

TARRAWONGA COAL MINE – MONTHLY MONITORING SUMMARY

Site Information

EPL No: 12365

EPA Website Link: <http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=30902&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 2013

Publication Date: 15th February 2013

Table 1 - No Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max Value
5	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-
	Conductivity	ms/cm		0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
6	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-
	Conductivity	ms/cm		0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
7	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-
	Conductivity	ms/cm		0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
8	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-
	Conductivity	ms/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 Obtained	Min Value	Max Value	100%ile Limit	Exceedance (Yes/No)	Comments
1	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
2	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
3	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
4 (No longer exists)	TSS	mg/L	Upon discharge	-	-	-	-	-	50	-	-
	Oil & Grease	mg/L		-	-	-	-	-	10	-	-
	pH	pH		-	-	-	-	-	6.5-8.5	-	-
24	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
25	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
26	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
27	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-

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 Obtained	Min Value	Mean Value	Median Value	Max Value
9	Conductivity	ms/cm	6 monthly	0	-	-	-	-	-	-
	Lead	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Standing Water Level	metres		0	-	-	-	-	-	-
10	Conductivity	ms/cm	6 monthly	0	-	-	-	-	-	-
	Lead	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Standing Water Level	metres		0	-	-	-	-	-	-
11	Conductivity	ms/cm	6 monthly	0	-	-	-	-	-	-
	Lead	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Standing Water Level	metres		0	-	-	-	-	-	-
12	Conductivity	ms/cm	6 monthly	0	-	-	-	-	-	-
	Lead	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Standing Water Level	metres		0	-	-	-	-	-	-
13	Conductivity	ms/cm	Quarterly	0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	TSS	mg/L		0	-	-	-	-	-	-

Table 4 – Monitoring (Noise – Limits Apply)

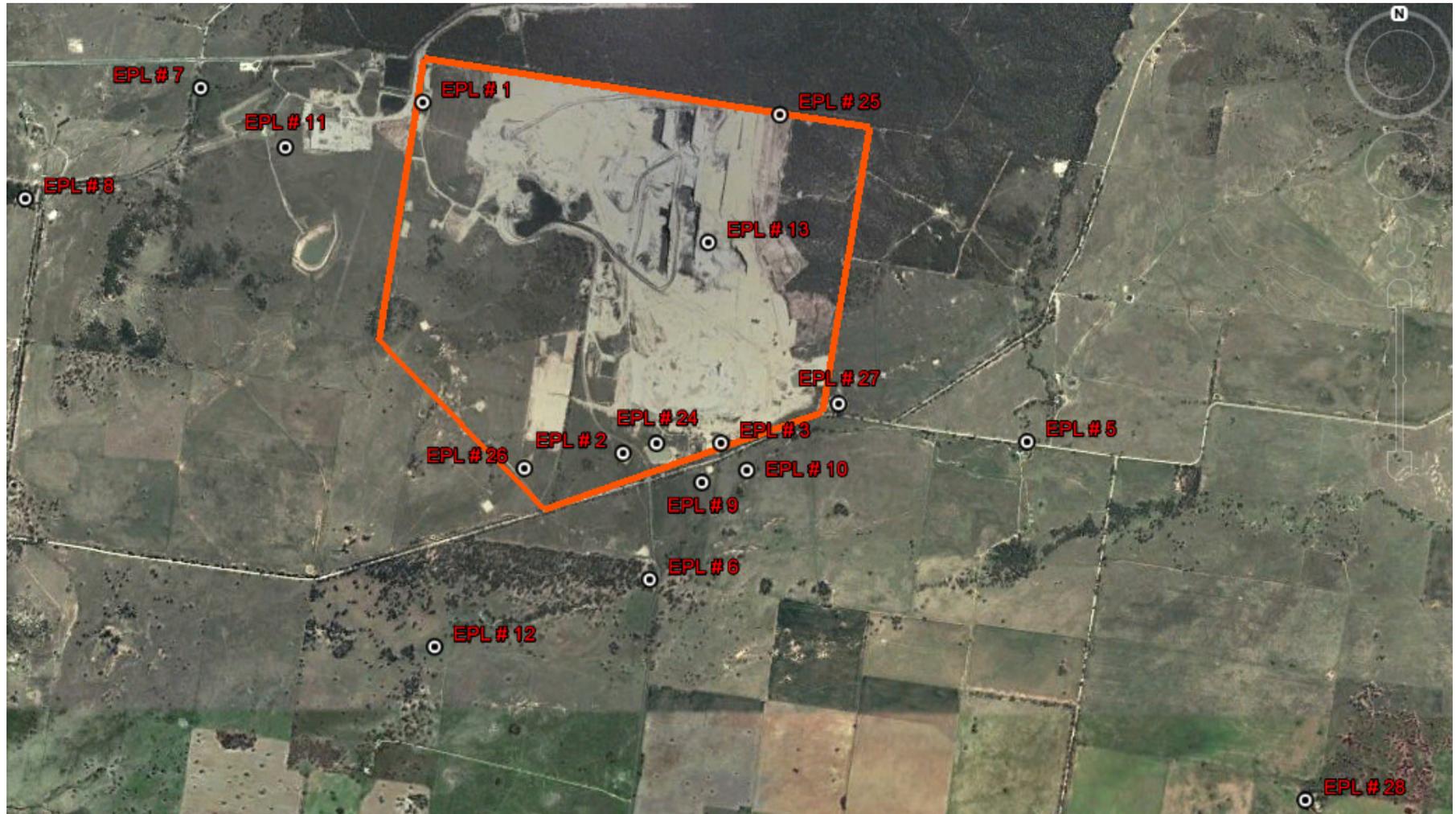
EPL ID	Date	Start Time	Measurement period	Measured Levels – dB(A) L _{eq} 15min Day	Measured Levels – dB(A) L _{eq} 15min Evening	Measured Levels – dB(A) L _{eq} 15min Night	Measured Levels – dB(A) L _{A1} (1 min) Night	Limit	Weather	Compliant (Yes/No)	Comments
Tarrawonga											No monitoring this month
											No monitoring this month
											No monitoring this month
											No monitoring this month
											No monitoring this month

