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 2022
Obtained Date: 7/02/2022
Publication Date: 14/02/2022

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	0	-	-	-	-	-	-	-
	Conductivity	µS/cm		0	-	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-	-
6	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-	-
	Conductivity	µS/cm		0	-	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-	-

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	19/2	19/2	-	156	50	No	TSS Limit not applicable due to discharge >38.4mm over 5 days.
	Conductivity	µS/cm		1	19/2	19/2	-	214	NA	NA	
	Oil & Grease	mg/L		1	19/2	19/2	-	<5	10	No	
	pH	pH		1	19/2	19/2	-	6.87	6.5-8.5	No	
2	TSS	mg/L	Upon discharge	2	19/2, 25/2	19/2	30	110	50	No	TSS Limit not applicable due to discharge >38.4mm over 5 days.
	Conductivity	µS/cm		2	19/2, 25/2	25/2	360	370	NA	NA	
	Oil & Grease	mg/L		2	19/2, 25/2		<5	<5	10	No	
	pH	pH		2	19/2, 25/2	25/2	7.04	7.96	6.5-8.5	No	
3	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-	-
	Conductivity	µS/cm		0	-	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-	-
24	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-	-
	Conductivity	µS/cm		0	-	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-	-

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		0	-	-	-	-	-	-	-
26	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-	-
	Conductivity	µS/cm		0	-	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-	-
27	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-	-
	Conductivity	µS/cm		0	-	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-	-

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)	0	-	-	-	-	-	-
	Lead	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Standing Water Level	metres		0	-	-	-	-	-	-
10	Conductivity	µS/cm	6 monthly – (Mar- Sep)	0	-	-	-	-	-	-
	Lead	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Standing Water Level	metres		0	-	-	-	-	-	-
12	Conductivity	µS/cm	6 monthly – (Mar- Sep)	0	-	-	-	-	-	-
	Lead	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Standing Water Level	metres		0	-	-	-	-	-	-
13	Conductivity	µS/cm	Quarterly - (Feb, May, Aug, Nov)	0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	TSS	mg/L		0	-	-	-	-	-	-

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)

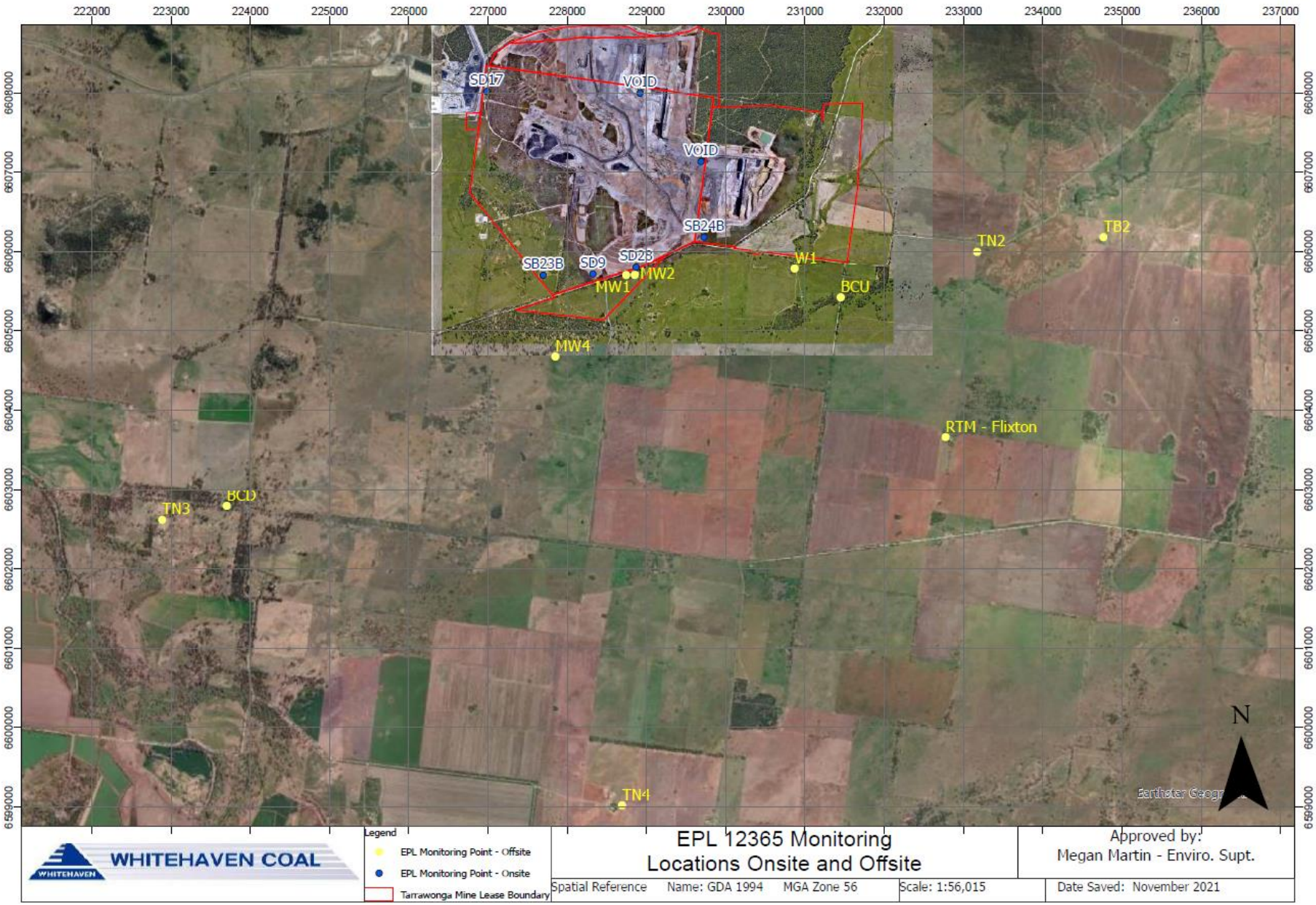
Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date of Max. Value Obtained
Coomalgah (TB2)	**Blast Noise**	**dB (Lin Peak)**	**Every Blast**	3	93.03	97.30	**120**	**Nil**	18/01/2022
	Blast Vibration	**mm/s**	**Every Blast**	3	0.21	0.31	**10**	**Nil**	18/01/2022

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 ($\mu g/m^3$)	Continuous	6.6	11.1	27.9

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

Figure 1 – EPL 12365 Monitoring Locations



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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: February 2022
Obtained Date: 10/03/2022
Publication Date: 21/02/2022

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	0	-	-	-	-	-	-	-
	Conductivity	µS/cm		0	-	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-	-
6	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-	-
	Conductivity	µS/cm		0	-	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-	-

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	25/02/2022	-	-	24	50	No	Sample taken after approx. 41.6mm of rain.
	Conductivity	µS/cm				-	-	254	NA	NA	
	Oil & Grease	mg/L				-	-	<5	10	No	
	pH	pH				-	-	7.30	6.5-8.5	No	
2	TSS	mg/L	Upon discharge	2	-	-	-	-	-	-	-
	Conductivity	µS/cm		2	-	-	-	-	-	-	-
	Oil & Grease	mg/L		2	-	-	-	-	-	-	-
	pH	pH		2	-	-	-	-	-	-	-
3	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-	-
	Conductivity	µS/cm		0	-	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-	-
24	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-	-
	Conductivity	µS/cm		0	-	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-	-

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		0	-	-	-	-	-	-	-
26	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-	-
	Conductivity	µS/cm		0	-	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-	-
27	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-	-
	Conductivity	µS/cm		0	-	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-	-

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)	0	-	-	-	-	-	-
	Lead	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Standing Water Level	metres		0	-	-	-	-	-	-
10	Conductivity	µS/cm	6 monthly – (Mar- Sep)	0	-	-	-	-	-	-
	Lead	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Standing Water Level	metres		0	-	-	-	-	-	-
12	Conductivity	µS/cm	6 monthly – (Mar- Sep)	0	-	-	-	-	-	-
	Lead	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Standing Water Level	metres		0	-	-	-	-	-	-
13	Conductivity	µS/cm	Quarterly - (Feb, May, Aug, Nov)	0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	TSS	mg/L		0	-	-	-	-	-	-

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)

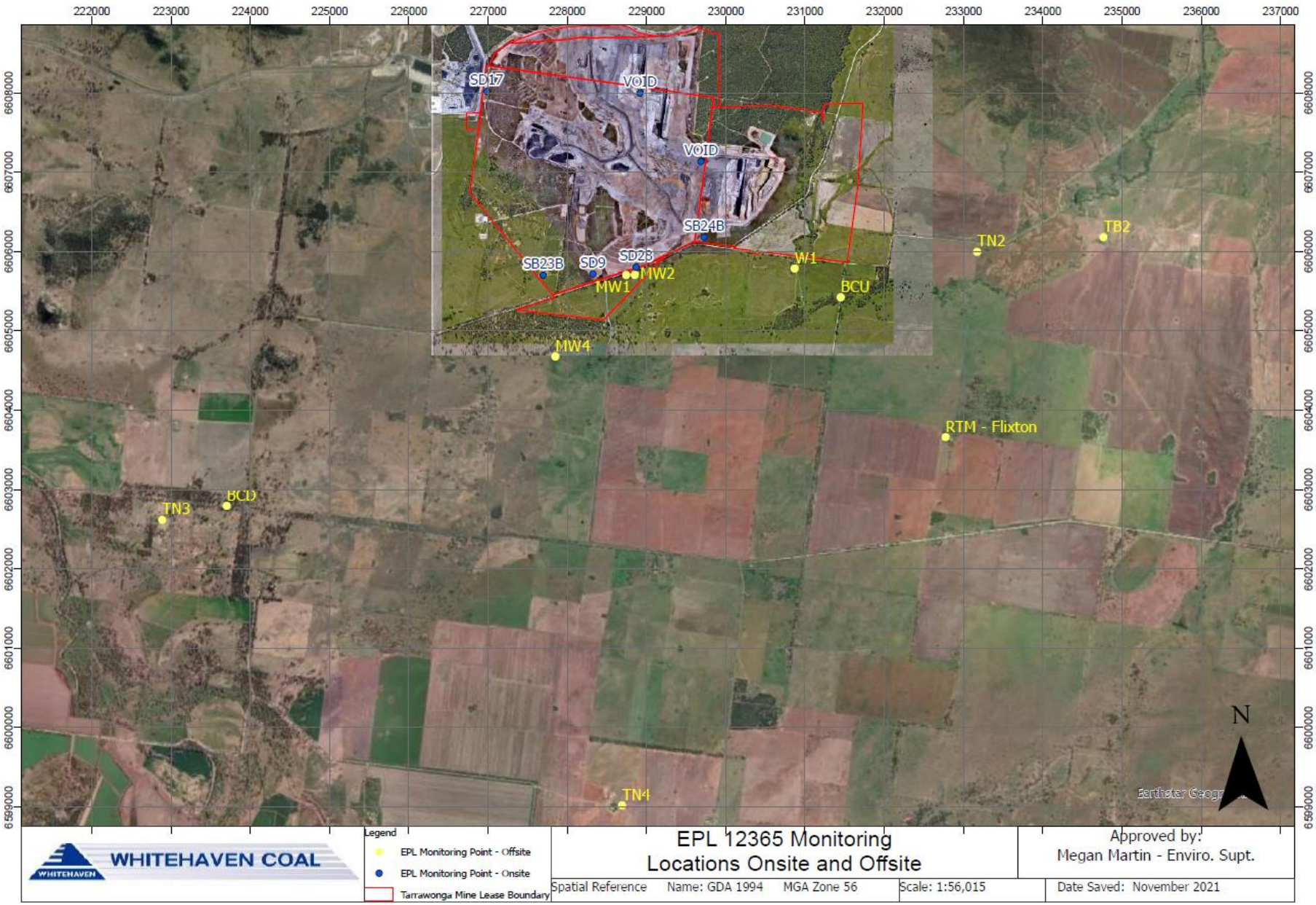
Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date of Max. Value Obtained
Coomalgah (TB2)	**Blast Noise**	**dB (Lin Peak)**	**Every Blast**	5	98.5	103.5	**120**	**Nil**	25/02/22
	Blast Vibration	**mm/s**	**Every Blast**	5	0.26	0.44	**10**	**Nil**	11/02/22

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 ($\mu g/m^3$)	Continuous	0	11.0	29.5

*****_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 2022
Obtained Date: 12/04/2022
Publication Date: 13/04/2022

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	0	-	-	-	-	-	-	-
	Conductivity	µS/cm		0	-	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-	-
6	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-	-
	Conductivity	µS/cm		0	-	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-	-

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	0	-	-	-	-	-	-	-
	Conductivity	µS/cm		0	-	-	-	-	-	-	
	Oil & Grease	mg/L		0	-	-	-	-	-	-	
	pH	pH		0	-	-	-	-	-	-	
2	TSS	mg/L	Upon discharge	1	10/3	10/3	-	46	50	No	-
	Conductivity	µS/cm		1	10/3	10/3	-	573	NA	NA	
	Oil & Grease	mg/L		1	10/3	10/3	-	<5	10	No	
	pH	pH		1	10/3	10/3	-	7.59	6.5-8.5	No	
3	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-	-
	Conductivity	µS/cm		0	-	-	-	-	-	-	
	Oil & Grease	mg/L		0	-	-	-	-	-	-	
	pH	pH		0	-	-	-	-	-	-	
26	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-	-
	Conductivity	µS/cm		0	-	-	-	-	-	-	
	Oil & Grease	mg/L		0	-	-	-	-	-	-	

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		0	-	-	-	-	-	-	
27	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-	-
	Conductivity	µS/cm		0	-	-	-	-	-	-	
	Oil & Grease	mg/L		0	-	-	-	-	-	-	
	pH	pH		0	-	-	-	-	-	-	

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	21/3	21/3	-	-	-	3,540
	Lead	mg/L		1	21/3	21/3	-	-	-	0.002
	pH	pH		1	21/3	21/3	-	-	-	7.72
	Standing Water Level	metres		1	21/3	21/3	-	-	-	7.47
10	Conductivity	µS/cm	6 monthly – (Mar- Sep)	1	21/3	21/3	-	-	-	848
	Lead	mg/L		1	21/3	21/3	-	-	-	0.002
	pH	pH		1	21/3	21/3	-	-	-	6.94
	Standing Water Level	metres		1	21/3	21/3	-	-	-	4.3
12	Conductivity	µS/cm	6 monthly – (Mar- Sep)	1	21/3	21/3	-	-	-	3,080
	Lead	mg/L		1	21/3	21/3	-	-	-	0.002
	pH	pH		1	21/3	21/3	-	-	-	7.7
	Standing Water Level	metres		1	21/3	21/3	-	-	-	9.8
13	Conductivity	µS/cm	Quarterly - (Feb, May, Aug, Nov)	1	14/3	14/3	-	-	-	3,060
	Oil & Grease	mg/L		1	14/3	14/3	-	-	-	<5
	pH	pH		1	14/3	14/3	-	-	-	8.36
	TSS	mg/L		1	14/3	14/3	-	-	-	8

