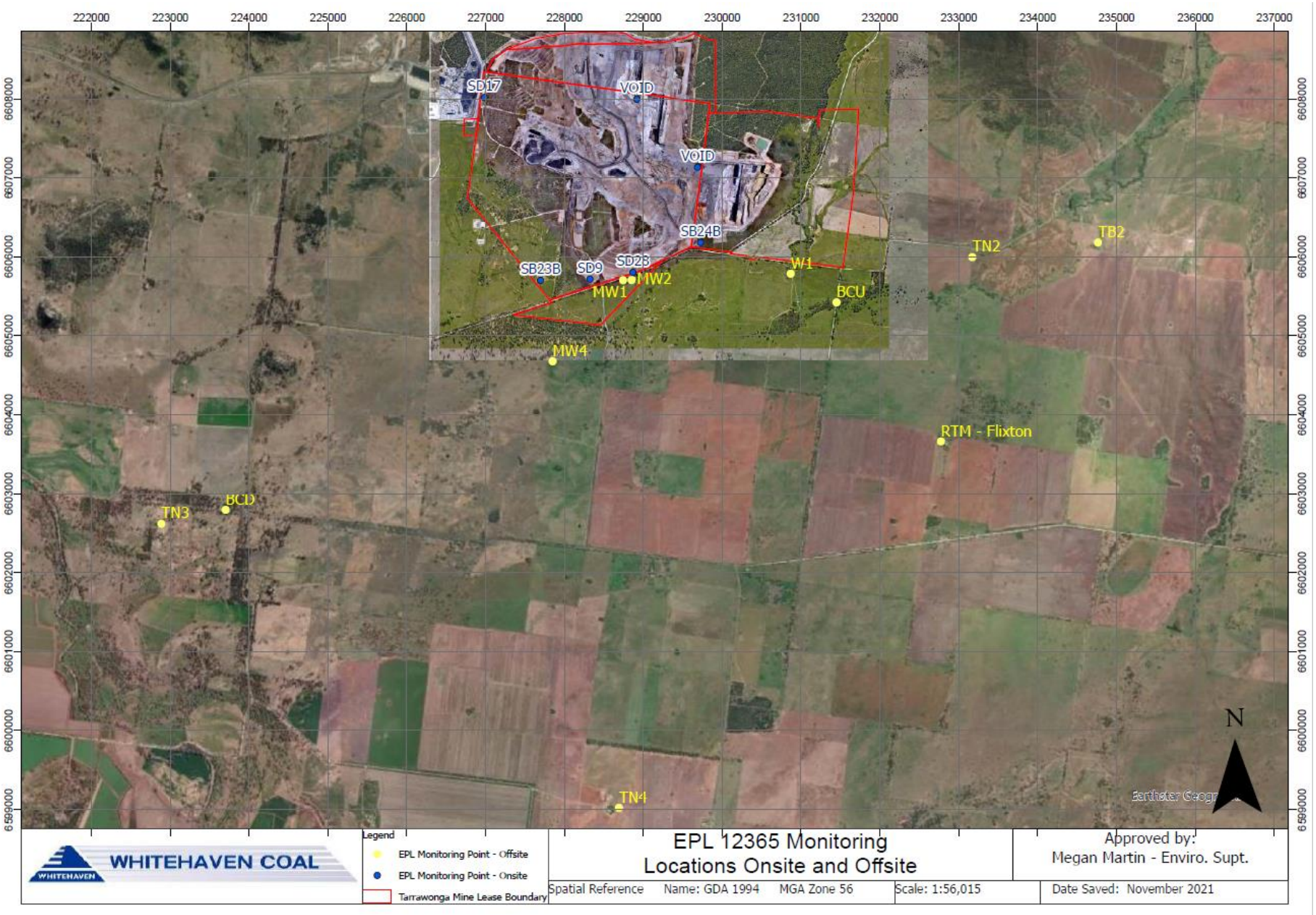
Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date of Max. Value Obtained
Coomalgah (TB2)	**Blast Noise**	**dB (Lin Peak)**	**Every Blast**	12	95.06	0.25	120	Nil	24/05/2024
	Blast Vibration	**mm/s**	**Every Blast**	12	111.2	0.98	10	Nil	24/05/2024

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	10.7	23.9

***Mine owned property – no limit apply*

Figure 1 – EPL 12365 Monitoring Locations



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: June 2024
Obtained Date: 17/07/2024
Publication Date: 18/07/2024

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		-	-	-	-	-	-	-	

	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 1
TCM Operational Noise Monitoring Results – 17 June 2024 (Evening)

Location	Time	Total dB(A), Leq (15 min)	Wind speed / direction / PSC[1]	Identified Noise Sources
Matong – TN2	8:20pm	28	0.5 / 133 / D	Birds (27), insects (22), **TCM (<20)**
Barbers Lagoon – TN3	6:30pm	25	1.1 / 273 / E	**TCM (25)**, traffic (21)
Bungalow – TN4	9:13pm	33	1.0 / 266 / E	**TCM (30)**, insects (29), traffic (22)

1. Coal trucks on private haul road

Table 2
TCM Operational Noise Monitoring Results – 17-18 June 2024 (Night)

Location	Time	Total dB(A), Leq (15 min)	Wind speed / direction / PSC	Identified Noise Sources
Matong – TN2	1:06am	23	2.0 / 031 / D	Insects (23), **TCM (<20)**
Barbers Lagoon – TN3	11:40pm	25	1.8 / 031 / E	**TCM (25)**
Bungalow – TN4	10:24pm	29	1.6 / 078 / E	**TCM (28)**, insects (21)

Table 3
TCM Operational Noise Monitoring Results – 18 June 2024 (Day)

Location	Time	Total dB(A), Leq (15 min)	Wind speed / direction / PSC	Identified Noise Sources
Matong – TN2	12:22pm	31	1.5 / 264 / A	Birds (30), traffic (24), **TCM (<20)**
Barbers Lagoon – TN3	3:53pm	48	1.4 / 264 / C	Traffic (48), birds (23), **TCM (<20)**
Bungalow – TN4	2:13pm	44	1.9 / 274 / C	Traffic (44), birds (27), **TCM (<20)**

Table 4
TCM Operational Noise Monitoring Results – 18 June 2024 (Evening)

Location	Time	Total dB(A), Leq (15 min)	Wind speed / direction / PSC	Identified Noise Sources
Matong – TN2	8:23pm	29	2.3 / 029 / D	Insects (28), **TCM (21)**
Barbers Lagoon – TN3	6:53pm	47	1.5 / 026 / D	Traffic (47), birds (26), **TCM (<20)**
Bungalow – TN4	7:34pm	30	2.0 / 202 / E	Birds (29), **TCM (24)**

Table 5
TCM Operational Noise Monitoring Results – 18-19 June 2024 (Night)

Location	Time	Total dB(A), Leq (15 min)	Wind speed / direction / PSC	Identified Noise Sources
Matong – TN2	10:11pm	21	1.7 / 025 / D	Cows (21), **TCM (<20)**
Barbers Lagoon – TN3	1:50am	23	1.5 / 040 / E	Birds (23), **TCM (<20)**
Bungalow – TN4	12:05am	24	1.0 / 038 / E	Insects (24), **TCM (<20)**