Note: Measured noise levels refer to noise attributable to Tarrawonga Coal Mine

Table 5 – 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
Tarrawonga	Blast Noise	dB (Lin Peak)	Every Blast	4	102.7	110.9	120	No
	Blast Vibration	mm/s	Every Blast	4	0.2765	0.4975	10	No
Templemore	Blast Noise	dB (Lin Peak)	Every Blast	4	106	110.5	120	No
	Blast Vibration	mm/s	Every Blast	4	1.4655	1.7910	10	No

Figure 1 – EPL 12365 Monitoring Locations



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Site Information

EPL No: 12365

EPA Website Link: <http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=30902&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 2013

Publication Date: 13th March 2013

Table 1 - No Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max Value
5	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-
	Conductivity	ms/cm		0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
6	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-
	Conductivity	ms/cm		0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
7	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-
	Conductivity	ms/cm		0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
8	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-
	Conductivity	ms/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 Obtained	Min Value	Max Value	100%ile Limit	Exceedance (Yes/No)	Comments
1	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
2	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
3	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
4 (No longer exists)	TSS	mg/L	Upon discharge	-	-	-	-	-	50	-	-
	Oil & Grease	mg/L		-	-	-	-	-	10	-	-
	pH	pH		-	-	-	-	-	6.5-8.5	-	-
24	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
25	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
26	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
27	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-

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 Obtained	Min Value	Mean Value	Median Value	Max Value
9	Conductivity	ms/cm	6 monthly	0	-	-	-	-	-	-
	Lead	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Standing Water Level	metres		0	-	-	-	-	-	-
10	Conductivity	ms/cm	6 monthly	0	-	-	-	-	-	-
	Lead	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Standing Water Level	metres		0	-	-	-	-	-	-
11	Conductivity	ms/cm	6 monthly	0	-	-	-	-	-	-
	Lead	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Standing Water Level	metres		0	-	-	-	-	-	-
12	Conductivity	ms/cm	6 monthly	0	-	-	-	-	-	-
	Lead	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Standing Water Level	metres		0	-	-	-	-	-	-
13	Conductivity	ms/cm	Quarterly	0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	TSS	mg/L		0	-	-	-	-	-	-