Table 4 – Quarterly Attended Noise Monitoring

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

Date	Time	Total Noise Levels (dB)							Mine noise level L_{Aeq} (dB)	Wind Speed (m/s)	Wind Direction (º)	Stability Category	Rain (mm)
		L_{Aeq}	L_{Amax}	L_{Amin}	L_{Ceq}	L_{A1}	L_{A10}	L_{A90}					
TN2 Coomalgah													
15/03/2022	10:36	52	35	25	63	45	38	28	I/A (<30)	**4.6**	116	C	0
	10:51	56	35	24	59	47	37	27	I/A (<30)	**4.8**	130	B	0
	11:06	59	34	24	63	44	36	27	I/A (<30)	**4.4**	140	C	0
	11:21	71	43	23	63	57	39	27	I/A (<30)	**4.1**	99	C	0
	11:36	54	34	24	63	42	37	26	I/A (<30)	**4.1**	143	B	0
	11:51	56	35	24	64	45	38	26	I/A (<30)	**3.4**	157	A	0
	21:30	47	42	37	65	46	44	39	I/A (<30)	**4.3**	116	E	0
	21:45	46	39	37	62	41	40	38	I/A (<30)	**4**	121	E	0
	22:00	46	39	37	62	42	40	39	I/A (<30)	**4.8**	134	D	0
	22:15	57	49	38	57	55	52	40	I/A (<30)	**3.9**	134	D	0
	22:30	59	50	39	56	55	53	41	I/A (<30)	**3.3**	128	E	0
	22:45	56	50	38	61	55	54	42	I/A (<30)	**4**	121	D	0
16/03/2022	10:38	60	38	28	59	50	39	32	I/A (<30)	**3.1**	178	B	0
	10:53	49	35	28	61	41	36	32	I/A (<30)	1.3	166	A	0
	11:08	57	36	28	62	46	38	31	I/A (<30)	2.3	161	B	0
	11:23	51	34	29	58	41	35	31	I/A (<30)	1.7	220	A	0
	11:38	61	36	27	54	46	35	31	I/A (<30)	2.4	132	D	0
	11:53	62	39	27	58	51	39	30	I/A (<30)	1.6	196	A	0
	21:30	55	53	42	54	55	54	51	I/A (<30)	2.7	111	E	0
	21:45	59	53	44	52	55	54	51	I/A (<30)	3	120	E	0
	22:00	55	52	43	51	54	54	50	I/A (<30)	1.6	71	**F**	0
	22:15	55	53	43	51	54	54	50	I/A (<30)	0.3	125	**F**	0
	22:30	55	50	41	50	54	53	44	I/A (<30)	1.1	232	E	0
	22:45	56	51	40	54	54	53	45	I/A (<30)	0.7	169	D	0
17/03/2022	9:25	59	37	23	47	50	38	25	<30	0.3	58	A	0
	9:40	61	39	23	46	51	41	25	<30	0.8	142	A	0
	9:55	62	40	22	50	52	43	24	<30	1.4	275	A	0

	10:10	62	36	23	48	49	34	24	<30	1.6	273	A	0
	10:25	57	35	23	51	48	37	25	<30	0.9	126	A	0
	10:40	57	29	23	48	39	28	24	<30	2.4	240	A	0
	21:30	43	39	37	43	40	40	38	<30	0.8	73	**F**	0
	21:45	42	40	38	43	41	41	39	<30	1.5	64	E	0
	22:00	42	40	38	43	41	41	39	<30	1.5	45	**F**	0
	22:15	43	39	37	42	41	40	39	<30	0.7	344	**F**	0
	22:30	44	39	37	39	40	40	38	<30	0.5	279	D	0
	22:45	45	40	38	45	43	41	39	<30	0.4	226	**F**	0
17/03/2022	10:22	62	37	25	49	50	38	27	<30	0.9	239	A	0
	10:37	60	38	26	48	51	40	29	<30	1.3	210	A	0
	10:52	57	39	26	47	51	42	28	<30	1.3	48	A	0
	11:07	76	42	25	47	49	39	28	<30	0.6	324	A	0
	11:22	55	35	25	46	47	37	28	<30	1.3	350	A	0
	11:37	59	39	26	53	50	42	29	<30	1.7	340	A	0
	21:30	43	39	36	52	40	40	38	I/A (<30)	1.5	39	D	0
	21:45	43	40	38	48	42	41	40	I/A (<30)	2.8	82	D	0
	22:00	43	40	37	52	41	40	39	I/A (<30)	**4.1**	112	E	0
	22:15	43	40	37	44	41	41	39	I/A (<30)	**4.2**	129	E	0
	22:30	42	40	38	44	41	41	40	I/A (<30)	**3.1**	88	D	0
	22:45	41	39	37	50	40	40	38	I/A (<30)	**3.1**	130	E	0
TN3 Barbers Lagoon													
15/03/2022	11:37	48	73	29	66	57	45	31	IA (<30)	**4.1**	143	B	0
	11:53	53	78	30	68	66	47	32	IA (<30)	**3.4**	157	A	0
	12:08	48	70	29	65	62	45	33	IA (<30)	2.9	144	B	0
	12:25	51	72	29	63	66	46	32	IA (<30)	2.9	125	B	0
	12:41	53	75	29	68	65	50	34	IA (<30)	**3**	85	A	0
	12:57	54	76	32	67	67	48	36	IA (<30)	**3**	97	D	0
	20:16	50	40	37	46	45	41	38	I/A (<30)	1.4	84	D	0
	20:31	46	39	37	51	41	40	38	I/A (<30)	1.8	112	E	0
	23:18	43	35	32	52	37	36	34	<30	**4.1**	122	D	0
	23:33	53	35	32	53	40	36	34	<30	**4.6**	130	E	0
	23:48	46	35	32	53	38	36	33	<30	**5.1**	123	D	0
	0:03	46	34	31	53	38	36	33	<30	**5.3**	124	D	0

16/03/2022	12:00	55	78	28	62	68	50	32	IA (<30)	**3.6**	164	B	0
	12:15	57	78	27	63	71	50	31	IA (<30)	1.3	174	A	0
	12:30	55	77	27	61	70	46	30	IA (<30)	2.6	163	C	0
	12:45	52	73	28	62	68	44	31	IA (<30)	2.7	188	A	0
	13:08	56	77	27	66	71	51	29	IA (<30)	1.8	69	A	0
	13:25	54	75	28	61	69	50	31	IA (<30)	2.8	146	C	0
	20:22	46	39	36	56	43	40	38	I/A (<30)	1.6	229	E	0
	20:37	47	39	36	52	43	40	38	<30	0.9	287	E	0
	23:20	53	38	35	53	40	39	36	<32	**4.7**	121	E	0
	23:35	44	36	34	52	38	37	36	<31	**3.1**	100	E	0
	23:50	48	36	34	53	39	37	35	<31	**3**	115	D	0
	0:05	44	36	34	52	38	37	35	<31	2.2	80	D	0
17/03/2022	11:20	49	70	29	57	62	46	32	IA (<22)	2.1	32	A	0
	11:38	44	64	28	49	55	46	31	IA (<20)	2.9	267	B	0
	11:56	51	71	28	57	66	49	31	IA (<21)	2.3	171	A	0
	12:11	47	68	28	54	59	48	31	IA (<21)	**3.3**	139	C	0
	12:26	52	76	28	61	67	43	30	IA (<20)	**3.5**	279	C	0
	12:41	50	74	28	58	64	47	31	IA (<22)	2.3	310	A	0
	20:27	51	45	41	45	46	45	43	I/A (<30)	0.7	310	E	0
	20:42	49	44	40	44	46	45	43	I/A (<30)	0.4	192	**F**	0
	23:21	47	44	37	46	46	45	43	I/A (<30)	0.3	267	**F**	0
	23:36	50	45	40	47	46	46	44	I/A (<30)	0.3	222	**F**	0
	23:51	49	45	39	47	46	45	44	I/A (<30)	0.4	301	**F**	0
	0:06	46	42	33	47	45	44	35	I/A (<30)	0.6	92	D	0
18/03/2022	41	54	80	29	59	67	47	31	IA (<25)	1	204	A	0
	10:58	53	74	29	60	68	50	32	IA (<25)	1.2	39	A	0
	11:13	49	73	28	50	59	40	30	IA (<25)	0.9	222	A	0
	11:29	51	75	29	55	64	42	30	IA (<25)	1.7	340	A	0
	11:44	54	74	29	61	69	48	31	IA (<25)	1.9	341	A	0
	12:00	69	94	28	69	66	46	29	IA (<25)	2.4	28	A	0
	20:23	49	46	40	46	47	47	42	I/A (<30)	1.1	139	D	0
	20:38	51	44	39	45	49	45	41	I/A (<30)	2.9	119	E	0
	23:20	55	38	33	53	41	40	36	<30	1.1	279	**F**	0
	23:35	60	41	33	54	54	40	36	<30	0.9	332	E	0

	23:50	55	38	32	54	43	39	35	<30	0.3	323	**F**	0
	0:05	47	38	33	52	41	39	35	<30	**3.2**	126	D	0
TN4 Bungalow													
15/03/2022	9:34	44	64	30	57	57	45	34	IA (<30)	**3.5**	116	D	0
	9:49	53	81	31	62	65	47	33	IA (<30)	**5.2**	136	D	0
	10:05	38	65	31	54	45	40	33	IA (<30)	**3.9**	161	C	0
	10:16	39	56	31	57	51	41	33	IA (<30)	**4.8**	153	D	0
	10:37	39	56	31	61	48	41	33	IA (<30)	**4.6**	116	C	0
	10:52	40	53	30	62	46	42	33	IA (<30)	**4.8**	130	B	0
	21:18	43	46	41	55	44	44	42	<30	**4.4**	122	D	0
	21:38	43	45	40	58	44	43	42	<31	**4.6**	128	E	0
	22:00	43	47	39	56	44	43	42	<32	**4.8**	134	D	0
	22:15	43	47	40	55	44	43	42	<33	**3.9**	134	D	0
	22:30	43	64	41	53	46	44	42	<34	**3.3**	128	E	0
	9:34	44	64	30	57	57	45	34	IA (<30)	**3.5**	116	D	0
16/03/2022	22:46	43	52	41	54	45	44	42	<35	**3.9**	133	E	0
	9:43	57	85	31	69	65	45	33	33	**4.5**	143	D	0
	9:58	49	75	30	61	62	45	32	32	**3.1**	127	C	0
	10:22	59	79	31	66	75	42	33	32	**3.3**	106	C	0
	10:38	57	83	29	68	69	45	31	25	**3.1**	178	B	0
	10:55	43	69	28	56	54	35	30	<30	1.3	166	A	0
	11:22	54	82	28	69	62	42	30	IA (<30)	1.7	220	A	0
	21:11	45	49	43	52	47	46	44	IA (<30)	1.8	78	E	0
	21:30	44	49	42	53	47	45	43	IA (<30)	2.2	92	D	0
	22:00	45	48	43	47	47	45	44	IA (<30)	2.4	112	E	0
	22:15	46	66	40	52	51	45	43	IA (<30)	0.2	100	**F**	0
	22:30	43	45	41	49	44	44	43	IA (<30)	0.4	255	**F**	0
	22:45	43	58	41	50	45	44	43	IA (<30)	1	203	**F**	0
17/03/2022	9:16	39	58	32	54	49	42	33	32	1.3	102	C	0
	9:31	49	71	33	60	61	51	34	<35	0.8	136	A	0
	9:47	52	78	30	62	65	43	32	<35	1	144	A	0
	10:07	52	74	31	62	66	43	32	<35	2.2	209	A	0
	10:23	42	66	30	51	53	36	32	<35	1.8	181	A	0
	10:23	34	57	30	47	43	34	31	<32	1.8	181	A	0

	21:05	46	48	44	46	47	47	46	IA (<35)	0.3	200	**F**	0
	21:20	47	50	44	45	48	47	46	IA (<35)	0.9	58	E	0
	22:00	46	57	43	45	47	46	44	IA (<35)	1.2	52	D	0
	22:15	47	68	42	53	55	45	43	IA (<35)	0.7	310	**F**	0
	22:30	44	47	41	44	45	45	43	IA (<35)	0.5	279	D	0
18/03/2022	8:42	47	64	31	49	60	48	33	IA (<20)	1.9	184	D	0
	8:58	43	64	30	45	56	45	33	IA (<20)	1.4	160	D	0
	9:14	51	78	30	51	64	50	32	IA (<20)	1.1	93	B	0
	9:31	42	62	32	49	55	42	34	IA (<25)	1.1	85	B	0
	9:46	57	83	32	70	70	45	34	IA (<25)	0.9	58	A	0
	10:02	49	77	33	51	62	46	34	IA (<25)	0.9	170	A	0
	21:14	46	50	44	45	47	46	45	IA (<35)	**3.3**	141	E	0
	21:30	45	52	42	48	50	46	44	<25	1.5	7	**F**	0
	22:00	45	60	43	48	48	47	44	<25	**3.4**	125	E	0
	22:16	46	57	43	48	48	47	45	<25	**4.2**	129	E	0
	22:31	46	49	43	49	48	47	44	<25	**3.1**	88	D	0
	22:47	44	48	41	52	47	45	42	<25	**3.1**	130	E	0

Note 1: Acronyms used: I/A = Inaudible, m/s = metres/second, dB = decibel.

Note 2: **Bold values in red** = Non-compliant weather conditions not included in calculation of average for that period. Non-compliant weather conditions are any:

- Wind speeds greater than 3m/s at 10m above ground level
- Stability Category F temperature inversion conditions and wind speeds greater than 2m/s, 10m above the ground
- Stability category G temperature inversions.

Note 3: Real time weather conditions retrieved from the mine, after monitoring occurs.