Table 6
TCM Operational Noise Monitoring Results – 19 June 2024 (Day)

Location	Time	Total dB(A), Leq (15 min)	Wind speed / direction / PSC	Identified Noise Sources
Matong – TN2	12:19pm	34	1.8 / 212 / B	Birds (34), cows (23), **TCM (<20)**
Barbers Lagoon – TN3	3:56pm	48	1.0 / 198 / C	Traffic (48), birds (22), **TCM (<20)**
Bungalow – TN4	2:13pm	30	1.6 / 241 / B	Birds (28), aeroplane (25), **TCM (<20)**

Table 7
TCM Operational Noise Monitoring Results – 19 June 2024 (Evening)

Location	Time	Total dB(A), Leq (15 min)	Wind speed / direction / PSC	Identified Noise Sources
Matong – TN2	7:51pm	28	1.5 / 028 / D	Cows (26), **TCM (23)**
Barbers Lagoon – TN3	6:14pm	54	1.4 / 087 / E	Traffic (54), birds (27), **TCM (<20)**
Bungalow – TN4	6:57pm	44	1.9 / 030 / D	Traffic (44), **TCM (<20)**

Table 8
TCM Operational Noise Monitoring Results – 19-20 June 2024 (Night)

Location	Time	Total dB(A), Leq (15 min)	Wind speed / direction / PSC	Identified Noise Sources
Matong – TN2	10:20pm	28	1.2 / 097 / E	Cows (27), **TCM (22)**
Barbers Lagoon – TN3	12:55am	24	1.4 / 064 / E	Birds (24), **TCM (<20)**
Bungalow – TN4	11:41pm	31	1.5 / 053 / E	Traffic (30), **TCM (22)**

Table 9
TCM Operational Noise Monitoring Results – 20 June 2024 (Day)

Location	Time	Total dB(A), Leq (15 min)	Wind speed / direction / PSC	Identified Noise Sources
Matong – TN2	10:53am	38	1.0 / 132 / B	Birds (37), **TCM (30)**
Barbers Lagoon – TN3	2:34pm	49	1.1 / 186 / C	Traffic (49), **TCM (27)**, birds (22)
Bungalow – TN4	12:50pm	42	1.6 / 206 / C	Traffic (42), birds (31), **TCM (24)**

Table 10
TCM Operational Noise Monitoring Results – 20 June 2024 (Evening)

Location	Time	Total dB(A), Leq (15 min)	Wind speed / direction / PSC	Identified Noise Sources
Matong – TN2	7:40pm	38	1.1 / 263 / E	Cows (38), **TCM (29)**
Barbers Lagoon – TN3	6:05pm	56	1.0 / 103 / E	Traffic (56), **TCM (24)**
Bungalow – TN4	6:48pm	44	1.6 / 251 / E	Traffic (44), **TCM (22)**

Table 11
TCM Operational Noise Monitoring Results – 20-21 June 2024 (Night)

Location	Time	Total dB(A), Leq (15 min)	Wind speed / direction / PSC	Identified Noise Sources
Matong – TN2	10:18pm	25	0.9 / 066 / E	Cows (25), **TCM (<20)**
Barbers Lagoon – TN3	12:53am	35	1.6 / 067 / E	Traffic (34), **TCM (27)**, frogs (22)
Bungalow – TN4	11:40pm	34	1.0 / 114 / E	Traffic (32), **TCM (28)**, frogs (22)

Table 12
TCM Operational Noise Monitoring Results – 21 June 2024 (Day)

Location	Time	Total dB(A), Leq (15 min)	Wind speed / direction / PSC	Identified Noise Sources
Matong – TN2	11:02am	34	3.4 / 300 / C	Birds (32), residential (30), **TCM (<20)**
Barbers Lagoon – TN3	2:37pm	52	4.8 / 279 / D	Traffic (52), birds (30), **TCM (<20)**
Bungalow – TN4	12:56pm	48	5.4 / 282 / D	Traffic (48), birds (25), **TCM (<20)**

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

Table 13
TCM Sleep Disturbance Monitoring Results – 17-18 June 2024 (Night)

Location	Time	dB(A) L1 (1 min)[1]	dB(A) L1 (1 min)[2]	L1 Source	Wind speed / direction / PSC
Matong – TN2	1:06am	47	<20	Insects	2.0 / 031 / D
Barbers Lagoon – TN3	11:40pm	31	31	General mine hum	1.8 / 031 / E

Bungalow – TN4	10:24pm	35	35	General mine hum	1.6 / 078 / E

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

Table 14
TCM Sleep Disturbance Monitoring Results – 18-19 June 2024 (Night)

Location	Time	dB(A) L1 (1 min)[1]	dB(A) L1 (1 min)[2]	L1 Source	Wind speed / direction / PSC
Matong – TN2	10:11pm	31	<20	Cows	1.7 / 025 / D
Barbers Lagoon – TN3	1:50am	30	<20	Birds	1.5 / 040 / E
Bungalow – TN4	12:05am	41	<20	Insects	1.0 / 038 / E

Table 15
TCM Sleep Disturbance Monitoring Results – 19-20 June 2024 (Night)

Location	Time	dB(A) L1 (1 min)[1]	dB(A) L1 (1 min)[2]	L1 Source	Wind speed / direction / PSC
Matong – TN2	10:20pm	37	25	Cows	1.2 / 097 / E
Barbers Lagoon – TN3	12:55am	29	<20	Bird	1.4 / 064 / E
Bungalow – TN4	11:41pm	39	26	Car	1.5 / 053 / E

Table 16
TCM Sleep Disturbance Monitoring Results – 20-21 June 2024 (Night)

Location	Time	dB(A) L1 (1 min)[1]	dB(A) L1 (1 min)[2]	L1 Source	Wind speed / direction / PSC
Matong – TN2	10:18pm	41	<20	Cows	0.9 / 066 / E
Barbers Lagoon – TN3	12:53am	4	35	Traffic	1.6 / 067 / E
Bungalow – TN4	11:40pm	47	33	Traffic	1.0 / 114 / E

The results in Tables 13 to 16 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)