Table 4 – Monitoring (Noise – Limits Apply)

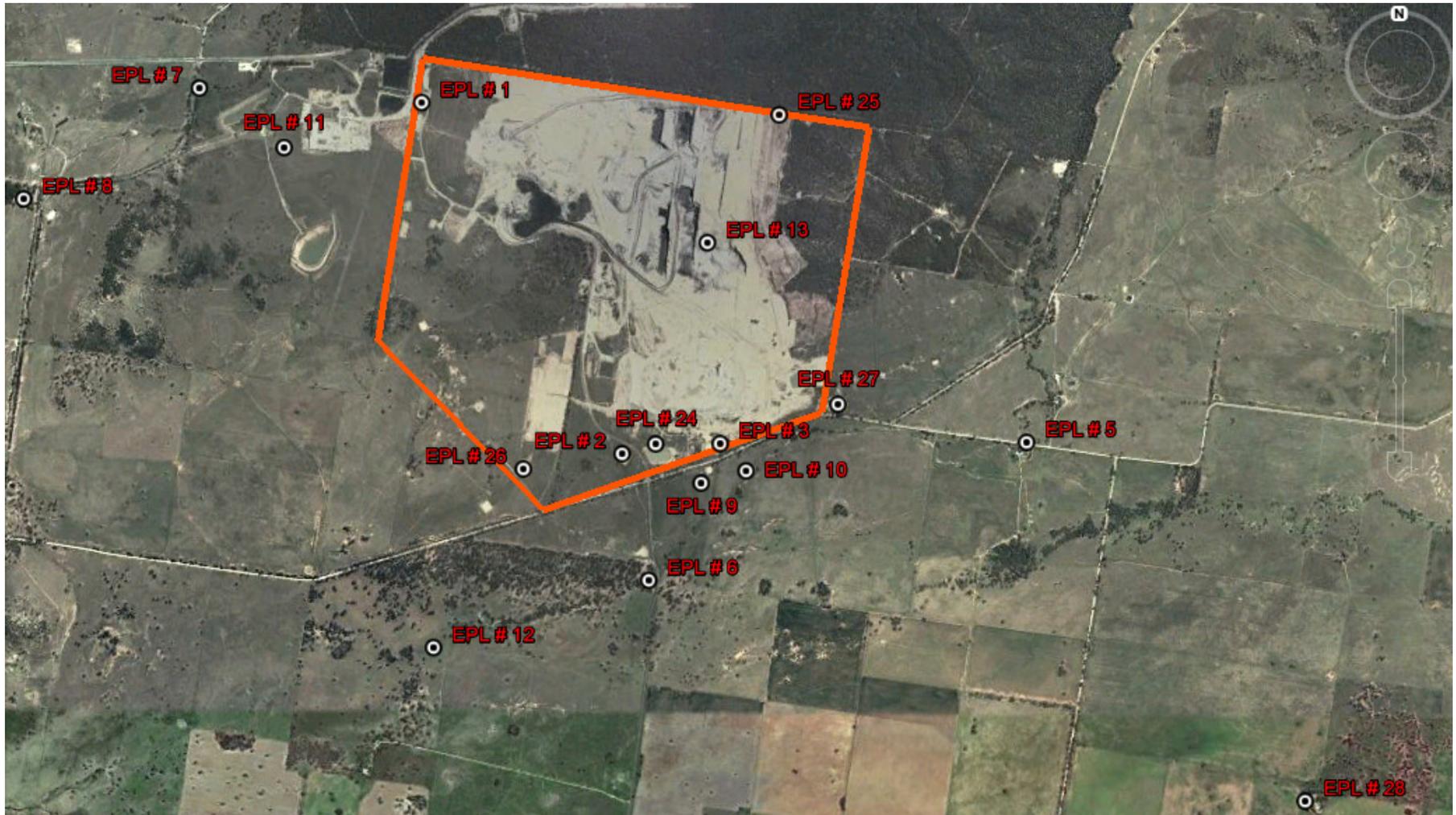
EPL ID	Date	Start Time	Measurement period	Measured Levels – dB(A) L _{eq} 15min Day	Measured Levels – dB(A) L _{eq} 15min Evening	Measured Levels – dB(A) L _{eq} 15min Night	Measured Levels – dB(A) L _{A1} (1 min) Night	Limit	Weather	Compliant (Yes/No)	Comments
Tarrawonga											No monitoring this month
											No monitoring this month
											No monitoring this month
											No monitoring this month
											No monitoring this month