Attended noise monitoring was conducted at the "Bungalow" (TN4), "Barbers Lagoon" (TN3) and "Coomalgah" (TN2) properties from 15th to the 18th of March 2022. The summary table (Table 4) displays a comprehensive results table displaying all measurements. The noise criterion for the mine is 35dB(A) Leq (15 min) for all operating times.

Noise from the mine must not exceed 45 dB(A) L1 (1 min) between 10 pm and 7 am. This is to minimise the potential for sleep disturbance as a result of individual loud noises from the mine. The results of the sleep disturbance monitoring show that the measured L_{A1} (1 min) noise level did not exceed the sleep disturbance criterion. The results above show that noise emissions from the mine did not exceed the operational noise criterion at the "Barbers Lagoon", "Bungalow" or "Coomalgah" monitoring locations during the monitoring event during the entire monitoring period.

Table 5 – Monthly Monitoring (Blasts – Limits Apply)

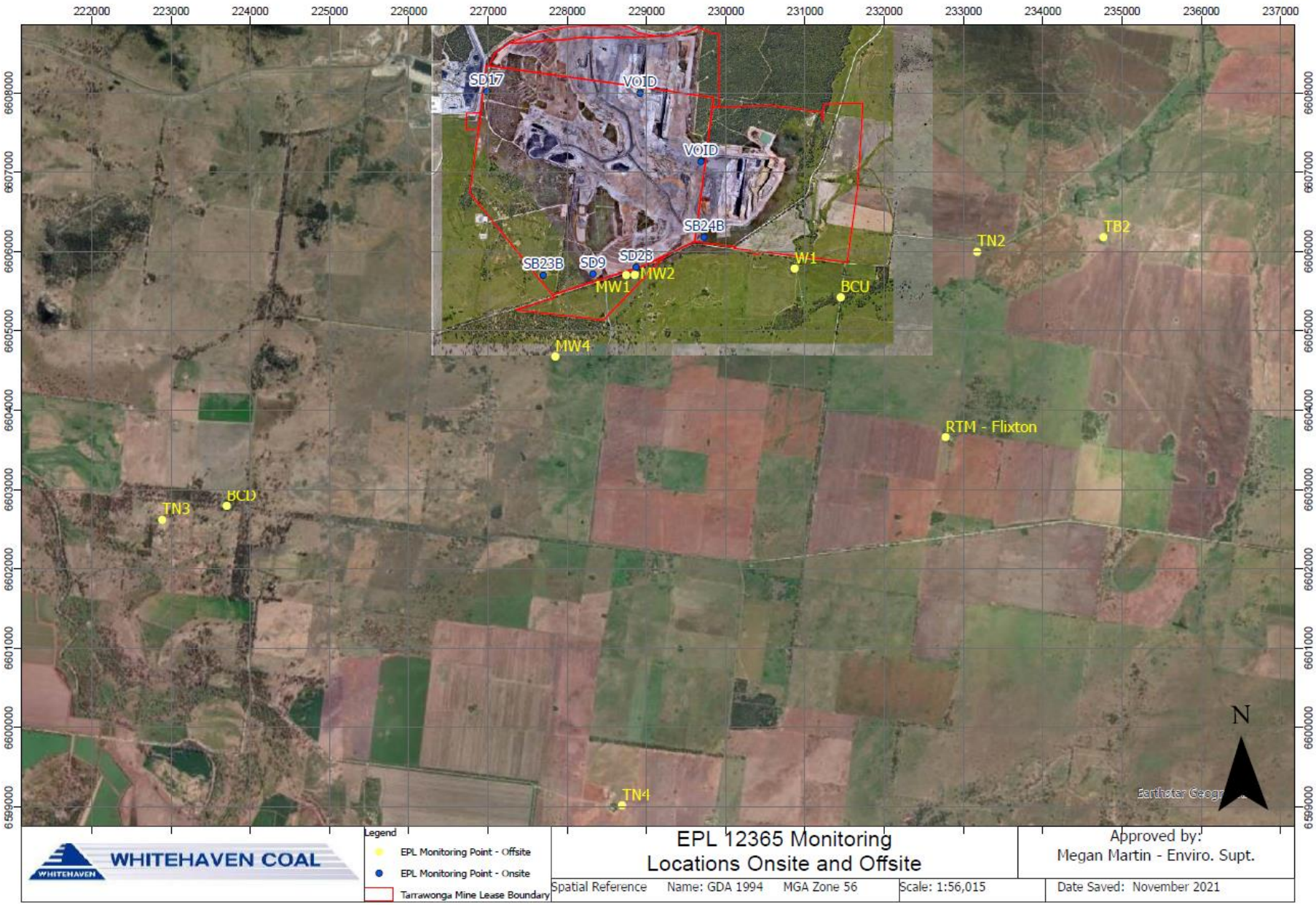
Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date of Max. Value Obtained
Coomalgah (TB2)	**Blast Noise**	**dB (Lin Peak)**	**Every Blast**	10	89.03	102.6	**120**	**Nil**	24/03/2022
	Blast Vibration	**mm/s**	**Every Blast**	10	0.17	0.43	**10**	**Nil**	29/03/2022

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 ($\mu g/m^3$)	Continuous	0.28	12.98	92.74

******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 2022
Obtained Date: 3/05/2022
Publication Date: 25/05/2022

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	0	-	-	-	-	-	-	-
	Conductivity	µS/cm		0	-	-	-	-	-	-	
	Oil & Grease	mg/L		0	-	-	-	-	-	-	
	pH	pH		0	-	-	-	-	-	-	
6	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-	-
	Conductivity	µS/cm		0	-	-	-	-	-	-	
	Oil & Grease	mg/L		0	-	-	-	-	-	-	
	pH	pH		0	-	-	-	-	-	-	

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	10/4	10/4	-	57	50	No	Sample taken after approx. 39.6mm of rain, therefor limit for TSS does not apply
	Conductivity	µS/cm		1	10/4	10/4	-	272	NA	NA	
	Oil & Grease	mg/L		1	10/4	10/4	-	<5	10	No	
	pH	pH		1	10/4	10/4	-	8.11	6.5 – 8.5	No	
2	TSS	mg/L	Upon discharge	2	10/4, 22/4	10/4	-	78	50	No	Sample taken after approx. 39.6mm of rain, therefor limit for TSS does not apply
	Conductivity	µS/cm		2	10/4, 22/4	10/4	-	388	NA	NA	
	Oil & Grease	mg/L		2	10/4, 22/4	10/4	-	<5	10	No	
	pH	pH		2	10/4, 22/4	10/4	-	8.11	6.5 – 8.5	No	
3	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-	-
	Conductivity	µS/cm		0	-	-	-	-	-	-	
	Oil & Grease	mg/L		0	-	-	-	-	-	-	
	pH	pH		0	-	-	-	-	-	-	
24	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-	-
	Conductivity	µS/cm		0	-	-	-	-	-	-	

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		0	-	-	-	-	-	-	
	pH	pH		0	-	-	-	-	-	-	
26	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-	-
	Conductivity	µS/cm		0	-	-	-	-	-	-	
	Oil & Grease	mg/L		0	-	-	-	-	-	-	
	pH	pH		0	-	-	-	-	-	-	
27	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-	-
	Conductivity	µS/cm		0	-	-	-	-	-	-	
	Oil & Grease	mg/L		0	-	-	-	-	-	-	
	pH	pH		0	-	-	-	-	-	-	

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)	0	-	-	-	-	-	-
	Lead	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Standing Water Level	metres		0	-	-	-	-	-	-
10	Conductivity	µS/cm	6 monthly – (Mar- Sep)	0	-	-	-	-	-	-
	Lead	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Standing Water Level	metres		0	-	-	-	-	-	-
12	Conductivity	µS/cm	6 monthly – (Mar- Sep)	0	-	-	-	-	-	-
	Lead	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Standing Water Level	metres		0	-	-	-	-	-	-
13	Conductivity	µS/cm	Quarterly - (Feb, May, Aug, Nov)	0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	TSS	mg/L		0	-	-	-	-	-	-

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)

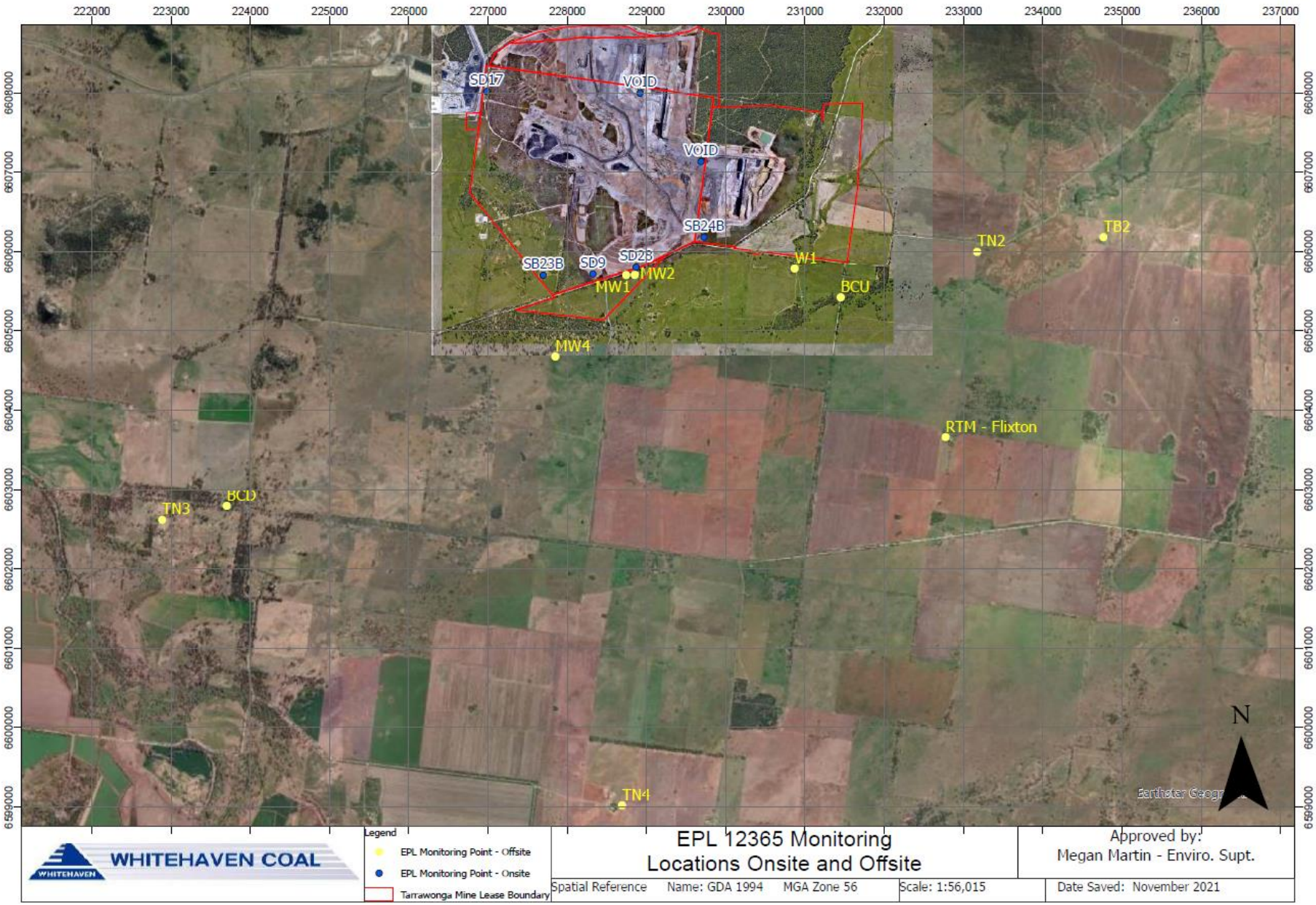
April	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date Obtained
Coomalgah	**Blast Noise**	**dB (Lin Peak)**	**Every Blast**	6	98.38	106.60	**120**	**Nil**	3/05/2022
	Blast Vibration	**mm/s**	**Every Blast**	6	0.28	0.59	**10**	**Nil**	3/05/2022

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 ($\mu g/m^3$)	Continuous	6.7	11.3	25.8

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

Figure 1 – EPL 12365 Monitoring Locations



Month of EPL Report:	Date of Original Publishing:	Date of Correction:	Date of Republishing:	Correction/s made:
April 2021	03/05/2022	25/05/2022	25/05/2022	• Page 1: Publication date changed to reflect publication of accurate data. • Page 1: Sampling period corrected to the correct month – From 'March 2022' to 'April 2022'. • Page 2: Line/s associated with EPL ID 1 in Table 2 corrected to display no exceedances for the month, as No exceedance was recorded in regards to TSS. This is due to the rainfall exceeding 38.4mm and making the TSS Limit not applicable. • Page 2: Line/s associated with EPL ID 2 in Table 2 corrected to display no exceedances for the month, as No exceedance was recorded in regards to TSS. This is due to the rainfall exceeding 38.4mm and making the TSS Limit not applicable. • Page 5: Comment regarding noise monitoring changed to display the correct month – From 'February' to 'April'.