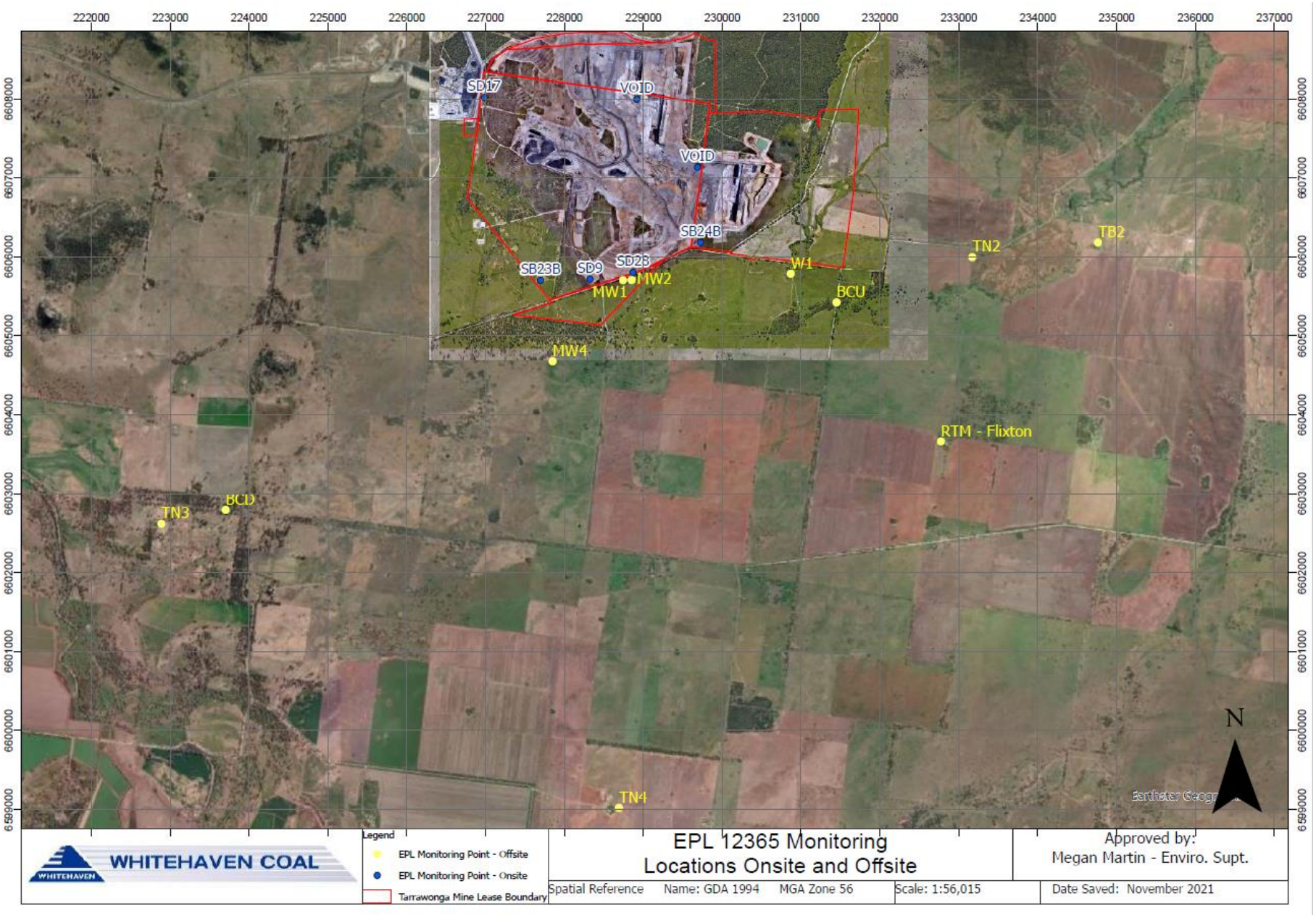
Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date of Max. Value Obtained
Coomalgah (TB2)	**Blast Noise**	**dB (Lin Peak)**	**Every Blast**	8	97.89	103.20	120	Nil	05/06/2024
	Blast Vibration	**mm/s**	**Every Blast**	8	0.18	0.31	**10**	**Nil**	12/06 & 26/06/2024

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	0.8	9.83	22.3

***Mine owned property – no limit apply*

Figure 1 – EPL 12365 Monitoring Locations



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: July 2024
Obtained Date: 13/08/2024
Publication Date: 15/08/2024

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 for the period of July, next monitoring to occur in September 2024

Table 5 – Monthly Monitoring (Blasts – Limits Apply)

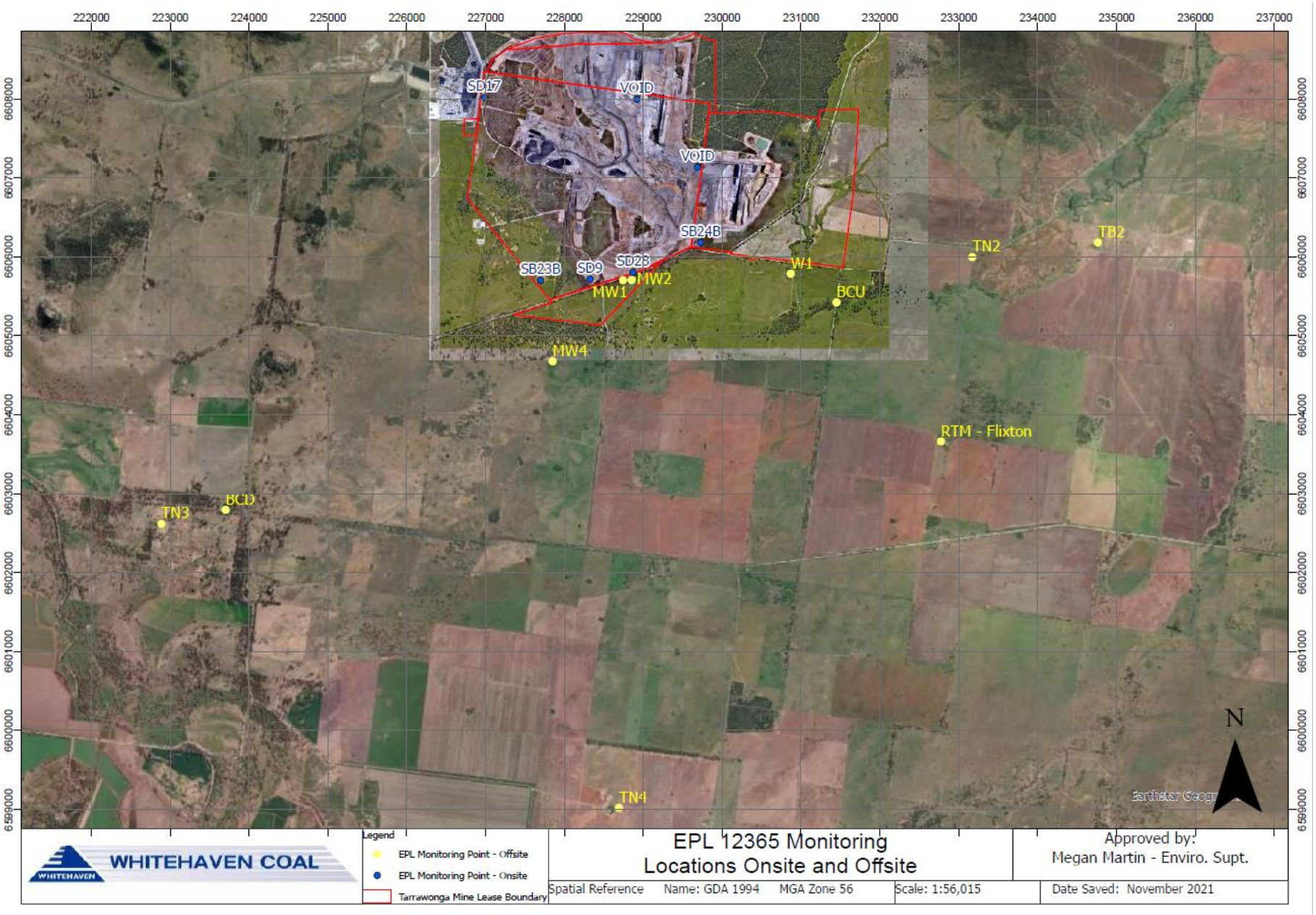
Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date of Max. Value Obtained
Coomalgah (TB2)	**Blast Noise**	**dB (Lin Peak)**	**Every Blast**	12	96.5	104.7	120	Nil	03/07/2024
	Blast Vibration	**mm/s**	**Every Blast**	12	0.16	0.27	10	Nil	17/07/2024