Note: Measured noise levels refer to noise attributable to Tarrawonga Coal Mine

Table 5 – 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
Tarrawonga	Blast Noise	dB (Lin Peak)	Every Blast	4	111.0	111.0	120	No
	Blast Vibration	mm/s	Every Blast	4	0.080	0.080	10	No
Templemore	Blast Noise	dB (Lin Peak)	Every Blast	4	105.68	111.70	120	No
	Blast Vibration	mm/s	Every Blast	4	0.8290	0.9831	10	No

Figure 1 – EPL 12365 Monitoring Locations



TARRAWONGA COAL MINE – MONTHLY MONITORING SUMMARY

Site Information

EPL No: 12365

EPA Website Link: <http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=32390&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 2013

Publication Date: 11th April 2013

Table 1 - No Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max or Only Value
5	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-
	Conductivity	ms/cm		0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
6	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-
	Conductivity	ms/cm		0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
7	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-
	Conductivity	ms/cm		0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
8	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-
	Conductivity	ms/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 Obtained	Min Value	Max or Only Value	100%ile Limit	Exceedance (Yes/No)	Comments
1	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
2	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
3	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
4 (No longer exists)	TSS	mg/L	Upon discharge	-	-	-	-	-	50	-	-
	Oil & Grease	mg/L		-	-	-	-	-	10	-	-
	pH	pH		-	-	-	-	-	6.5-8.5	-	-
24	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
25	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
26	TSS	mg/L	Upon discharge	1	4/3/13	13/3/13	-	752	50	-	Rainfall exceeded 38.4mm
	Oil & Grease	mg/L		1	4/3/13	13/3/13	-	<5	10	-	
	pH	pH		1	4/3/13	13/3/13	-	7.92	6.5-8.5	-	
27	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-

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 Obtained	Min Value	Mean Value	Median Value	Max or Only Value
9	Conductivity	ms/cm	6 monthly	1	20/3/13	28/3/13	-	-	-	3400
	Lead	mg/L		1	20/3/13	28/3/13	-	-	-	0.008
	pH	pH		1	20/3/13	28/3/13	-	-	-	7.65
	Standing Water Level	metres		1	20/3/13	28/3/13	-	-	-	6.15
10	Conductivity	ms/cm	6 monthly	1	20/3/13	28/3/13	-	-	-	686
	Lead	mg/L		1	20/3/13	28/3/13	-	-	-	0.006
	pH	pH		1	20/3/13	28/3/13	-	-	-	6.90
	Standing Water Level	metres		1	20/3/13	28/3/13	-	-	-	2.82
11	Conductivity	ms/cm	6 monthly	1	7/3/13	19/3/13	-	-	-	1830
	Lead	mg/L		1	7/3/13	19/3/13	-	-	-	<0.001
	pH	pH		1	7/3/13	19/3/13	-	-	-	7.68
	Standing Water Level	metres		1	7/3/13	19/3/13	-	-	-	10.02
12	Conductivity	ms/cm	6 monthly	1	20/3/13	28/3/13	-	-	-	3730
	Lead	mg/L		1	20/3/13	28/3/13	-	-	-	0.006
	pH	pH		1	20/3/13	28/3/13	-	-	-	7.65
	Standing Water Level	metres		1	20/3/13	28/3/13	-	-	-	8.92
13	Conductivity	ms/cm	Quarterly	1	6/3/13	14/3/13	-	-	-	1620
	Oil & Grease	mg/L		1	6/3/13	14/3/13	-	-	-	<5
	pH	pH		1	6/3/13	14/3/13	-	-	-	8.23
	TSS	mg/L		1	6/3/13	14/3/13	-	-	-	16