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 2022
Obtained Date: 7/06/2022
Publication Date: 10/06/2022

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 during discharge event
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	
6	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	Creek not flowing during discharge event
	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	4/05	4/05	-	48	50	No	-
	Conductivity	µS/cm		1	4/05	4/05	-	435	NA	NA	
	Oil & Grease	mg/L		1	4/05	4/05	-	<5	10	No	
	pH	pH		1	4/05	4/05	-	7.64	6.5 – 8.5	No	
2	TSS	mg/L	Upon discharge	2	13/05, 27/05	13/05	14	54	50	No	Sample taken after approx. 40.6mm of rain, there-for limit for TSS does not apply
	Conductivity	µS/cm		2	13/05, 27/05	13/05	240	260	NA	NA	
	Oil & Grease	mg/L		2	13/05, 27/05	13/05	<5	<5	10	No	
	pH	pH		2	13/05, 27/05	13/05	7.55	7.9	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	-	-	-	-	-	-	-	-
	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)	Void sample will be done in June 2022, and results will be submitted accordingly						
	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 May

Table 5 – Monthly Monitoring (Blasts – Limits Apply)

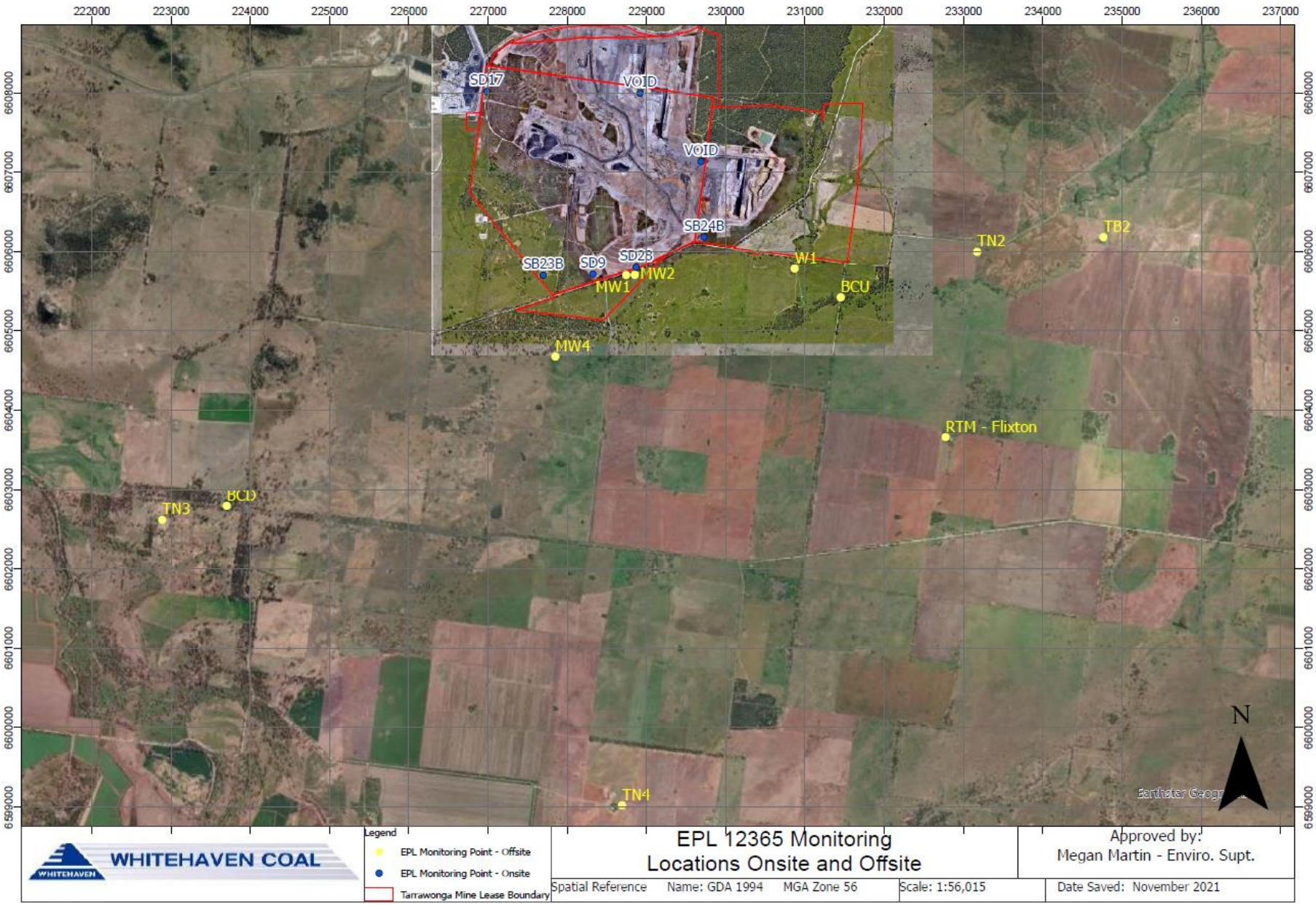
Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date of Max. Value Obtained
Coomalgah (TB2)	**Blast Noise**	**dB (Lin Peak)**	**Every Blast**	10	91.31	100.50	**120**	**Nil**	30/05/2022
	Blast Vibration	**mm/s**	**Every Blast**	10	0.53	2.41	**10**	**Nil**	30/05/2022

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 ($\mu g/m^3$)	Continuous	0.09	9.86	65.5

*****_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 2022
Obtained Date: 4/07/2022
Publication Date: 5/07/2022

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 during discharge event
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	
6	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	Creek not flowing during discharge event
	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	16/6	16/6	-	19	50	No	-
	Conductivity	µS/cm		1	16/6	16/6	-	277	NA	NA	
	Oil & Grease	mg/L		1	16/6	16/6	-	<5	10	No	
	pH	pH		1	16/6	16/6	-	7.5	6.5 – 8.5	No	
2	TSS	mg/L	Upon discharge	2	2/6, 20/6	20/6	<5	13	50	No	-
	Conductivity	µS/cm		2	2/6, 20/6	2/6	277	297	NA	NA	
	Oil & Grease	mg/L		2	2/6, 20/6	20/6	<5	<5	10	No	
	pH	pH		2	2/6, 20/6	20/6	6.82	7.91	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	-	-	-	-	-	-	-	-
	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)	Monitoring report not yet received, will be submitted next month.						
	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)

TN2 - Coomalgah

Date	Time	Total Noise Levels (dB)						Mine noise level L_{Aeq} (dB)	Wind Speed (m/s)	Wind Direction (°)	Stability Category	Rain (mm)
		L_{Aeq}	L_{Amax}	L_{Ceq}	L_{A1}	L_{A10}	L_{A90}					
6/06/2022	10:11	42	61	68	52	44	36	36	3.3	308	D	0
	10:26	42	54	71	49	44	36	35	5.8	303	D	0
	10:41	40	54	70	47	42	36	35	4.4	288	D	0
	10:56	37	52	67	44	40	34	35	6.4	269	D	0
	11:11	41	56	70	48	43	36	35	7.2	281	D	0
	11:26	40	54	70	48	42	34	35	5.2	292	D	0
	21:30	31	47	50	36	33	28	30	1.7	297	E	0
	21:45	31	49	50	36	33	29	31	0.8	21	E	0
	22:00	32	49	50	38	34	28	32	1.3	13	E	0
	22:15	32	60	50	37	33	28	31	1.0	20	E	0
	22:30	34	55	51	39	36	31	34	2.0	23	E	0
	22:45	33	59	51	37	34	30	33	1.9	27	E	0
7/06/2022	9:33	45	66	55	57	46	32	33	1.8	303	D	0
	9:48	42	67	64	54	39	32	33	5.1	292	D	0
	10:03	42	69	66	48	41	33	33	3.4	290	D	0
	10:18	36	62	63	45	38	32	33	3.8	306	D	0
	10:33	41	65	66	52	42	33	33	4.0	307	C	0
	10:48	44	67	67	57	43	33	33	4.3	284	D	0
	21:30	36	48	53	41	38	34	35	3.5	321	D	0
	21:45	38	50	54	43	40	35	35	4.3	317	D	0
	22:00	38	47	54	44	40	35	35	2.9	297	D	0
	22:15	39	52	55	43	41	36	36	3.2	321	D	0
	22:30	39	51	55	45	41	36	36	4.2	309	D	0
	22:45	38	51	54	43	40	36	36	3.4	303	D	0
8/06/2022	9:50	37	60	55	49	38	26	<30	1.6	245	C	0
	10:05	31	50	60	40	32	25	<30	2.2	221	C	0

	10:20	36	59	59	48	35	26	<30	1.7	197	A	0
	10:35	37	57	60	48	39	27	<30	**3.3**	258	A	0
	10:50	33	48	61	40	35	28	<30	**3.3**	222	D	0
	11:05	44	75	66	52	45	30	<30	**4.1**	178	C	0
	21:30	37	47	53	41	39	35	35	0.3	19	**F**	0
	21:45	35	48	54	40	37	32	35	0.3	249	E	0
	22:00	35	49	53	40	37	32	34	0.3	215	**F**	0
	22:15	34	50	53	39	37	30	34	1.1	271	E	0
	22:30	35	45	52	40	37	32	34	0.8	238	**F**	0
	22:45	33	41	51	37	35	29	33	1.3	247	D	0
9/06/2022	10:11	35	54	59	46	37	28	<30	**3.3**	227	D	0
	10:26	32	54	60	40	34	28	<30	**4.6**	266	A	0
	10:41	40	62	61	54	38	28	<32	**3.2**	229	D	0
	10:56	33	50	61	42	35	28	<33	**3.4**	261	D	0
	11:11	32	50	61	40	34	27	<32	**4.9**	265	D	0
	11:26	35	51	65	44	38	30	<33	**4.9**	261	C	0
	21:30	34	52	51	39	36	31	<31	2.5	292	E	0
	21:45	34	44	51	40	37	30	32	2.4	273	E	0
	22:00	32	50	50	36	34	29	33	1.6	269	**F**	0
	22:15	33	61	50	36	34	29	32	1.7	252	E	0
	22:30	33	47	50	38	35	31	32	1.6	258	E	0
	22:45	32	44	48	37	34	29	33	2.0	251	E	0

TN3 – Barbers Lagoon

Date	Time	Total Noise Levels (dB)						Mine noise level L_{Aeq} (dB)	Wind Speed (m/s)	Wind Direction (°)	Stability Category	Rain (mm)
		L_{Aeq}	L_{Amax}	L_{Ceq}	L_{A1}	L_{A10}	L_{A90}					
6/06/2022	10:10	62	85	90	75	63	41	I/A	3.3	308	D	0
	10:25	58	83	88	70	59	40	I/A	5.8	303	D	0
	10:40	60	82	92	73	63	41	I/A	4.4	288	D	0
	10:55	62	87	87	74	59	38	I/A	6.4	269	D	0
	11:11	63	87	90	76	63	40	I/A	7.2	281	D	0
	11:26	58	80	87	70	59	37	I/A	5.2	292	D	0
	20:06	33	52	43	44	37	20	I/A	1.1	307	E	0
	20:21	25	46	41	35	28	19	I/A	0.9	336	D	0
	23:21	30	50	45	42	32	19	I/A	2.2	36	E	0
	23:36	27	49	43	37	30	18	I/A	2.1	52	E	0
	23:51	25	47	42	33	28	19	I/A	3.1	55	D	0
7/06/2022	0:06	24	53	41	32	22	17	I/A	1.2	12	E	0
	8:41	56	83	75	61	48	34	I/A	2.1	331	D	0
	8:56	64	89	78	77	56	35	I/A	3.0	329	C	0
	9:12	61	82	76	76	57	36	I/A	2.4	311	B	0
	9:27	59	86	78	65	52	33	I/A	1.8	303	D	0
	9:42	56	81	76	68	49	34	I/A	5.1	292	D	0
	9:57	54	80	82	62	52	33	I/A	3.4	290	D	0
	20:07	31	58	45	43	32	22	I/A	3.4	315	D	0
	20:22	28	49	44	39	32	21	I/A	4.3	316	E	0
	23:18	29	50	45	39	31	21	I/A	2.5	286	D	0
	23:33	27	46	45	38	29	20	I/A	3.3	277	E	0
	23:48	24	48	37	36	24	18	I/A	2.6	283	E	0
8/06/2022	0:03	20	48	32	28	20	17	I/A	1.5	229	E	0
	8:05	60	83	64	75	53	32	I/A	1.5	39	D	0

	8:20	60	83	64	75	51	32	I/A	1.6	63	D	0
	8:35	58	85	62	69	47	32	I/A	1.9	41	A	0
	8:50	54	79	60	64	45	29	I/A	0.4	224	A	0
	9:05	60	87	70	70	49	30	I/A	1.6	294	A	0
	9:20	60	81	71	74	59	35	I/A	0.1	30	A	0
	20:15	45	71	49	56	38	18	I/A	0.9	281	D	0
	20:30	23	45	41	34	23	18	I/A	0.9	234	E	0
	23:18	27	52	42	37	29	19	I/A	1.9	233	D	0
	23:33	22	43	40	33	24	17	I/A	2.1	217	D	0
	23:48	22	45	46	30	24	18	I/A	1.9	218	E	0
9/06/2022	0:03	22	48	40	27	23	19	I/A	1.7	207	E	0
	9:27	56	80	80	66	54	33	I/A	**3.5**	230	D	0
	9:42	57	77	87	69	59	32	I/A	**3.8**	263	C	0
	9:57	58	81	81	73	56	36	I/A	**4.0**	263	D	0
	10:12	60	86	83	71	55	35	I/A	**3.3**	227	D	0
	10:28	58	82	79	72	51	30	I/A	**4.6**	266	A	0
	10:43	59	80	88	70	61	34	I/A	**3.2**	229	D	0
	20:26	32	50	40	44	36	20	I/A	2.0	304	E	0
	20:41	32	56	42	44	33	20	I/A	2.3	307	E	0
	23:18	30	50	52	41	32	19	I/A	1.7	255	**F**	0
	23:33	24	47	43	36	23	18	I/A	1.4	267	D	0
	23:48	23	49	43	32	22	18	I/A	1.5	252	D	0
10/06/2022	0:03	21	48	40	29	20	17	I/A	1.9	266	E	0

TN4 – Bungalow

Date	Time	Total Noise Levels (dB)						Mine noise level L_{Aeq} (dB)	Wind Speed (m/s)	Wind Direction (º)	Stability Category	Rain (mm)
		L_{Aeq}	L_{Amax}	L_{Ceq}	L_{A1}	L_{A10}	L_{A90}					
6/06/2022	11:55	65	84	97	76	69	47	I/A	4.9	301	D	0
	12:10	62	82	94	73	65	44	I/A	5.6	299	D	0
	12:28	63	81	95	73	67	45	I/A	3.7	326	D	0
	12:43	58	76	92	69	62	42	I/A	4.3	300	D	0
	12:58	62	79	93	73	65	39	I/A	4.9	297	C	0
	13:14	58	76	91	69	62	41	I/A	4.4	329	D	0
	21:30	29	49	57	41	31	19	I/A	1.7	297	E	0
	21:45	24	48	56	35	25	19	I/A	0.8	21	E	0
	22:01	23	44	56	34	25	18	I/A	1.3	13	E	0
	22:16	22	48	57	33	22	18	I/A	1.0	20	E	0
	22:31	24	51	57	33	25	18	I/A	2.0	23	E	0
	22:46	27	55	56	37	21	17	I/A	1.9	27	E	0
7/06/2022	10:29	56	75	88	68	59	35	I/A	4.0	307	C	0
	10:44	57	77	90	68	61	40	I/A	4.3	284	D	0
	10:59	65	85	94	78	67	37	I/A	4.4	263	D	0
	11:14	68	93	96	79	70	44	I/A	4.2	267	D	0
	11:29	65	82	96	77	68	51	I/A	5.4	326	D	0
	11:44	69	87	98	78	73	52	I/A	5.9	267	D	0
	21:26	32	55	68	41	34	28	I/A	3.5	321	D	0
	21:41	29	55	64	36	30	24	I/A	4.3	317	D	0
	22:00	25	56	61	33	24	20	I/A	2.9	297	D	0
	22:15	29	55	62	38	31	21	I/A	3.2	321	D	0
	22:30	25	54	61	37	24	18	I/A	4.2	309	D	0
	22:45	31	65	61	35	23	20	I/A	3.4	303	D	0
8/06/2022	9:48	45	74	74	57	46	26	I/A	1.6	245	C	0