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	3.6	8.45	21

***Mine owned property – no limit apply*

Figure 1 – EPL 12365 Monitoring Locations



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: August 2024
Obtained Date: 9/09/2024
Publication Date: 15/09/2024

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	-	-	-	-	-	-		BCU not flowing, sampled at GCU as an indicator of upstream levels.
	Conductivity	µS/cm		-	-	-	-	-	-		
	Oil & Grease	mg/L		-	-	-	-	-	-		
	pH	pH		-	-	-	-	-	-		
6	TSS	mg/L	Upon discharge	1	06/08/2024	06/08/2024	-	-	-	32	-
	Conductivity	µS/cm		1	06/08/2024	06/08/2024	-	-	-	83	
	Oil & Grease	mg/L		1	06/08/2024	06/08/2024	-	-	-	<5	
	pH	pH		1	06/08/2024	06/08/2024	-	-	-	7.02	

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	1	06/08/2024	06/08/2024	-	229	50	No	Sample taken after major rain event, therefor limit for TSS does not apply.
	Conductivity	µS/cm		1	06/08/2024	06/08/2024	-	284	-	No	
	Oil & Grease	mg/L		1	06/08/2024	06/08/2024	-	<5	10	No	
	pH	pH		1	06/08/2024	06/08/2024	-	7.68	6.5-8.5	No	
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	1	06/08/2024	06/08/2024	-	1,100	50	No	Sample taken after major rain event, therefor limit for TSS does not apply.
	Conductivity	µS/cm		1	06/08/2024	06/08/2024	-	299	-	No	
	Oil & Grease	mg/L		1	06/08/2024	06/08/2024	-	<5	10	No	
	pH	pH		1	06/08/2024	06/08/2024	-	7.42	6.5-8.5	No	

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	07/08/2024	07/08/2024	-	-	-	432
	Oil & Grease	mg/L		1	07/08/2024	07/08/2024	-	-	-	<5
	pH	pH		1	07/08/2024	07/08/2024	-	-	-	8.7
	TSS	mg/L		1	07/08/2024	07/08/2024	-	-	-	1,520

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)

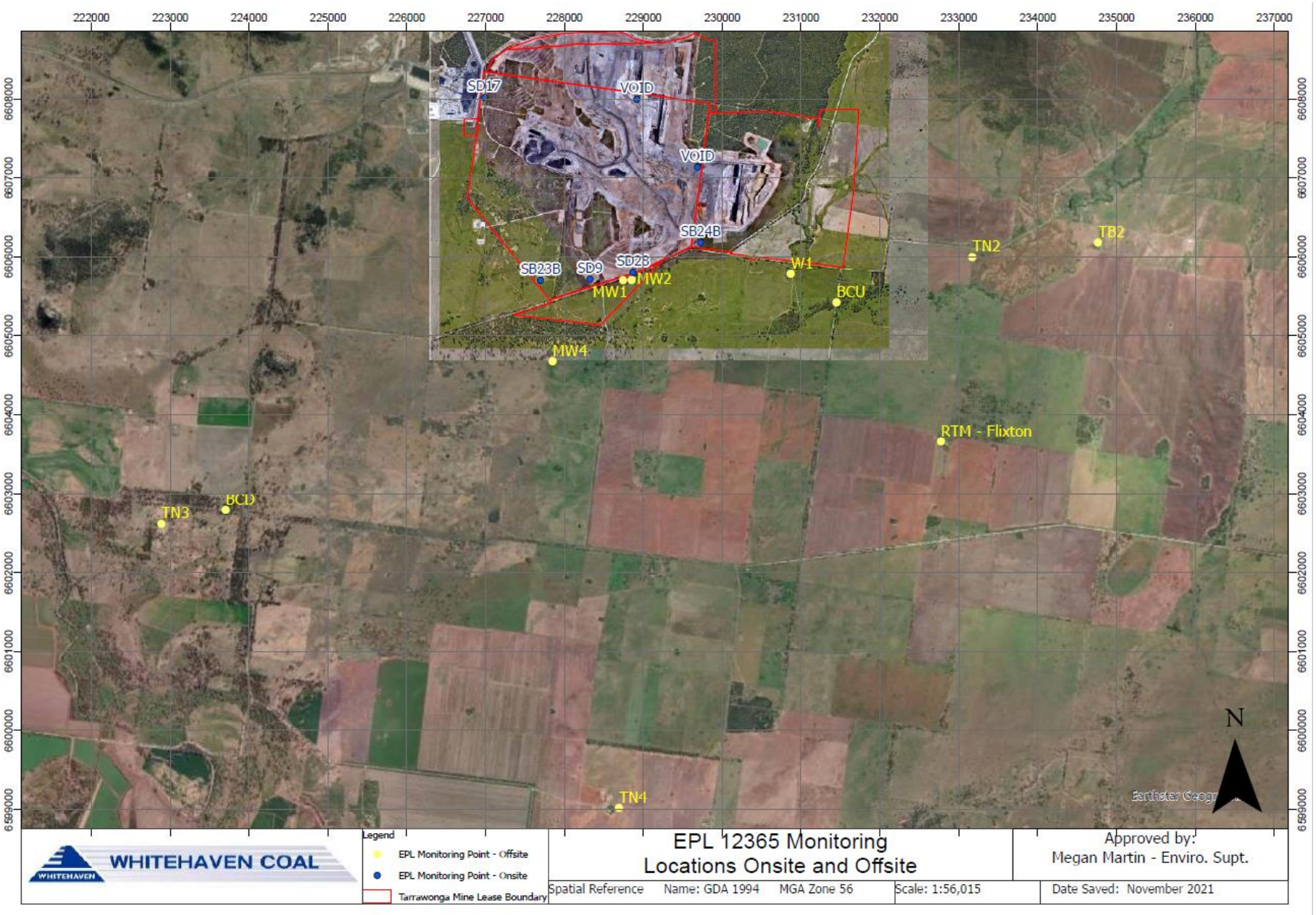
Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date of Max. Value Obtained
Coomalgah (TB2)	**Blast Noise**	**dB (Lin Peak)**	**Every Blast**	7	96.14	106.3	120	Nil	21/08/2024
	Blast Vibration	**mm/s**	**Every Blast**	7	105.48	0.31	**10**	**Nil**	21/08/2024

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	5.13	18.6	34.7

***Mine owned property – no limit apply*

Figure 1 – EPL 12365 Monitoring Locations



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: September 2024
Obtained Date: 10/10/2024
Publication Date: 14/10/2024