Table 4 – Monitoring (Noise – Limits Apply)

EPL ID	Date	Start Time	Measurement period	Measured Levels – dB(A) <i>L</i> _{eq} 15min Day	Measured Levels – dB(A) <i>L</i> _{eq} 15min Evening	Measured Levels – dB(A) <i>L</i> _{eq} 15min Night	Measured Levels – dB(A) <i>L</i> _{A1} (1 min) Night	Limit	Weather	Compliant (Yes/No)	Comments
Tarrawonga	18/3/13	9:05am	90 minutes	32				35	5.4m/s 127°	Yes	Privately owned – landholder advised of compulsory acquisition rights
	18/3/13	9:29pm	30 minutes		Inaudible			35	6.3m/s 146°	Yes	
	19/3/13	1:15am	60 minutes			39		35	Stability class D	Yes	
	19/3/13	1:15am	60 minutes				47	45	Stability class D	Yes	
	19/3/13	1:52pm	90 minutes	25				35	2.6m/s 146°	Yes	
	19/3/13	9:22pm	30 minutes		33			35	3.7m/s 140°	Yes	
	20/3/13	1:17am	60 minutes			34		35	3.1m/s 86°	Yes	
	20/3/13	1:17am	60 minutes				41	45	3.1m/s 86°	Yes	
	20/3/13	9:53am	90 minutes	26				35	2.6m/s 64°	Yes	
	20/3/13	7:31pm	30 minutes		28			35	1.2m/s 343°	Yes	
	30/3/13	1:05am	60 minutes			38		35	6.5m/s 27°	Yes	
30/3/13	1:05am	60 minutes				47	45	6.5m/s 27°	Yes		