	10:03	51	72	81	64	52	29	I/A	2.2	221	C	0
	10:19	50	70	81	62	54	30	I/A	1.7	197	A	0
	10:35	57	77	90	69	60	34	I/A	**3.3**	258	A	0
	10:50	54	72	87	65	58	40	I/A	**3.3**	222	D	0
	21:26	30	56	55	42	30	18	I/A	0.3	19	**F**	0
	21:41	26	58	55	36	21	18	I/A	0.3	249	E	0
	22:00	33	63	69	45	33	19	I/A	0.3	215	**F**	0
	22:15	30	57	66	42	29	20	I/A	1.1	271	E	0
	22:30	37	60	67	52	35	23	I/A	0.8	238	**F**	0
	22:45	45	70	80	56	48	25	I/A	1.3	247	D	0
9/06/2022	11:13	56	75	89	67	60	36	I/A	**4.9**	265	D	0
	11:29	57	78	90	69	60	38	I/A	**4.9**	261	C	0
	11:44	59	81	92	70	62	39	I/A	**5.4**	224	A	0
	11:59	59	79	92	71	63	38	I/A	2.0	243	D	0
	12:15	60	79	93	71	63	40	I/A	**5.6**	286	C	0
	12:30	52	72	85	63	56	29	I/A	**3.4**	268	D	0
	12:45	58	82	90	70	60	35	I/A	2.9	267	C	0
	21:25	27	53	55	39	29	18	I/A	2.5	292	E	0
	21:40	32	60	57	47	29	18	I/A	2.4	273	E	0
	22:00	46	74	70	57	39	18	I/A	1.6	269	**F**	0
	22:15	43	71	76	54	42	30	I/A	1.7	252	E	0
	22:30	40	67	69	53	39	23	I/A	1.6	258	E	0
	22:45	26	55	61	37	23	19	I/A	2.0	251	E	0

Note 1: Acronyms used: I/A = Inaudible, m/s = metres/second, dB = decibel.
Note 2: **Bold values in** red = non-compliant weather conditions not included in calculation of average for that period. Non-compliant weather conditions are any:
- Wind speeds greater than 3m/s at 10m above ground level
- Stability Category F temperature inversion conditions and wind speeds greater than 2m/s, 10m above the ground
- Stability category G temperature inversions.

Note 3: Real time weather conditions retrieved from the mine, after monitoring occurs.

Attended noise monitoring was conducted at the “Bungalow” (TN4), “Barbers Lagoon” (TN3) and “Coomalgah” (TN2) properties from 6th to the 9th of June 2022. The summary table (Table 4) displays a comprehensive results table displaying all measurements. The noise criterion for the mine is 35dB(A) Leq (15 min) for all operating times.

Noise from the mine must not exceed 45 dB(A) L1 (1 min) between 10 pm and 7 am. This is to minimise the potential for sleep disturbance as a result of individual loud noises from the mine. The results of the sleep disturbance monitoring show that the measured LA1 (1 min) noise level did not exceed the sleep disturbance criterion. The results above show that noise emissions from the mine did not exceed the operational noise criterion at the “Barbers Lagoon”, “Bungalow” or “Coomalgah” monitoring locations during the monitoring event during the entire monitoring period.

Table 5 – Monthly Monitoring (Blasts – Limits Apply)

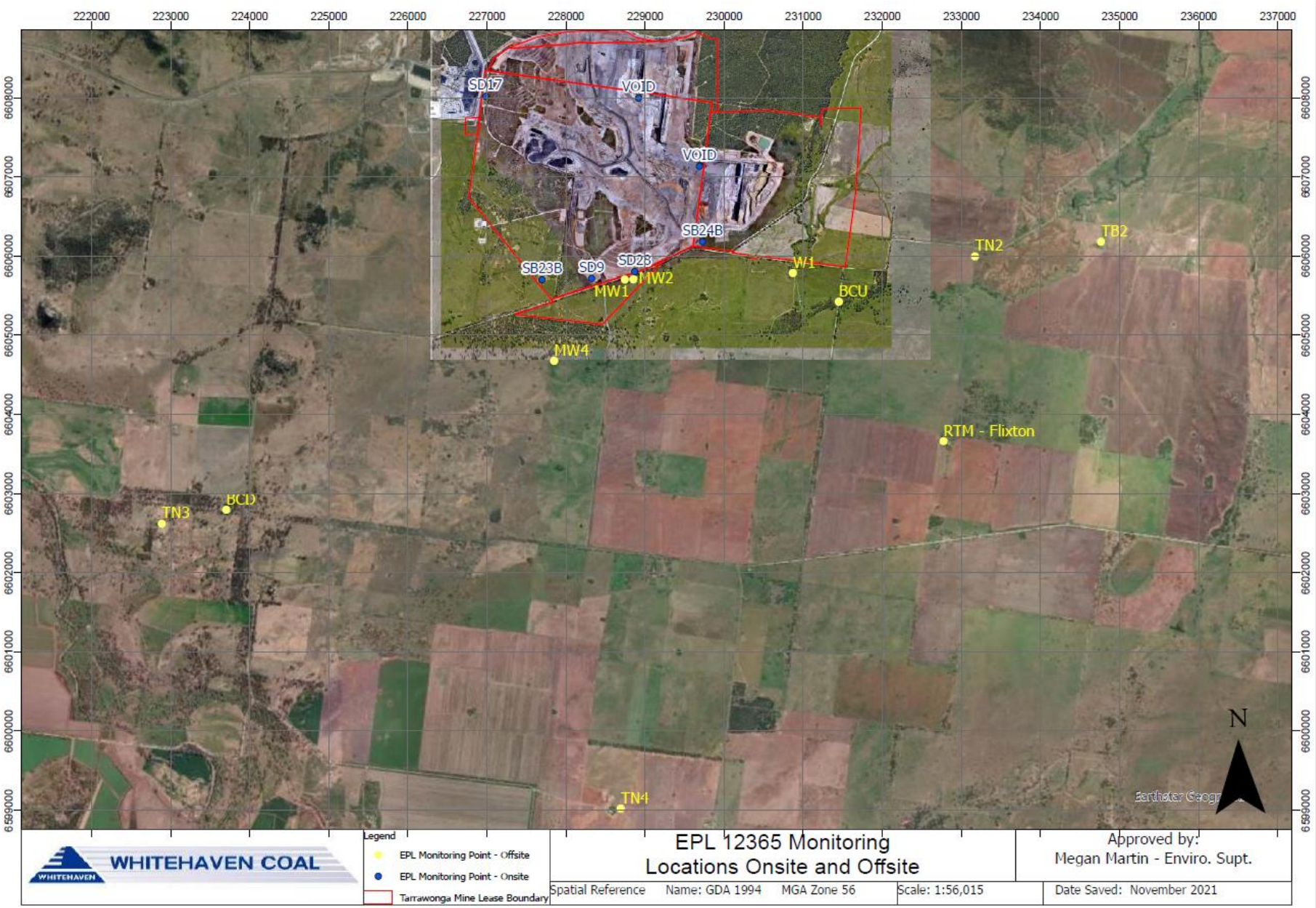
Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date of Max. Value Obtained
Coomalgah (TB2)	**Blast Noise**	**dB (Lin Peak)**	**Every Blast**	9	96.9	105.2	**120**	**Nil**	3/06/22
	Blast Vibration	**mm/s**	**Every Blast**	9	0.2	0.36	**10**	**Nil**	16/06/22

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 ($\mu g/m^3$)	Continuous	0.85	11.16	272.88

*****_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 2022
Obtained Date: 10/08/2022
Publication Date: 10/08/2022

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 during discharge event
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	
6	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	Creek not flowing during discharge event
	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	1	29/7	29/7	-	12	50	-	-
	Conductivity	µS/cm		1	29/7	29/7	-	443	NA	-	
	Oil & Grease	mg/L		1	29/7	29/7	-	<5	10	-	
	pH	pH		1	29/7	29/7	-	7.82	6.5 – 8.5	-	
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		-	-	-	-	-	-	-	

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
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	4/7/22	4/7/22	-	-	-	2730
	Oil & Grease	mg/L		1	4/7/22	4/7/22	-	-	-	<5
	pH	pH		1	4/7/22	4/7/22	-	-	-	8.52
	TSS	mg/L		1	4/7/22	4/7/22	-	-	-	31

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)

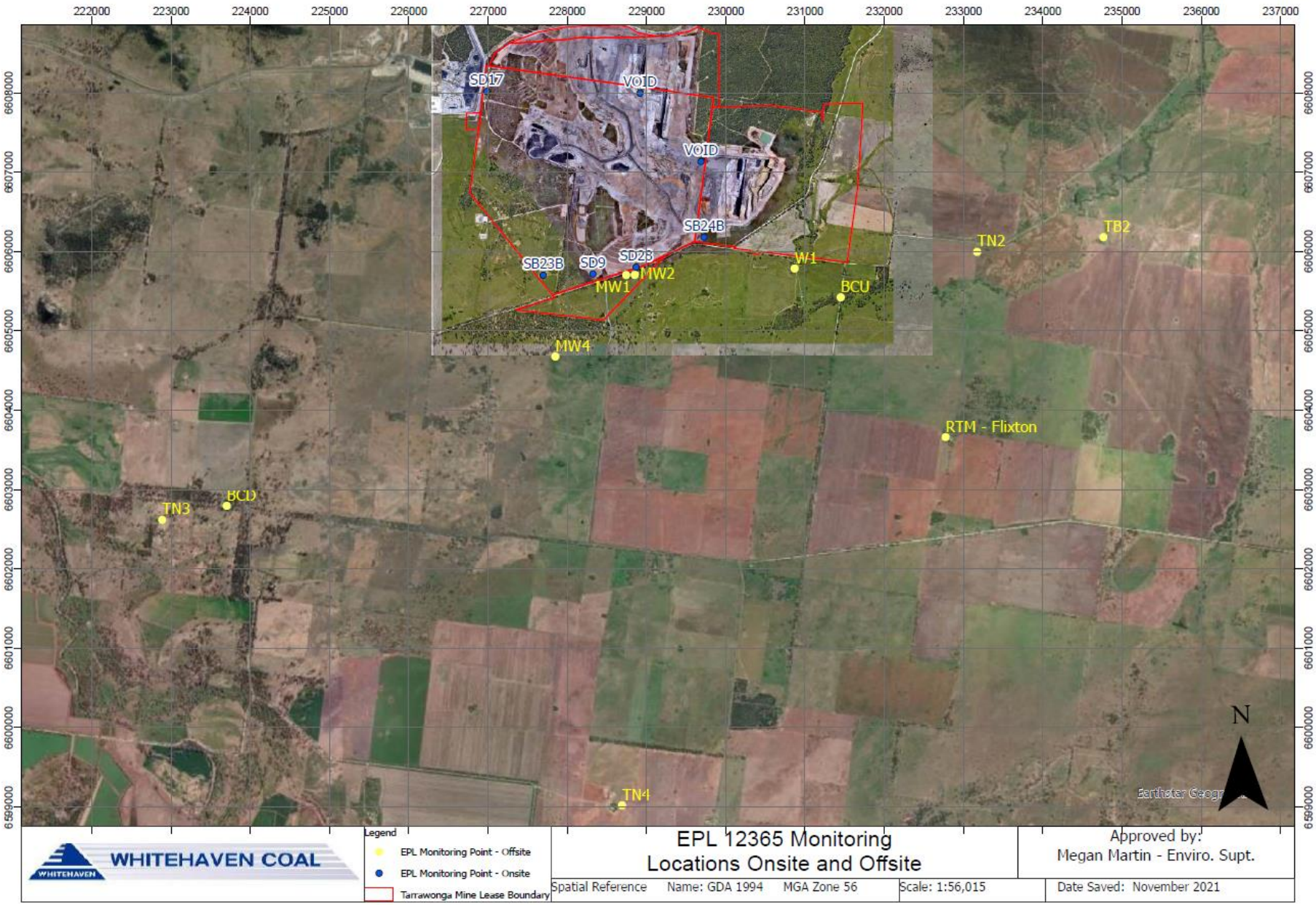
July	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compli-ance /breach	Date Obtained
Coomalgah	**Blast Noise**	**dB (Lin Peak)**	**Every Blast**	9	96.13	103.30	**120**	**Nil**	12/07/2022
	Blast Vibra-tion	**mm/s**	**Every Blast**	9	0.29	0.70	**10**	**Nil**	11/07/2022

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/m³)	Continuous	0.14	9.03	45.22

*****_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 2022
Obtained Date: 6/09/2022
Publication Date: 7/09/2022

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 during discharge event
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	
6	TSS	mg/L	Upon discharge	1	05/08	05/08	-	-	-	43	
	Conductivity	µS/cm		1	05/08	05/08	-	-	-	34	
	Oil & Grease	mg/L		1	05/08	05/08	-	-	-	<5	
	pH	pH		1	05/08	05/08	-	-	-	6.68	

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	05/08	05/08	-	35	50	-	-
	Conductivity	µS/cm		1	05/08	05/08	-	250	NA	-	
	Oil & Grease	mg/L		1	05/08	05/08	-	<5	10	-	
	pH	pH		1	05/08	05/08	-	7.46	6.5 – 8.5	-	
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		-	-	-	-	-	-	-	

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
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	18/08	18/08	-	-	-	1050
	Oil & Grease	mg/L		1	18/08	18/08	-	-	-	<5
	pH	pH		1	18/08	18/08	-	-	-	8.59
	TSS	mg/L		1	18/08	18/08	-	-	-	18

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)