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	28/09/2024	28/09/2024	-	-	-	3600
	Lead	mg/L		1	28/09/2024	28/09/2024	-	-	-	< 0.0001
	pH	pH		1	28/09/2024	28/09/2024	-	-	-	7.80
	Standing Water Level	metres		1	28/09/2024	28/09/2024	-	-	-	6.28
10	Conductivity	µS/cm	6 monthly – (Mar- Sep)	1	28/09/2024	28/09/2024	-	-	-	859
	Lead	mg/L		1	28/09/2024	28/09/2024	-	-	-	< 0.0001
	pH	pH		1	28/09/2024	28/09/2024	-	-	-	7.10
	Standing Water Level	metres		1	28/09/2024	28/09/2024	-	-	-	6.31
12	Conductivity	µS/cm	6 monthly – (Mar- Sep)	1	28/09/2024	28/09/2024	-	-	-	3150
	Lead	mg/L		1	28/09/2024	28/09/2024	-	-	-	< 0.0001
	pH	pH		1	28/09/2024	28/09/2024	-	-	-	7.65
	Standing Water Level	metres		1	28/09/2024	28/09/2024	-	-	-	6.62
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 – 16 September 2024 (Evening)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC[1]**	**Identified Noise Sources**
Matong – TN2	8:35pm	29	1.3 / 174 / F	Traffic (27), cows (24), **TCM (<20)**
Barbers Lagoon – TN3	7:06pm	45	0.5 / 286 / E	Traffic (45), **TCM (<20)**
Bungalow – TN4	7:45pm	41	0.9 / 191 / E	Traffic (41), insects (23), **TCM (<20)**

1. Coal trucks on private haul road

Table 2 TCM Operational Noise Monitoring Results – 16-17 September 2024 (Night)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC**	**Identified Noise Sources**
Matong – TN2	10:00pm	29	1.7 / 061 / E	Cows (28), traffic (21), **TCM (<20)**
Barbers Lagoon – TN3	11:20pm	27	1.7 / 044 / E	Dogs (27), **TCM (<20)**
Bungalow – TN4	12:32am	27	1.5 / 046 / E	**TCM (27)**

Table 3 TCM Operational Noise Monitoring Results – 17 September 2024 (Day)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC**	**Identified Noise Sources**
Matong – TN2	2:25pm	35	2.9 / 235 / C	Birds (35), **TCM (<20)**
Barbers Lagoon – TN3	11:04am	52	2.2 / 235 / B	Traffic (52), birds (32), **TCM (<20)**
Bungalow – TN4	12:45pm	43	2.5 / 245 / B	Traffic (43), birds (25), **TCM (<20)**

Table 4 TCM Operational Noise Monitoring Results – 17 September 2024 (Evening)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC**	**Identified Noise Sources**
Matong – TN2	9:09pm	29	1.9 / 053 / E	Cows (29), **TCM (<20)**
Barbers Lagoon – TN3	7:40pm	27	1.8 / 056 / E	Traffic (23), **TCM (22)**, birds (21)
Bungalow – TN4	8:19pm	25	1.5 / 039 / D	Traffic (23), **TCM (21)**

Table 5 TCM Operational Noise Monitoring Results – 17-18 September 2024 (Night)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC**	**Identified Noise Sources**
Matong – TN2	10:00pm	24	2.0 / 052 / E	**TCM (24)**
Barbers Lagoon – TN3	12:35am	30	2.0 / 040 / E	**TCM (27)**, birds (27)
Bungalow – TN4	11:26pm	47	1.6 / 059 / E	Traffic (47), dogs (23), **TCM (<20)**

Table 6 TCM Operational Noise Monitoring Results – 18 September 2024 (Day)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC**	**Identified Noise Sources**
Matong – TN2	2:19pm	45	4.1 / 293 / C	Traffic (44), birds (38), **TCM (<20)**
Barbers Lagoon – TN3	10:49am	53	3.5 / 286 / C	Traffic (53), birds (38), insects (23), **TCM (<20)**
Bungalow – TN4	12:29pm	33	4.2 / 294 / C	Birds (33), **TCM (<20)**

Table 7 TCM Operational Noise Monitoring Results – 18 September 2024 (Evening)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC**	**Identified Noise Sources**
Matong – TN2	8:36pm	23	1.7 / 024 / E	Traffic (23), **TCM (<20)**
Barbers Lagoon – TN3	7:04pm	26	1.6 / 113 / D	Dogs (24), **TCM (22)**
Bungalow – TN4	7:45pm	25	2.2 / 035 / E	Insects (25), **TCM (<20)**

Table 8 TCM Operational Noise Monitoring Results – 18-19 September 2024 (Night)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC**	**Identified Noise Sources**
Matong – TN2	10:03pm	24	1.9 / 028 / E	Cows (24), **TCM (<20)**
Barbers Lagoon – TN3	12:33am	29	1.7 / 038 / E	**TCM (27)**, insects (25)
Bungalow – TN4	11:21pm	22	2.0 / 025 / E	Dogs (22), **TCM (<20)**

Table 9 TCM Operational Noise Monitoring Results – 19 September 2024 (Day)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC**	**Identified Noise Sources**
Matong – TN2	1:34pm	46	6.0 / 307 / C	Traffic (46), birds (35), **TCM (<20)**
Barbers Lagoon – TN3	10:02am	53	5.0 / 303 / C	Traffic (53), birds (34), **TCM (<20)**
Bungalow – TN4	11:43am	45	5.8 / 306 / C	Traffic (45), birds (34), **TCM (<20)**

Table 10 TCM Operational Noise Monitoring Results – 19 September 2024 (Evening)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC**	**Identified Noise Sources**
Matong – TN2	8:47pm	23	0.8 / 168 / E	Dogs (23), **TCM (<20)**
Barbers Lagoon – TN3	7:12pm	23	4.2 / 264 / D	Birds (23), **TCM (<20)**
Bungalow – TN4	7:54pm	23	1.8 / 297 / E	Birds (23), **TCM (<20)**

Table 11 TCM Operational Noise Monitoring Results – 19-20 September 2024 2024 (Night)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC**	**Identified Noise Sources**
Matong – TN2	10:10pm	22	2.1 / 037 / E	Birds (22), **TCM (<20)**
Barbers Lagoon – TN3	12:54am	23	1.7 / 045 / E	Insects (23), **TCM (<20)**
Bungalow – TN4	11:42pm	23	1.4 / 129 / F	Traffic (23), **TCM (<20)**

Table 12 TCM Operational Noise Monitoring Results – 20 September 2024 (Day)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC**	**Identified Noise Sources**
Matong – TN2	9:22am	45	1.4 / 273 / A	Birds (45), traffic (31), **TCM (<20)**
Barbers Lagoon – TN3	11:18am	42	1.9 / 236 / A	Traffic (40), birds (38), **TCM (<20)**
Bungalow – TN4	12:59pm	39	2.5 / 250 / B	Birds (39), **TCM (<20)**

Table 5 – Monthly Monitoring (Blasts – Limits Apply)