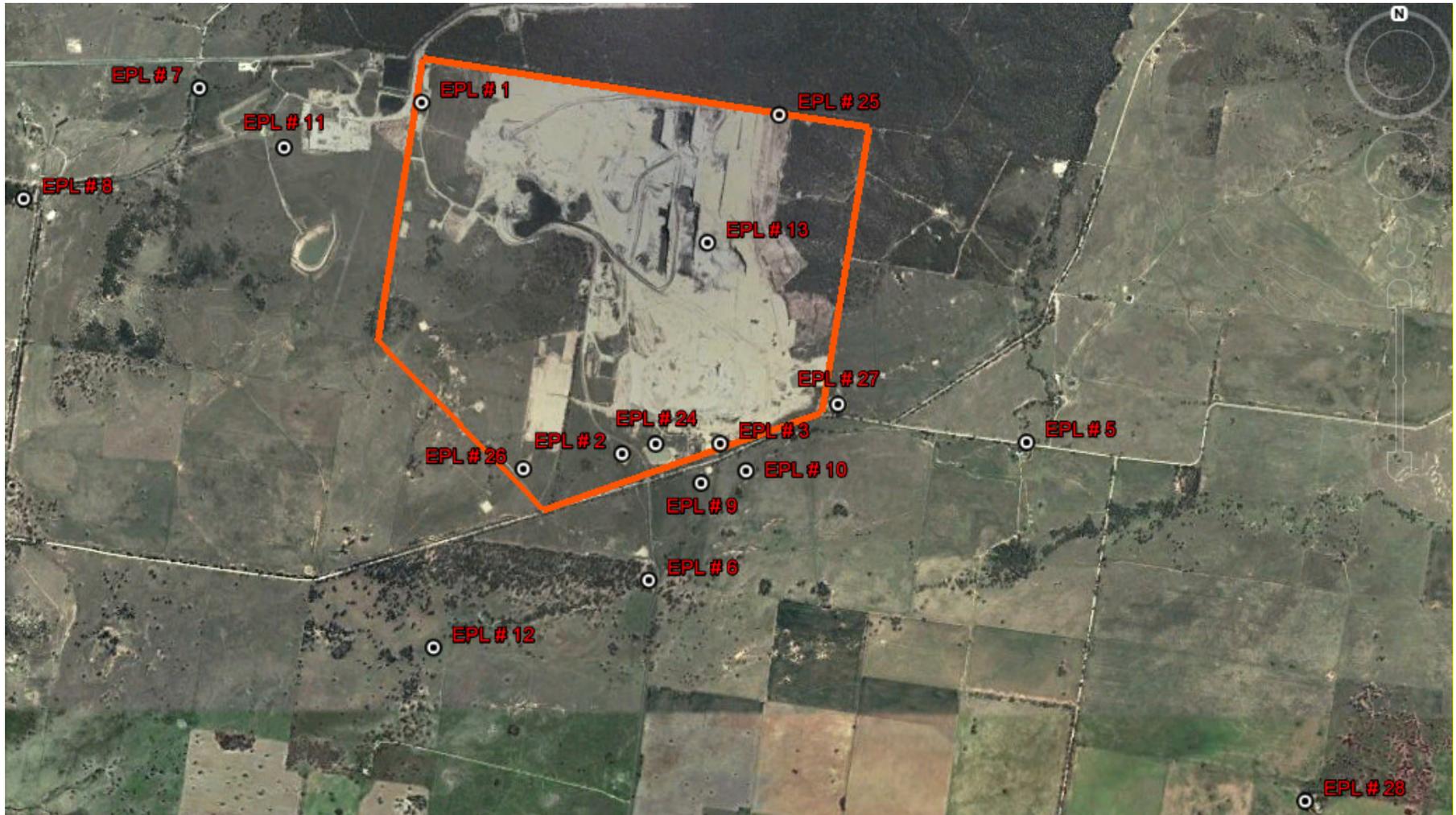
Note: Measured noise levels refer to noise attributable to Tarrawonga Coal Mine

Table 5 – 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
Tarrawonga	Blast Noise	dB (Lin Peak)	Every Blast	3	DNT*	DNT	120	No
	Blast Vibration	mm/s	Every Blast	3	DNT	DNT	10	No
Templemore	Blast Noise	dB (Lin Peak)	Every Blast	3	108.90	115.70	120	No
	Blast Vibration	mm/s	Every Blast	3	0.6444	0.9300	10	No

* Did Not Trigger

Figure 1 – EPL 12365 Monitoring Locations



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Site Information

EPL No: 12365

EPA Website Link: <http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=32390&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 2013

Publication Date: 1st May 2013

Table 1 - No Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max or Only Value
5	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-
	Conductivity	ms/cm		0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
6	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-
	Conductivity	ms/cm		0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
7	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-
	Conductivity	ms/cm		0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
8	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-
	Conductivity	ms/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 Obtained	Min Value	Max or Only Value	100%ile Limit	Exceedance (Yes/No)	Comments
1	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
2	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
3	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
4 (No longer exists)	TSS	mg/L	Upon discharge	-	-	-	-	-	50	-	-
	Oil & Grease	mg/L		-	-	-	-	-	10	-	-
	pH	pH		-	-	-	-	-	6.5-8.5	-	-
24	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
25	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
26	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
27	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-