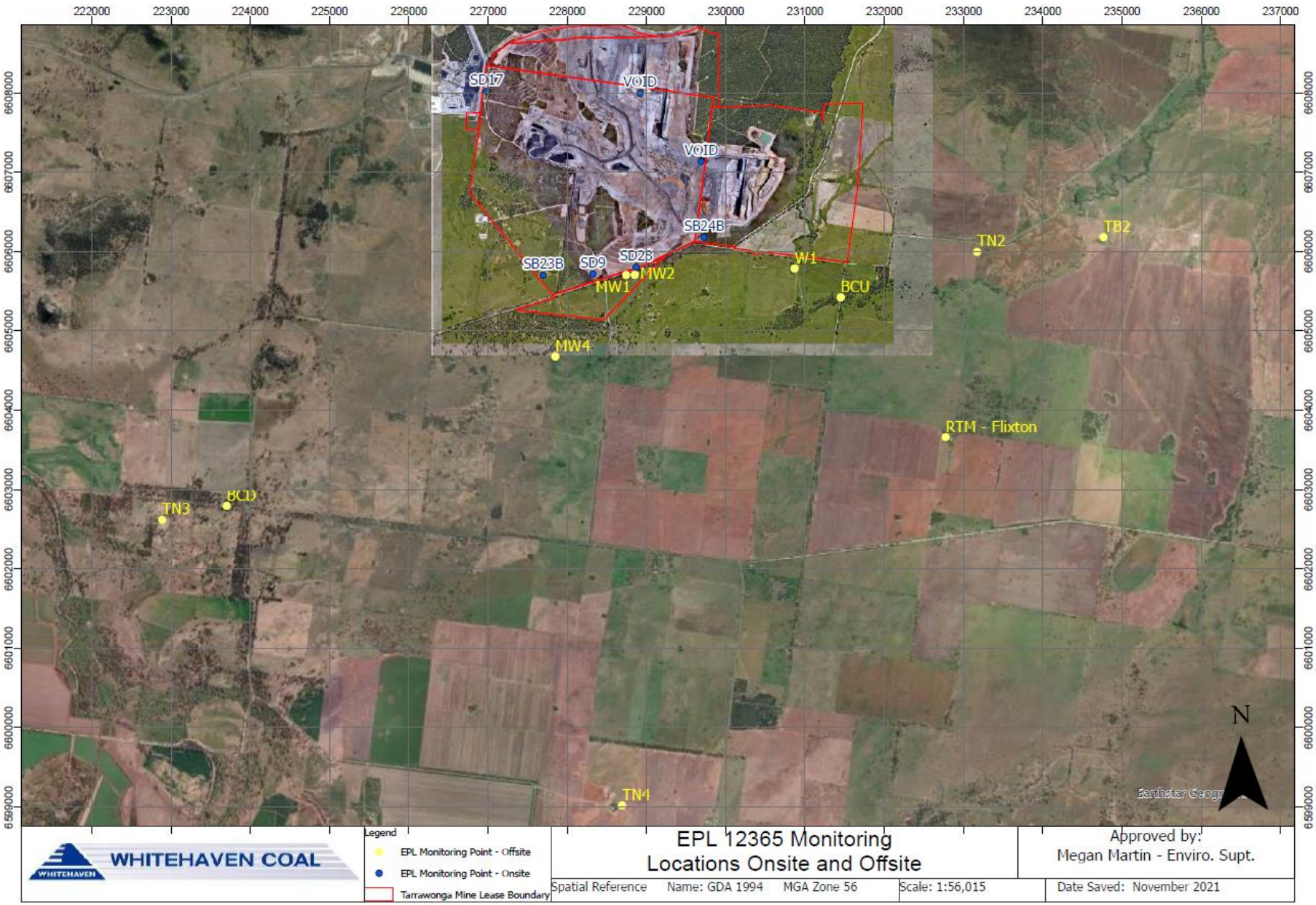
July	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compli-ance /breach	Date Obtained
Coomalgah	**Blast Noise**	**dB (Lin Peak)**	**Every Blast**	11	94.08	106.9	**120**	**Nil**	30/08/2022
	Blast Vibra-tion	**mm/s**	**Every Blast**	11	0.20	0.41	**10**	**Nil**	24/08/2022

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 ($\mu g/m^3$)	Continuous	0.1	9.8	75.2

*****_Mine owned property – no limit applies_

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 2022
Obtained Date: 20/10/2022
Publication Date: 25/10/2022

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	2	05/09, 30/09	05/09	8	17.5	17.5	27	Creek flowing. Sample taken after water release from LDPs
	Conductivity	µS/cm		2	05/09, 30/09	30/09	166	273	273	380	
	Oil & Grease	mg/L		2	05/09, 30/09	-	<5	<5	<5	<5	
	pH	pH		2	05/09, 30/09	30/09	7.25	7.75	7.75	8.24	
6	TSS	mg/L	Upon discharge	3	05/09, 27/09, 30/09	05/09	12	18.67	14	30	Creek flowing. Sample taken after water release from LDPs
	Conductivity	µS/cm		3	05/09, 27/09, 30/09	30/09	154	224	236	282	
	Oil & Grease	mg/L		3	05/09, 27/09, 30/09	-	<5	<5	<5	<5	
	pH	pH		3	05/09, 27/09, 30/09	30/09	7.22	7.56	7.62	7.84	

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	19/09	-	-	87	50	Yes	Sample taken after approx. 68.8mm of rain, therefore limit for TSS does not apply
	Conductivity	µS/cm		1	19/09	-	-	257	NA	NA	
	Oil & Grease	mg/L		1	19/09	-	-	<5	10	No	
	pH	pH		1	19/09	-	-	7.84	6.5 – 8.5	No	
2	TSS	mg/L	Upon discharge	3	2/09, 16/09, 27/09	16/09	11	166	50	Yes	Sample from the 16th taken after approx. 68.8mm of rain, therefore limit for TSS does not apply. The 2nd and 27th were controlled releases.
	Conductivity	µS/cm		3	2/09, 16/09, 27/09	2/09	302	410	NA	NA	
	Oil & Grease	mg/L		3	2/09, 16/09, 27/09	-	<5	<5	10	No	
	pH	pH		3	2/09, 16/09, 27/09	2/09	7.53	7.93	6.5 – 8.5	No	
3	TSS	mg/L	Upon discharge	1	16/09	-	-	708	50	Yes	Sample taken after approx. 68.8mm of rain, therefore limit for TSS does not apply
	Conductivity	µS/cm		1	16/09	-	-	202	NA	NA	
	Oil & Grease	mg/L		1	16/09	-	-	<5	10	No	
	pH	pH		1	16/09	-	-	7.33	6.5 – 8.5	No	

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
26	TSS	mg/L	Upon discharge	2	19/09, 27/09	19/09	10	36	50	No	-
	Conductivity	µS/cm		2	19/09, 27/09	19/09	130	132	NA	NA	
	Oil & Grease	mg/L		2	19/09, 27/09	-	<5	<5	10	No	
	pH	pH		2	19/09, 27/09	27/09	7.46	7.5	6.5 – 8.5	No	
27	TSS	mg/L	Upon discharge	1	19/09	-	-	1680	50	Yes	Sample taken after approx. 68.8mm of rain, therefore limit for TSS does not apply
	Conductivity	µS/cm		1	19/09	-	-	290	NA	NA	
	Oil & Grease	mg/L		1	19/09	-	-	<5	10	No	
	pH	pH		1	19/09	-	-	7.59	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)	1	28/09	28/09	-	-	-	3470
	Lead	mg/L		1	28/09	28/09	-	-	-	0.006
	pH	pH		1	28/09	28/09	-	-	-	7.8
	Standing Water Level	metres		1	28/09	28/09	-	-	-	7.13
10	Conductivity	µS/cm	6 monthly – (Mar- Sep)	1	28/09	28/09	-	-	-	754
	Lead	mg/L		1	28/09	28/09	-	-	-	0.003
	pH	pH		1	28/09	28/09	-	-	-	7.03
	Standing Water Level	metres		1	28/09	28/09	-	-	-	3.45
12	Conductivity	µS/cm	6 monthly – (Mar- Sep)	1	28/09	28/09	-	-	-	3000
	Lead	mg/L		1	28/09	28/09	-	-	-	0.002
	pH	pH		1	28/09	28/09	-	-	-	7.64
	Standing Water Level	metres		1	28/09	28/09	-	-	-	9.52
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 – 26 September 2022 (evening)

Location	Time	Total dB(A), Leq (15 min)	Wind speed / direction / PSC[1]	Identified Noise Sources
Matong – TN2	8:43pm	30	2.2 / 035 / E	Birds (29), traffic (22), **TCM (<20)**
Barbers Lagoon – TN3	9:30pm	46	1.9 / 055 / F	Birds (43), frogs (40), insects (40), traffic (32), **TCM (<20)**
Bungalow – TN4	7:54pm	38	2.6 / 037 / E	Insects (37), frogs (30), traffic (26), **TCM (<20)**

1. Pasquill Stability Class

Table 2
TCM Operational Noise Monitoring Results – 26 – 27 September 2022 (night)

Location	Time	Total dB(A), Leq (15 min)	Wind speed / direction / PSC	Identified Noise Sources
Matong – TN2	11:17pm	31	2.2 / 080 / D	Birds (30), traffic (23), **TCM (<20)**
Barbers Lagoon – TN3	10:00pm	38	1.2 / 064 / D	Birds (37), frogs (31), traffic (25), **TCM (<20)**
Bungalow – TN4	12:34am	30	1.8 / 053 / E	Insects (29), traffic (22), birds (20), **TCM (<20)**

Table 3
TCM Operational Noise Monitoring Results – 27 September 2022 (day)

Location	Time	Total dB(A), Leq (15 min)	Wind speed / direction / PSC	Identified Noise Sources
Matong – TN2	4:06pm	49	4.2 / 290 / A	Birds (49), insects (30), traffic (23), **TCM (<20)**
Barbers Lagoon – TN3	2:22pm	43	1.4 / 133 / A	Birds (43), insects (32), traffic (23), **TCM (<20)**
Bungalow – TN4	12:24pm	46	4.0 / 204 / B	Insects (44), birds (42), traffic (31), **TCM (<20)**

Table 4
TCM Operational Noise Monitoring Results – 27 September 2022 (evening)

Location	Time	Total dB(A), Leq (15 min)	Wind speed / direction / PSC	Identified Noise Sources
Matong – TN2	9:18pm	28	3.8 / 025 / E	Frogs (28), **TCM (<20)**
Barbers Lagoon – TN3	8:30pm	38	2.5 / 033 / E	Frogs (35), birds (35), traffic (24), **TCM (<20)**
Bungalow – TN4	7:49pm	40	2.6 / 039 / E	Birds (40), frogs (28), insects (25), traffic (24), **TCM (<20)**

Table 5 TCM Operational Noise Monitoring Results – 27 - 28 September 2022 (night)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC**	**Identified Noise Sources**
Matong – TN2	10:00pm	30	1.4 / 079 / F	Birds (27), frogs (25), insects (21), **TCM (<20)**
Barbers Lagoon – TN3	11:18pm	38	1.4 / 320 / D	Frogs (37), insects (31), **TCM (21)**
Bungalow – TN4	12:34am	36	1.9 / 070 / D	Insects (33), frogs (32), **TCM (23)**

Table 6 TCM Operational Noise Monitoring Results – 28 September 2022 (day)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC**	**Identified Noise Sources**
Matong – TN2	3:51pm	52	5.8 / 344 / D	Traffic (52), birds (41), wind (28), **TCM (<20)**
Barbers Lagoon – TN3	1:54pm	49	7.2 / 296 / C	Birds (48), traffic (40), insects (35), **TCM (<20)**
Bungalow – TN4	12:12pm	41	3.1 / 260 / B	Insects (39), birds (35), traffic (28), **TCM (<20)**

Table 7 TCM Operational Noise Monitoring Results – 28 September 2022 (evening)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC**	**Identified Noise Sources**
Matong – TN2	9:28pm	36	0.2 / 013 / F	Frogs (34), birds (32), **TCM (<20)**
Barbers Lagoon – TN3	8:37pm	34	1.6 / 331 / D	Birds (32), frogs (30), **TCM (<20)**
Bungalow – TN4	7:53pm	32	2.4 / 340 / D	Birds (30), traffic (27), **TCM (<20)**
Table 8 **TCM Operational Noise Monitoring Results – 28 – 29 September 2022 (night)**				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC**	**Identified Noise Sources**
Matong – TN2	10:00pm	29	1.7 / 024 / D	Birds (26), insects (23), frogs (22), **TCM (<20)**
Barbers Lagoon – TN3	11:18pm	36	0.9 / 057 / D	Birds (35), frogs (29), insects (23), **TCM (<20)**
Bungalow – TN4	12:35am	30	0.8 / 049 / E	Frogs (28), insects (24), **TCM (<20)**

Table 9 TCM Operational Noise Monitoring Results – 29 September 2022 (day)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC**	**Identified Noise Sources**
Matong – TN2	3:55pm	54	2.2 / 255 / C	Traffic (53), birds (47), insects (23), **TCM (<20)**
Barbers Lagoon – TN3	2:07pm	42	2.4 / 193 / A	Birds (41), traffic (34), **TCM (<20)**
Bungalow – TN4	12:23pm	42	1.2 / 229 / A	Birds (42), traffic (23), **TCM (<20)**

Table 10 TCM Operational Noise Monitoring Results – 29 September 2022 (evening)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC**	**Identified Noise Sources**
Matong – TN2	9:26pm	31	0.6 / 071 / F	Frogs (29), birds (25), insects (22), **TCM (<20)**
Barbers Lagoon – TN3	8:38pm	38	0.6 / 189 / E	Insects (38), frogs (25), **TCM (<20)**
Bungalow – TN4	7:53pm	34	1.9 / 169 / E	Birds (31), insects (30), frogs (24), traffic (21), **TCM (<20)**

Table 11 TCM Operational Noise Monitoring Results – 29 – 30 September 2022 (night)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC**	**Identified Noise Sources**
Matong – TN2	10:00pm	29	2.2 / 150 / E	Birds (26), insects (24), frogs (22), **TCM (<20)**
Barbers Lagoon – TN3	11:17pm	36	2.4 / 178 / D	Birds (36), insects (24), frogs (21), **TCM (<20)**
Bungalow – TN4	12:32am	38	3.0 / 168 / D	Insects (37), frogs (31), **TCM (<20)**

Table 12 TCM Operational Noise Monitoring Results – 30 September 2022 (day)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC**	**Identified Noise Sources**
Matong – TN2	2:18pm	50	6.8 / 160 / D	Wind (48), traffic (44), birds (39), **TCM (<20)**
Barbers Lagoon – TN3	12:30pm	55	6.9 / 171 / D	Traffic (55), birds (42), lawnmower nearby (39), **TCM (<20)**
Bungalow – TN4	10:45am	52	5.8 / 162 / C	Traffic (52), birds (39), **TCM (<20)**