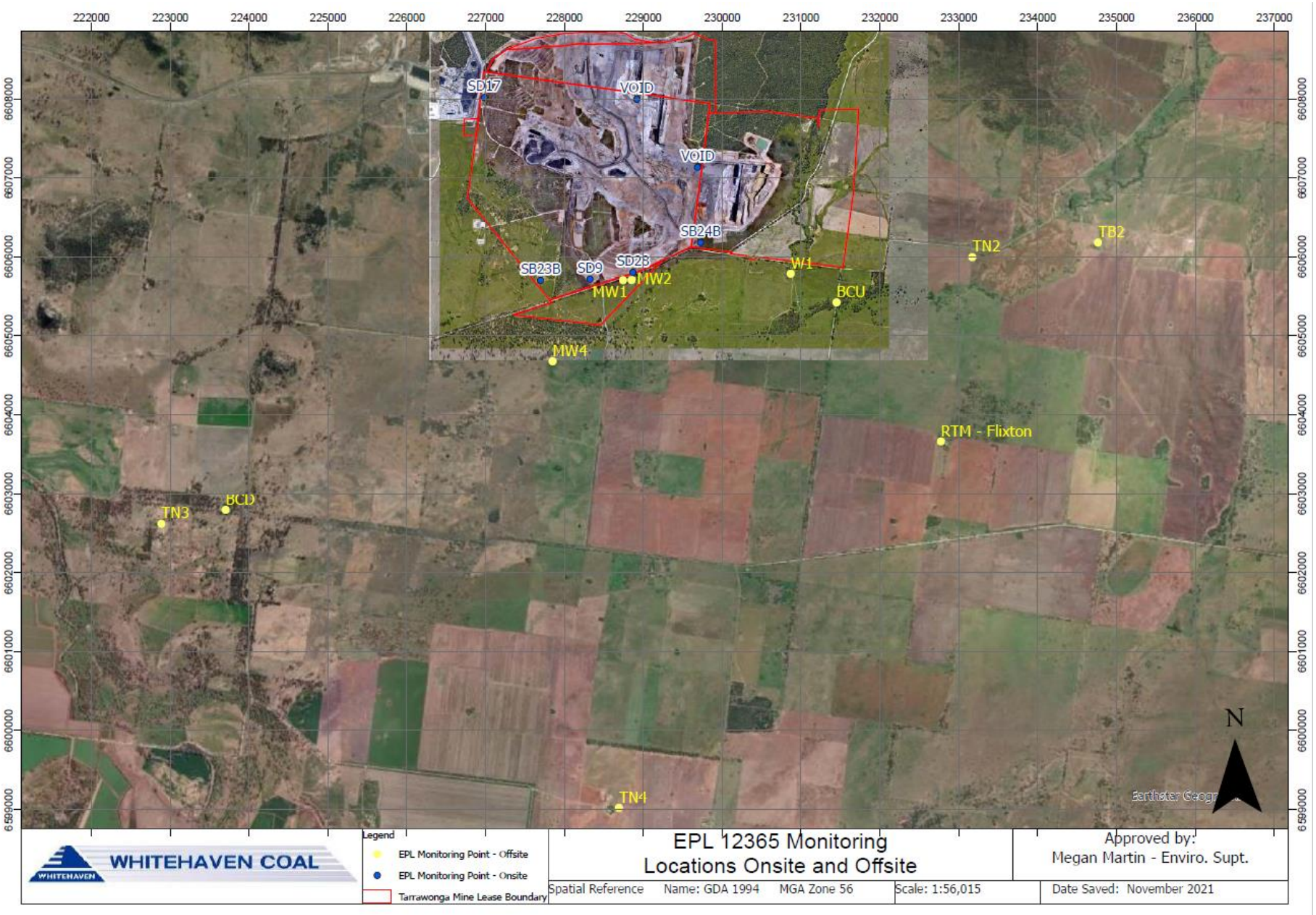
Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date of Max. Value Obtained
Coomalgah (TB2)	**Blast Noise**	**dB (Lin Peak)**	**Every Blast**	7	95.3	98.8	120	Nil	25/09/24
	Blast Vibration	**mm/s**	**Every Blast**	7	0.26	0.39	**10**	**Nil**	25/09/24

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	5.13	18.6	34.7

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

Figure 1 – EPL 12365 Monitoring Locations



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: October 2024
Obtained Date: 6/11/2024
Publication Date: 12/11/2024

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	-	-	-	-	-	-		Creek not flowing
	Conductivity	µS/cm		-	-	-	-	-	-		
	Oil & Grease	mg/L		-	-	-	-	-	-		
	pH	pH		-	-	-	-	-	-		
6	TSS	mg/L	Upon discharge	-	-	-	-	-	-		Creek not flowing
	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	-	-	-	-	-	-	-	No discharge
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	
2	TSS	mg/L	Upon discharge	1	4/10/2024	4/10/2024	-	<5	50	No	Controlled discharge
	Conductivity	µS/cm		1	4/10/2024	4/10/2024	-	638	NA	NA	
	Oil & Grease	mg/L		1	4/10/2024	4/10/2024	-	<5	10	No	
	pH	pH		1	4/10/2024	4/10/2024	-	8.25	6.5-8.5	No	
3	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	No discharge
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	
24	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	No 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	-	-	-	-	-	-	-	No discharge
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	
27	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	No 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 conducted in October

Table 5 – Monthly Monitoring (Blasts – Limits Apply)

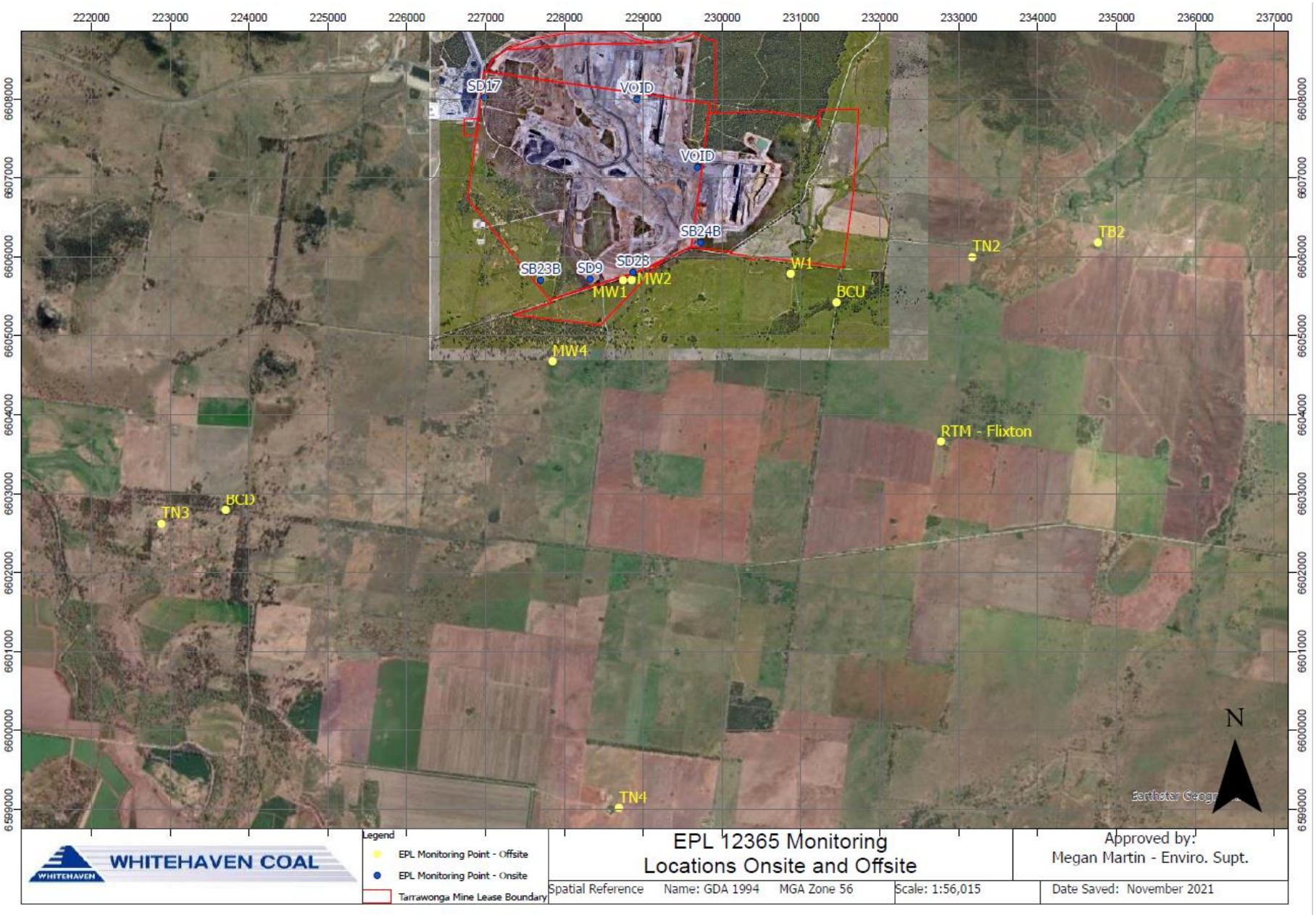
Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date of Max. Value Obtained
Coomalgah (TB2)	**Blast Noise**	**dB (Lin Peak)**	**Every Blast**	11	92.7	99.5	120	Nil	1/10/2024
	Blast Vibration	**mm/s**	**Every Blast**	11	0.18	0.5	10	Nil	5/10/2024