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 Obtained	Min Value	Mean Value	Median Value	Max or Only Value
9	Conductivity	ms/cm	6 monthly	0	-	-	-	-	-	-
	Lead	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Standing Water Level	metres		0	-	-	-	-	-	-
10	Conductivity	ms/cm	6 monthly	0	-	-	-	-	-	-
	Lead	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Standing Water Level	metres		0	-	-	-	-	-	-
11	Conductivity	ms/cm	6 monthly	0	-	-	-	-	-	-
	Lead	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Standing Water Level	metres		0	-	-	-	-	-	-
12	Conductivity	ms/cm	6 monthly	0	-	-	-	-	-	-
	Lead	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Standing Water Level	metres		0	-	-	-	-	-	-
13	Conductivity	ms/cm	Quarterly	0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	TSS	mg/L		0	-	-	-	-	-	-

Table 4 – Monitoring (Noise – Limits Apply)

EPL ID	Date	Start Time	Measurement period	Measured Levels – dB(A) <i>L</i> _{eq} 15min Day	Measured Levels – dB(A) <i>L</i> _{eq} 15min Evening	Measured Levels – dB(A) <i>L</i> _{eq} 15min Night	Measured Levels – dB(A) <i>L</i> _{A1} (1 min) Night	Limit	Weather	Compliant (Yes/No)	Comments
Tarrowonga											No monitoring this month

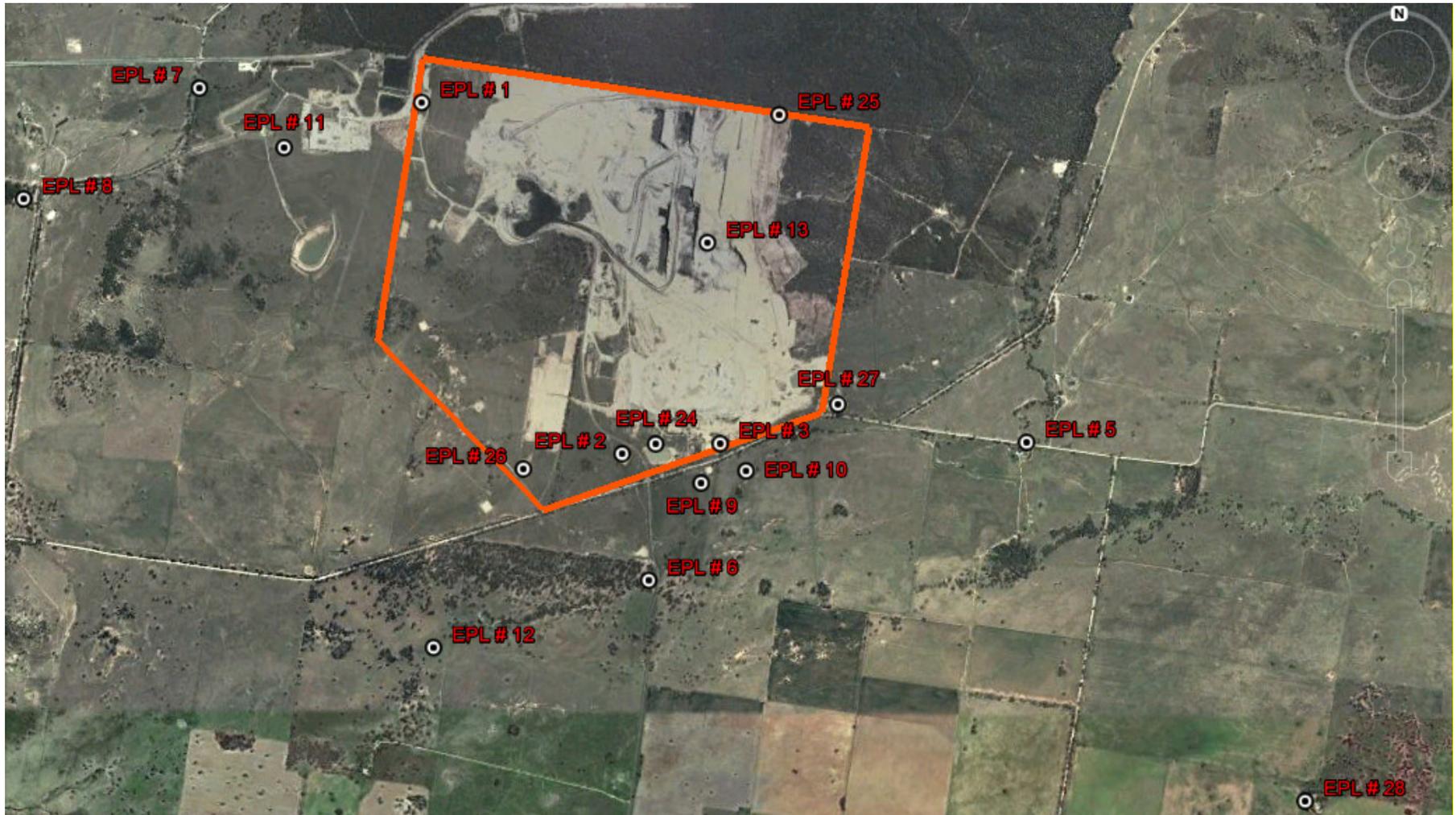
Note: Measured noise levels refer to noise attributable to Tarrowonga Coal Mine