Table 13 TCM Sleep Disturbance Monitoring Results – 26 – 27 September 2022 (night)					
Location	**Time**	**dB(A) L1 (1 min)[1]**	**dB(A) L1 (1 min)[2]**	**L1 Source**	**Wind speed / direction / PSC**
Matong – TN2	11:17pm	50	<20	Birds	2.2 / 080 / D
Barbers Lagoon – TN3	10:00pm	54	<20	Birds	1.2 / 064 / D
Bungalow – TN4	12:34am	60	<20	Birds	1.8 / 053 / E

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

Table 14 TCM Sleep Disturbance Monitoring Results – 27 – 28 September 2022 (night)					
Location	**Time**	**dB(A) L1 (1 min)[1]**	**dB(A) L1 (1 min)[2]**	**L1 Source**	**Wind speed / direction / PSC**
Matong – TN2	10:00pm	58	<20	Birds	1.4 / 079 / F
Barbers Lagoon – TN3	11:18pm	60	25	Insects	1.4 / 320 / D
Bungalow – TN4	12:34am	62	27	Insects	1.9 / 070 / D

Table 15 TCM Sleep Disturbance Monitoring Results – 28 – 29 September 2022 (night)					
Location	**Time**	**dB(A) L1 (1 min)[1]**	**dB(A) L1 (1 min)[2]**	**L1 Source**	**Wind speed / direction / PSC**
Matong – TN2	10:00pm	52	<20	Birds	1.7 / 024 / D
Barbers Lagoon – TN3	11:18pm	54	<20	Birds	0.9 / 057 / D
Bungalow – TN4	12:35am	52	<20	Frogs	0.8 / 049 / E

Table 16 TCM Sleep Disturbance Monitoring Results – 29 – 30 September 2022 (night)					
Location	**Time**	**dB(A) L1 (1 min)[1]**	**dB(A) L1 (1 min)[2]**	**L1 Source**	**Wind speed / direction / PSC**
Matong – TN2	10:00pm	57	<20	Birds	2.2 / 150 / E
Barbers Lagoon – TN3	11:17pm	56	<20	Birds	2.4 / 178 / D
Bungalow – TN4	12:32am	53	<20	Insects	3.0 / 168 / D

Table 5 – Monthly Monitoring (Blasts – Limits Apply)

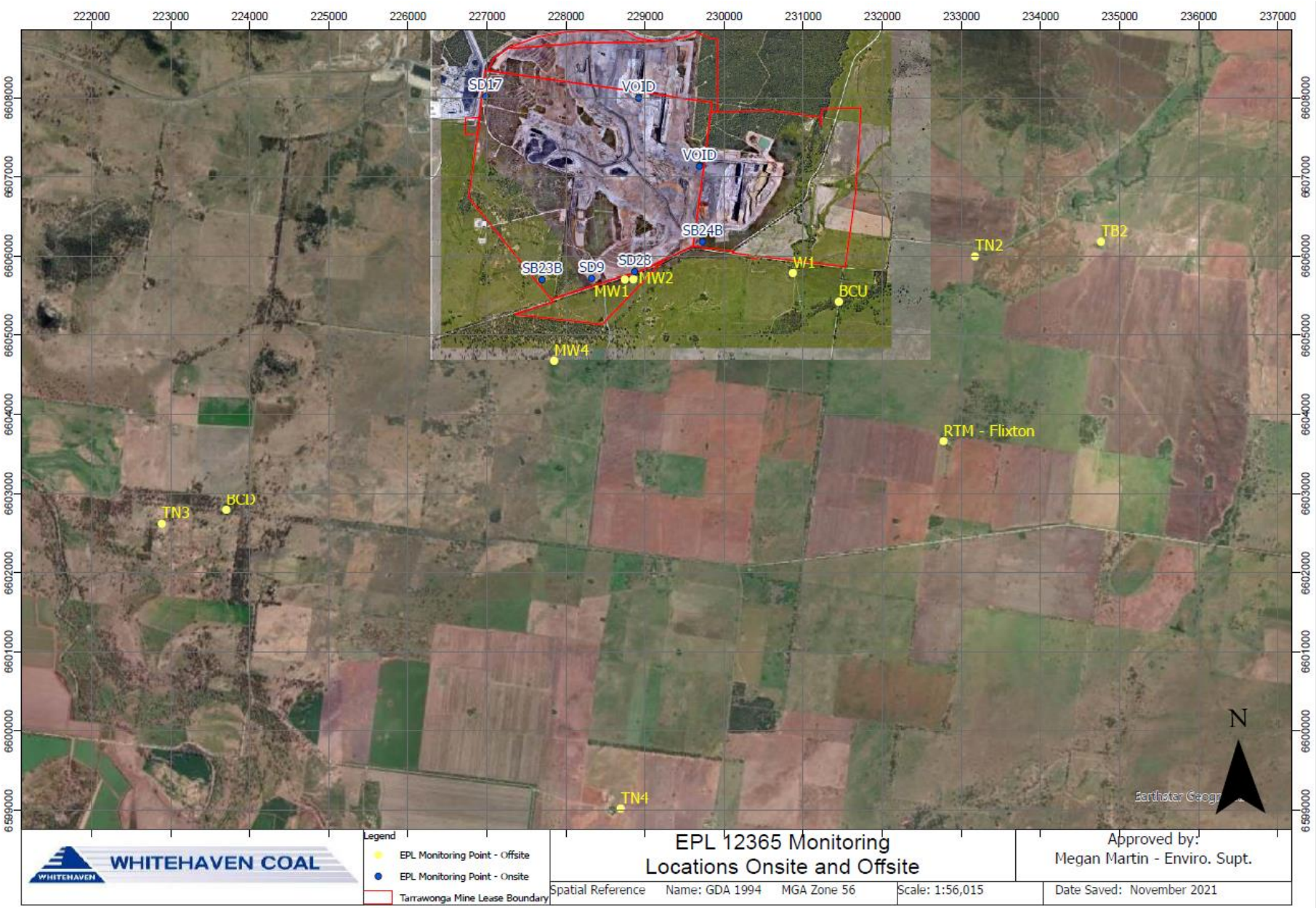
July	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compli-ance /breach	Date Obtained
Coomalgah	**Blast Noise**	**dB (Lin Peak)**	**Every Blast**	7	96.74	112.4	**120**	**Nil**	16/09/2022
	Blast Vibra-tion	**mm/s**	**Every Blast**	7	0.21	0.58	**10**	**Nil**	09/09/2022

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 ($\mu g/m^3$)	Continuous	0.38	9.31	43.68

*****_Mine owned property – no limit applies_

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 2022
Obtained Date: 9/11/2022
Publication Date: 17/11/2022

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	6	7th, 9th, 21st, 25th, 28th, 31st	9/10	17	43.5	45	72	Creeks flowing. Samples taken after water release from LDPs
	Conductivity	µS/cm		6	7th, 9th, 21st, 25th, 28th, 31st	7/10	159	349.7	374	514	
	Oil & Grease	mg/L		6	7th, 9th, 21st, 25th, 28th, 31st	-	<5	<5	<5	<5	
	pH	pH		6	7th, 9th, 21st, 25th, 28th, 31st	31/10	7.05	7.7	7.7	8.04	
6	TSS	mg/L	Upon discharge	7	7th, 9th, 21st, 23rd, 25th, 28th, 31st	9/10	<5	17.3	8	71	Creeks flowing. Samples taken after water release from LDPs
	Conductivity	µS/cm		7	7th, 9th, 21st, 23rd, 25th, 28th, 31st	31/10	94	234.4	246	341	
	Oil & Grease	mg/L		7	7th, 9th, 21st, 23rd, 25th, 28th, 31st	-	<5	<5	<5	<5	

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
	pH	pH		7	7th, 9th, 21st, 23rd, 25th, 28th, 31st	31/10	6.98	7.4	7.3	7.84	

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	3	7/10, 23/10, 31/10	23/10	18	55	50	Yes	Sample from the 23rd was taken after approx. 103.2mm of rain, therefore limit for TSS does not apply. The 7th & 31st were controlled releases.
	Conductivity	µS/cm		3	7/10, 23/10, 31/10	31/10	179	185	NA	NA	
	Oil & Grease	mg/L		3	7/10, 23/10, 31/10		<5	<5	10	No	
	pH	pH		3	7/10, 23/10, 31/10	31/10	7.28	7.71	6.5 – 8.5	No	
2	TSS	mg/L	Upon discharge	3	7/10, 9/10, 21/10	9/10	12	284	50	Yes	Sample from the 9th & 21st taken after major rain events, therefore limit for TSS
	Conductivity	µS/cm		3	7/10, 9/10, 21/10	7/10	308	338	NA	NA	
	Oil & Grease	mg/L		3	7/10, 9/10,		<5	<5	10	No	

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
					21/10						does not apply. The 9th was controlled release.
	pH	pH		3	7/10, 9/10, 21/10	7/10	7.41	7.88	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	3	9/10, 25/10, 28/10	9/10	7	117	50	Yes	Sample from the 9th & 25th taken after major rain events, therefore limit for TSS does not apply. The 28th was controlled release.
	Conductivity	µS/cm		3	9/10, 25/10, 28/10	9/10	112	119	NA	NA	
	Oil & Grease	mg/L		3	9/10, 25/10, 28/10		<5	<5	10	No	
	pH	pH		3	9/10, 25/10, 28/10	9/10	7.14	7.47	6.5 – 8.5	No	
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)

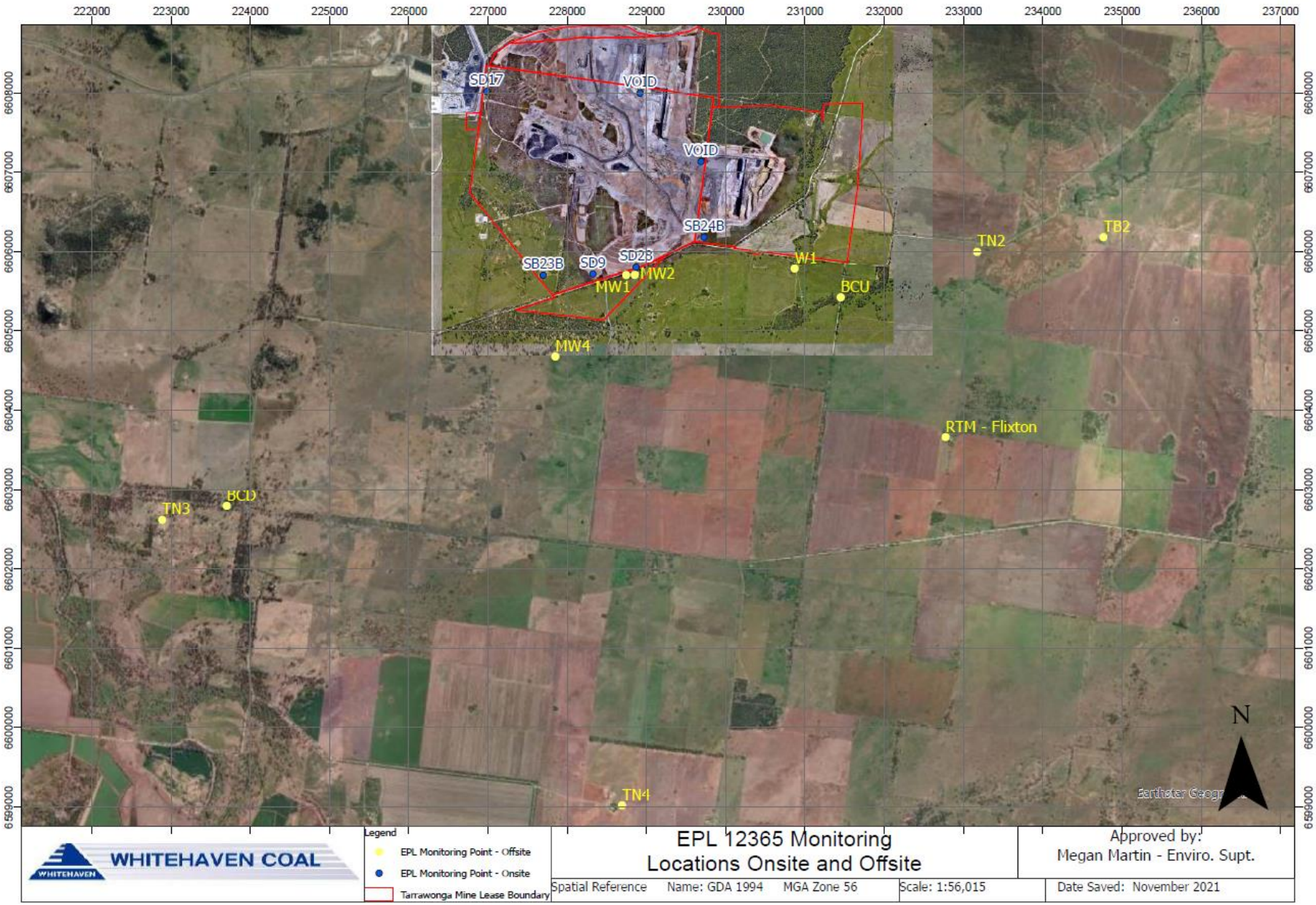
Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date of Max. Value Obtained
Coomalgah (TB2)	**Blast Noise**	**dB (Lin Peak)**	**Every Blast**	5	89.92	93.3	**120**	**Nil**	21/10/22
	Blast Vibration	**mm/s**	**Every Blast**	5	0.44	1.3	**10**	**Nil**	21/10/22

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 ($\mu g/m^3$)	Continuous	0.03	10.18	119.09

*****_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 2022
Obtained Date: 19/12/2022
Publication Date: 19/12/2022

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	4	1/11, 14/11, 16/11, 25/11	14/11	18	146	79	408	Creeks flowing. Samples taken after water release from LDPs
	Conductivity	µS/cm		4	1/11, 14/11, 16/11, 25/11	25/11	273	405	401	546	
	Oil & Grease	mg/L		4	1/11, 14/11, 16/11, 25/11	-	<5	<5	<5	<5	
	pH	pH		4	1/11, 14/11, 16/11, 25/11	25/11	7.67	7.8	7.8	8.02	
6	TSS	mg/L	Upon discharge	4	1/11, 14/11, 16/11, 25/11	14/11	8	20	21	30	Creeks flowing. Samples taken after water release from LDPs
	Conductivity	µS/cm		4	1/11, 14/11, 16/11, 25/11	25/11	79	212	188	393	
	Oil & Grease	mg/L		4	1/11, 14/11, 16/11, 25/11	-	<5	<5	<5	<5	
	pH	pH		4	1/11, 14/11, 16/11, 25/11	25/11	7	7.5	7.5	7.93	