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

Location	No. of samples required by license	Lowest sample value	Mean of sample	Highest sample value
"Flixton" property* TEOM (µg/m^3)	Continuous	6	8.5	10.7

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

Figure 1 – EPL 12365 Monitoring Locations



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: November 2024
Obtained Date: 6/11/2024
Publication Date: 12/11/2024

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	28/11/2024	28/11/2024	-	-	-	
	Oil & Grease	mg/L		1	28/11/2024	28/11/2024	-	-	-	-
	pH	pH		1	28/11/2024	28/11/2024	-	-	-	8.44*
	TSS	mg/L		1	28/11/2024	28/11/2024	-	-	-	-

*Field value only, awaiting lab results for all parameters. Will be reported in January.

Table 4 – Quarterly Attended Noise Monitoring

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

No noise monitoring conducted in November

Table 5 – Monthly Monitoring (Blasts – Limits Apply)

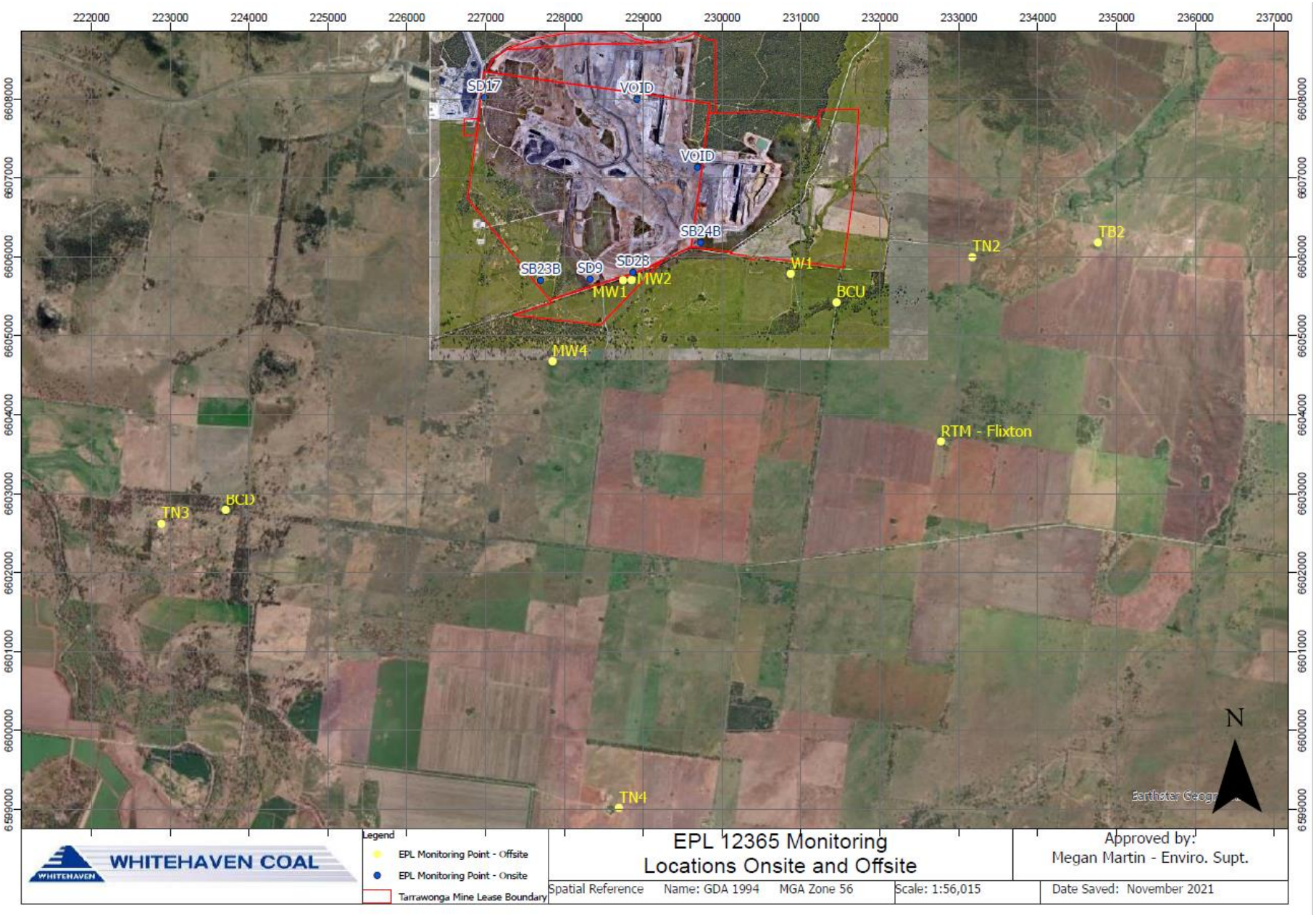
Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date of Max. Value Obtained
Coomalgah (TB2)	**Blast Noise**	**dB (Lin Peak)**	**Every Blast**	10	95.62	107.1	120	Nil	13/11/2024
	Blast Vibration	**mm/s**	**Every Blast**	10	0.15	0.39	10	Nil	25/11/2024

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

Location	No. of samples required by license	Lowest sample value	Mean of sample	Highest sample value
"Flixton" property* TEOM (µg/m^3)	Continuous	6	8.5	10.7

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

Figure 1 – EPL 12365 Monitoring Locations



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: December 2024
Obtained Date: 8/01/2025
Publication Date: 13/01/2025

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	-	-	-	-	-	-		-
	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	28/11/2024	28/11/2024	-	-	-	3,120
	Oil & Grease	mg/L		1	28/11/2024	28/11/2024	-	-	-	<5
	pH	pH		1	28/11/2024	28/11/2024	-	-	-	8.54
	TSS	mg/L		1	28/11/2024	28/11/2024	-	-	-	84

*Results from Novembers sampling period received during December and reported on in the December reporting period.

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 – 9 December 2024 (Evening)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC**	**Identified Noise Sources**
Matong – TN2	7:41pm	35	0.9 / 249 / E	Insects (34), **TCM (29)**
Barbers Lagoon – TN3	6:07pm	48	2.8 / 250 / E	Traffic (48), insects (31), birds (23), **TCM (<20)**
Bungalow – TN4	6:50pm	29	2.0 / 221 / E	Insects (28), **TCM (22)**

Table 2 TCM Operational Noise Monitoring Results – 9-10 December 2024 (Night)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC**	**Identified Noise Sources**
Matong – TN2	10:11pm	34	1.4 / 087 / E	Insects (33), **TCM (28)**
Barbers Lagoon – TN3	12:34am	32	1.3 / 050 / D	Insects (32), **TCM (<20)**
Bungalow – TN4	11:27pm	32	1.3 / 090 / E	Insects (32), **TCM (<20)**

Table 3 TCM Operational Noise Monitoring Results – 10 December 2024 (Day)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC**	**Identified Noise Sources**
Matong – TN2	12:54pm	38	3.0 / 206 / B	Aeroplanes (35), birds (32), wind in trees (29), insects (29), **TCM (<20)**
Barbers Lagoon – TN3	9:21am	45	2.4 / 296 / B	Traffic (45), birds (35), **TCM (<20)**
Bungalow – TN4	11:03am	42	1.6 / 193 / B	Traffic (42), birds (28), insects (23), **TCM (<20)**

Table 4 TCM Operational Noise Monitoring Results – 10 December 2024 (Evening)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC**	**Identified Noise Sources**
Matong – TN2	6:06pm	38	4.0 / 203 / D	Traffic (37), insects (29), birds (28), **TCM (<20)**
Barbers Lagoon – TN3	7:41pm	56	1.1 / 208 / E	Birds (54), traffic (50), insects (27), **TCM (<20)**
Bungalow – TN4	7:00pm	52	2.2 / 190 / D	Traffic (52), birds (26), insects (24), **TCM (<20)**

Table 5 TCM Operational Noise Monitoring Results – 10-11 December 2024 (Night)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC**	**Identified Noise Sources**
Matong – TN2	1:21am	31	1.5 / 131 / E	Traffic (30), insects (21), **TCM (<20)**
Barbers Lagoon – TN3	10:12pm	40	0.9 / 132 / E	Traffic (39), insects (32), **TCM (27)**
Bungalow – TN4	11:24pm	35	2.3 / 168 / E	Traffic (33), insects (28), **TCM (27)**

Table 6 TCM Operational Noise Monitoring Results – 11 December 2024 (Day)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC**	**Identified Noise Sources**
Matong – TN2	1:26pm	44	4.0 / 187 / B	Traffic (42), birds (40), insects (23), **TCM (<20)**
Barbers Lagoon – TN3	10:13am	40	2.3 / 187 / B	Birds (39), traffic (32), insects (22), **TCM (<20)**
Bungalow – TN4	11:50am	35	3.8 / 187 / B	Traffic (33), birds (30), insects (25), **TCM (<20)**

Table 7 TCM Operational Noise Monitoring Results – 11 December 2024 (Evening)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC**	**Identified Noise Sources**
Matong – TN2	7:55pm	55	1.8 / 212 / E	Traffic (55), birds (41), insects (24), **TCM (<20)**
Barbers Lagoon – TN3	6:05pm	45	4.6 / 212 / D	Traffic (44), birds (38), insects (24), **TCM (<20)**
Bungalow – TN4	6:52pm	45	3.1 / 222 / E	Traffic (45), birds (31), insects (21), **TCM (<20)**

Table 8 TCM Operational Noise Monitoring Results – 11-12 December 2024 (Night)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC**	**Identified Noise Sources**
Matong – TN2	12:41am	38	1.9 / 044 / E	Agricultural (38), insects (21), **TCM (<20)**
Barbers Lagoon – TN3	10:04pm	28	1.5 / 042 / E	Traffic (27), insects (21), **TCM (<20)**
Bungalow – TN4	11:13pm	57	1.7 / 134 / E	Traffic (57), insects (27), **TCM (<20)**

Table 9 TCM Operational Noise Monitoring Results – 12 December 2024 (Day)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC**	**Identified Noise Sources**
Matong – TN2	12:52pm	28	3.2 / 261 / B	Insects (28), **TCM (<20)**
Barbers Lagoon – TN3	9:21am	49	3.2 / 259 / B	Traffic (49), birds (33), **TCM (<20)**
Bungalow – TN4	11:02am	44	3.9 / 283 / B	Birds (44), traffic (33), **TCM (<20)**

Table 10 TCM Operational Noise Monitoring Results – 12 December 2024 (Evening)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC**	**Identified Noise Sources**
Matong – TN2	6:26pm	31	3.9 / 262 / D	Insects (31), **TCM (<20)**
Barbers Lagoon – TN3	7:50pm	32	1.1 / 274 / E	Insects (32), **TCM (<20)**
Bungalow – TN4	7:08pm	32	2.5 / 249 / E	Insects (32), **TCM (<20)**

Table 11 TCM Operational Noise Monitoring Results – 12-13 December 2024 (Night)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC**	**Identified Noise Sources**
Matong – TN2	12:42am	31	1.4 / 053 / E	Insects (30), cows (23), **TCM (<20)**
Barbers Lagoon – TN3	10:09pm	32	1.7 / 035 / E	Insects (32), **TCM (20)**
Bungalow – TN4	11:20pm	32	1.9 / 037 / E	Insects (32), **TCM (<20)**

Table 12 TCM Operational Noise Monitoring Results – 13 December 2024 (Day)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC**	**Identified Noise Sources**
Matong – TN2	1:19pm	37	4.5 / 273 / C	Insects (35), wind in trees (30), birds (29), **TCM (<20)**
Barbers Lagoon – TN3	9:22am	62	5.2 / 298 / C	Insects (61), birds (53), tractor (36), **TCM (<20)**
Bungalow – TN4	11:21am	41	6.1 / 302 / C	Insects (38), traffic (37), birds (30), **TCM (<20)**

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**	6	98.62	108.3	120	Nil	16/12/2024
	Blast Vibration	**mm/s**	**Every Blast**	6	0.16	0.20	10	Nil	20/12/2024

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

Location	No. of samples required by license	Lowest sample value	Mean of sample	Highest sample value
"Flixton" property* TEOM (µg/m^3)	Continuous	0	7.32	20.4

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

Figure 1 – EPL 12365 Monitoring Locations