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	1/11, 14/11	1/11	46	233	50	Yes	Samples taken after major rain events, therefore limit for TSS does not apply.
	Conductivity	µS/cm		2	1/11, 14/11	1/11	142	152	NA	NA	
	Oil & Grease	mg/L		2	1/11, 14/11	-	<5	<5	10	No	
	pH	pH		2	1/11, 14/11	14/11	7.5	7.7	6.5 – 8.5	No	
2	TSS	mg/L	Upon discharge	3	1/11, 14/11, 25/11	1/11	16	213	50	Yes	Sample from the 1st & 14th taken after major rain events, therefore limit for TSS does not apply. The 25th was controlled release.
	Conductivity	µS/cm		3	1/11, 14/11, 25/11	1/11	254	339	NA	NA	
	Oil & Grease	mg/L		3	1/11, 14/11, 25/11	-	<5	<5	10	No	
	pH	pH		3	1/11, 14/11, 25/11	14/11	7.81	7.9	6.5 – 8.5	No	
3	TSS	mg/L	Upon discharge	2	1/11, 14/11	1/11	161	220	50	Yes	Samples taken after major rain events, therefore limit for TSS does not apply.
	Conductivity	µS/cm		2	1/11, 14/11	14/11	328	401	NA	NA	
	Oil & Grease	mg/L		2	1/11, 14/11	-	<5	<5	10	No	
	pH	pH		2	1/11, 14/11	14/11	7.7	7.9	6.5 – 8.5	No	

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
26	TSS	mg/L	Upon discharge	2	1/11, 16/11	1/11	68	447	50	Yes	Samples taken after major rain events, therefore limit for TSS does not apply.
	Conductivity	µS/cm		2	1/11, 16/11	1/11	130	132	NA	NA	
	Oil & Grease	mg/L		2	1/11, 16/11	-	<5	<5	10	No	
	pH	pH		2	1/11, 16/11	1/11	7.4	7.6	6.5 – 8.5	No	
27	TSS	mg/L	Upon discharge	2	1/11, 14/11	14/11	2820	4380	50	Yes	Samples taken after major rain events, therefore limit for TSS does not apply.
	Conductivity	µS/cm		2	1/11, 14/11	14/11	96	147	NA	NA	
	Oil & Grease	mg/L		2	1/11, 14/11		<5	<5	10	No	
	pH	pH		2	1/11, 14/11	14/11	7.1	7.7	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	18/11/22	18/11/22	-	-	-	1850
	Oil & Grease	mg/L		1	18/11/22	18/11/22	-	-	-	<5
	pH	pH		1	18/11/22	18/11/22	-	-	-	8.5
	TSS	mg/L		1	18/11/22	18/11/22	-	-	-	7

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 – 28 November 2022 (evening)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC[1]**	**Identified Noise Sources**
Matong – TN2	9:28pm	43	1.8 / 269 / G	Insects (43), frogs (29), **TCM (<20)**
Barbers Lagoon – TN3	8:00pm	42	3.0 / 276 / E	Insects (41), frogs (35), traffic (31), **TCM (<20)**
Bungalow – TN4	8:40pm	49	2.6 / 267 / F	Insects (49), frogs (31), **TCM (<20)**

1. Pasquill Stability Class

Table 2 TCM Operational Noise Monitoring Results – 28 – 29 November 2022 (night)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC**	**Identified Noise Sources**
Matong – TN2	10:00pm	43	0.9 / 254 / F	Insects (43), frogs (24), cows (24), **TCM (<20)**
Barbers Lagoon – TN3	12:30am	41	0.9 / 087 / E	Insects (40), frogs (33), **TCM (<20)**
Bungalow – TN4	11:18pm	45	1.1 / 064 / E	Insects (45), frogs (27), **TCM (<20)**

Table 3 TCM Operational Noise Monitoring Results – 29 November 2022 (day)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC**	**Identified Noise Sources**
Matong – TN2	2:46pm	39	1.9 / 010 / A	Birds (38), insects (30), **TCM (<20)**
Barbers Lagoon – TN3	11:17am	44	3.3 / 307 / A	Birds (44), insects (30), **TCM (<20)**
Bungalow – TN4	12:58pm	36	2.0 / 002 / A	Birds (35), insects (29), **TCM (<20)**

Table 4 TCM Operational Noise Monitoring Results – 29 November 2022 (evening)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC**	**Identified Noise Sources**
Matong – TN2	9:24pm	37	1.5 / 062 / D	Insects (37), frogs (23), **TCM (<20)**
Barbers Lagoon – TN3	7:56pm	51	1.5 / 181 / E	Insects (48), birds (45), traffic (42), frogs (41), **TCM (<20)**
Bungalow – TN4	8:36pm	47	1.2 / 048 / E	Insects (47), frogs (34), **TCM (<20)**

Table 5 TCM Operational Noise Monitoring Results – 29 - 30 November 2022 (night)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC**	**Identified Noise Sources**
Matong – TN2	10:00pm	35	1.7 / 073 / E	Insects (35), dogs (24), **TCM (<20)**
Barbers Lagoon – TN3	12:29am	46	6.1 / 122 / D	Insects (45), frogs (37), dog (35), **TCM (<20)**
Bungalow – TN4	11:30pm	47	1.8 / 105 / E	Insects (47), frogs (36), **TCM (<20)**

Table 6 TCM Operational Noise Monitoring Results – 30 November 2022 (day)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC**	**Identified Noise Sources**
Matong – TN2	2:38pm	40	3.8 / 137 / D	Birds (39), insects (31), **TCM (<20)**
Barbers Lagoon – TN3	11:10am	50	4.2 / 126 / C	Traffic (50), birds (39), insects (29), **TCM (<20)**
Bungalow – TN4	12:51pm	36	2.5 / 167 / C	Traffic (35), birds (25), insects (22), **TCM (<20)**

Table 7 TCM Operational Noise Monitoring Results – 30 November 2022 (evening)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC**	**Identified Noise Sources**
Matong – TN2	9:18pm	48	1.3 / 324 / E	Insects (48), birds (37), frogs (22), **TCM (<20)**
Barbers Lagoon – TN3	7:48pm	51	1.4 / 095 / F	Traffic (49), birds (46), frogs (36), insects (31), **TCM (<20)**
Bungalow – TN4	8:28pm	43	1.8 / 040 / F	Insects (43), birds (29), frogs (26), **TCM (<20)**

Table 8 TCM Operational Noise Monitoring Results – 30 November – 1 December 2022 (night)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC**	**Identified Noise Sources**
Matong – TN2	10:00pm	44	1.6 / 002 / E	Insects (44), **TCM (<20)**
Barbers Lagoon – TN3	12:29am	48	4.1 / 091 / E	Insects (48), traffic (36), frogs (34), **TCM (<20)**
Bungalow – TN4	11:18pm	46	2.3 / 169 / E	Insects (46), cows (31), frogs (24), **TCM (<20)**

Table 9 TCM Operational Noise Monitoring Results – 1 December 2022 (day)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC**	**Identified Noise Sources**
Matong – TN2	2:42pm	51	4.2 / 102 / D	Traffic (51), birds (34), insects (33), **TCM (<20)**
Barbers Lagoon – TN3	11:16am	58	3.9 / 133 / B	Traffic (58), birds (43), insects (26), **TCM (<20)**
Bungalow – TN4	12:55pm	45	4.4 / 133 / C	Traffic (45), birds (29), insects (21), **TCM (<20)**

Table 10 TCM Operational Noise Monitoring Results – 1 December 2022 (evening)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC**	**Identified Noise Sources**
Matong – TN2	9:28pm	45	2.7 / 140 / D	Insects (42), frogs (42), **TCM (<20)**
Barbers Lagoon – TN3	7:55pm	41	1.8 / 142 / E	Traffic (37), birds (37), frogs (33), insects (29), **TCM (<20)**
Bungalow – TN4	8:36pm	45	2.3 / 179 / E	Insects (45), frogs (29), **TCM (<20)**

Table 11 TCM Operational Noise Monitoring Results – 1 - 2 December 2022 (night)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC**	**Identified Noise Sources**
Matong – TN2	10:00pm	45	1.3 / 167 / D	Frogs (44), insects (38), **TCM (<20)**
Barbers Lagoon – TN3	12:31am	38	1.8 / 092 / D	Insects (38), frogs (27), **TCM (<20)**
Bungalow – TN4	11:18pm	37	2.1 / 165 / E	Insects (37), frogs (21), **TCM (<20)**

Table 12 TCM Operational Noise Monitoring Results – 2 December 2022 (day)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed / direction / PSC**	**Identified Noise Sources**
Matong – TN2	12:08pm	44	3.5 / 171 / C	Birds (44), insects (33), **TCM (<20)**
Barbers Lagoon – TN3	9:34am	52	5.8 / 172 / B	Traffic (51), birds (46), insects (29), **TCM (<20)**
Bungalow – TN4	10:48am	38	4.6 / 179 / B	Birds (38), insects (26), **TCM (<20)**

Table 5 – Monthly Monitoring (Blasts – Limits Apply)

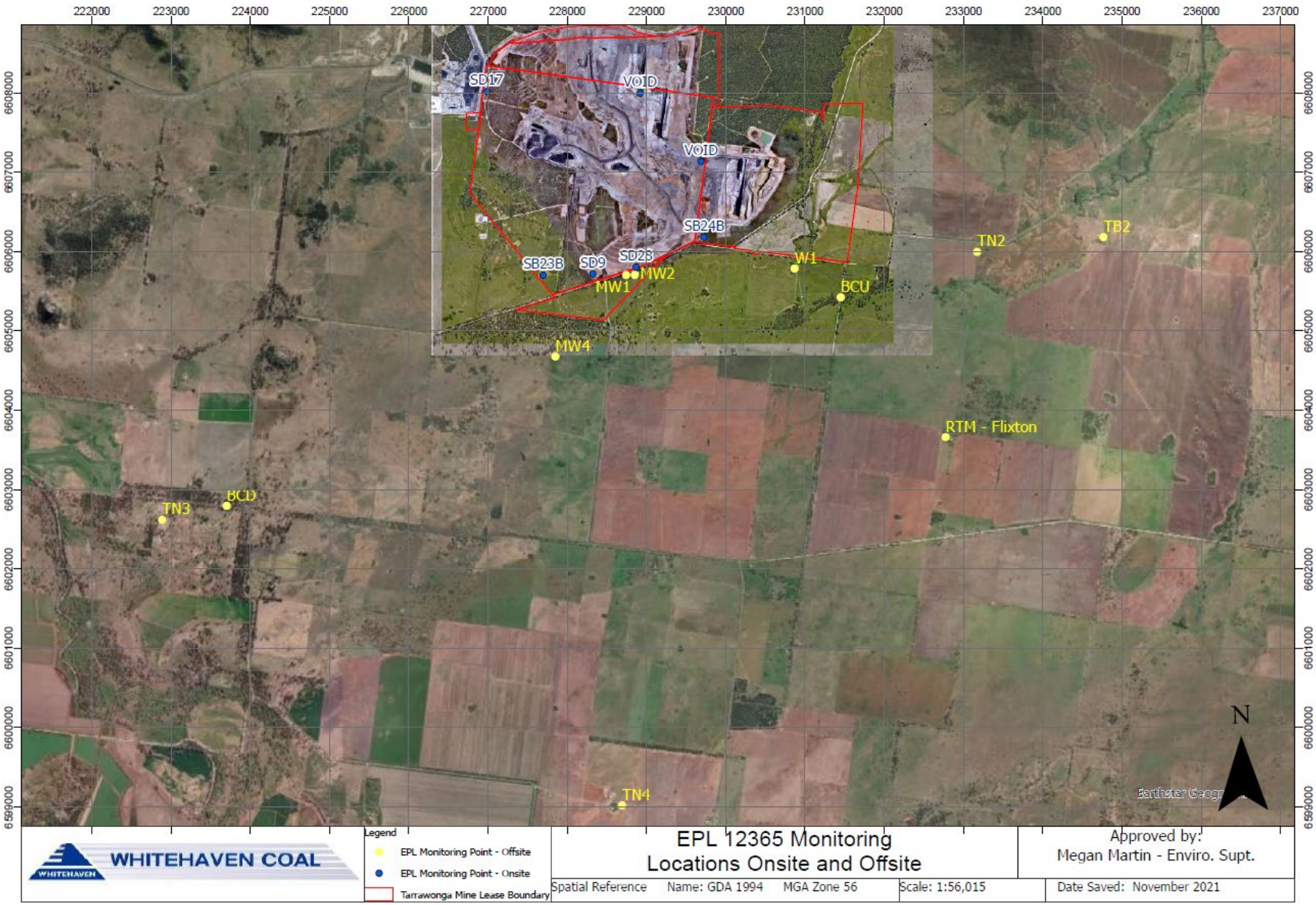
November	Parameter	Units of Meas-ure	Frequency	No. of Blasts for the Month	Aver-age Value	Max Value	100%ile Limit	(Potential) Non-compli-ance /breach	Date Ob-tained
Coomalgah	Blast Noise	dB (Lin Peak)	Every Blast	3	95.43	104.50	**120**	**Nil**	12-11-22
	Blast Vibra-tion	mm/s	Every Blast	3	0.67	1.50	**10**	**Nil**	12-11-22

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 (µg/m^3)	Continuous	0.9	13.9	152.9

*****_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: December 2022
Obtained Date: 6/01/2023
Publication Date: 9/01/2023

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 December

Table 5 – Monthly Monitoring (Blasts – Limits Apply)

November	Parameter	Units of Meas-ure	Frequency	No. of Blasts for the Month	Aver-age Value	Max Value	100%ile Limit	(Potential) Non-compli-ance /breach	Date Ob-tained
Coomalgah	Blast Noise	dB (Lin Peak)	Every Blast	5	100.98	112.10	**120**	**Nil**	17-12-22
	Blast Vibra-tion	mm/s	Every Blast	5	0.33	0.65	**10**	**Nil**	17-12-22

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 (µg/m^3)	Continuous	1	16.5	209.4

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

Figure 1 – EPL 12365 Monitoring Locations