Table 5 – 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
Tarrowonga	Blast Noise	dB (Lin Peak)	Every Blast	5	DNT*	DNT	120	No
	Blast Vibration	mm/s	Every Blast	5	DNT	DNT	10	No
Templemore	Blast Noise	dB (Lin Peak)	Every Blast	5	99.56	105	120	No
	Blast Vibration	mm/s	Every Blast	5	0.43	0.73	10	No

* Did Not Trigger

Figure 1 – EPL 12365 Monitoring Locations



TARRAWONGA COAL MINE – MONTHLY MONITORING SUMMARY

Site Information

EPL No: 12365

EPA Website Link: <http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=32390&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 2013

Publication Date: 13th June 2013

Table 1 - No Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max or Only Value
5	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-
	Conductivity	ms/cm		0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
6	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-
	Conductivity	ms/cm		0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
7	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-
	Conductivity	ms/cm		0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
8	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-
	Conductivity	ms/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 Obtained	Min Value	Max or Only Value	100%ile Limit	Exceedance (Yes/No)	Comments
1	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
2	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
3	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
4 (No longer exists)	TSS	mg/L	Upon discharge	-	-	-	-	-	50	-	-
	Oil & Grease	mg/L		-	-	-	-	-	10	-	-
	pH	pH		-	-	-	-	-	6.5-8.5	-	-
24	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
25	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
26	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
27	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-

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 Obtained	Min Value	Mean Value	Median Value	Max or Only Value
9	Conductivity	ms/cm	6 monthly	0	-	-	-	-	-	-
	Lead	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Standing Water Level	metres		0	-	-	-	-	-	-
10	Conductivity	ms/cm	6 monthly	0	-	-	-	-	-	-
	Lead	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Standing Water Level	metres		0	-	-	-	-	-	-
11	Conductivity	ms/cm	6 monthly	0	-	-	-	-	-	-
	Lead	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Standing Water Level	metres		0	-	-	-	-	-	-
12	Conductivity	ms/cm	6 monthly	0	-	-	-	-	-	-
	Lead	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Standing Water Level	metres		0	-	-	-	-	-	-
13	Conductivity	ms/cm	Quarterly	1	30/05/13	06/06/13	-	-	-	2980
	Oil & Grease	mg/L		1	30/05/13	06/06/13	-	-	-	<5
	pH	pH		1	30/05/13	06/06/13	-	-	-	8.71
	TSS	mg/L		1	30/05/13	06/06/13	-	-	-	45

Table 4 – Monitoring (Noise – Limits Apply)

EPL ID	Date	Start Time	Measurement period	Measured Levels – dB(A) <i>L_{eq} 15min Day</i>	Measured Levels – dB(A) <i>L_{eq} 15min Evening</i>	Measured Levels – dB(A) <i>L_{eq} 15min Night</i>	Measured Levels – dB(A) <i>L_{A1} (1 min) Night</i>	Limit	Weather	Compliant (Yes/No)	Comments
Tarrawonga											No monitoring this month

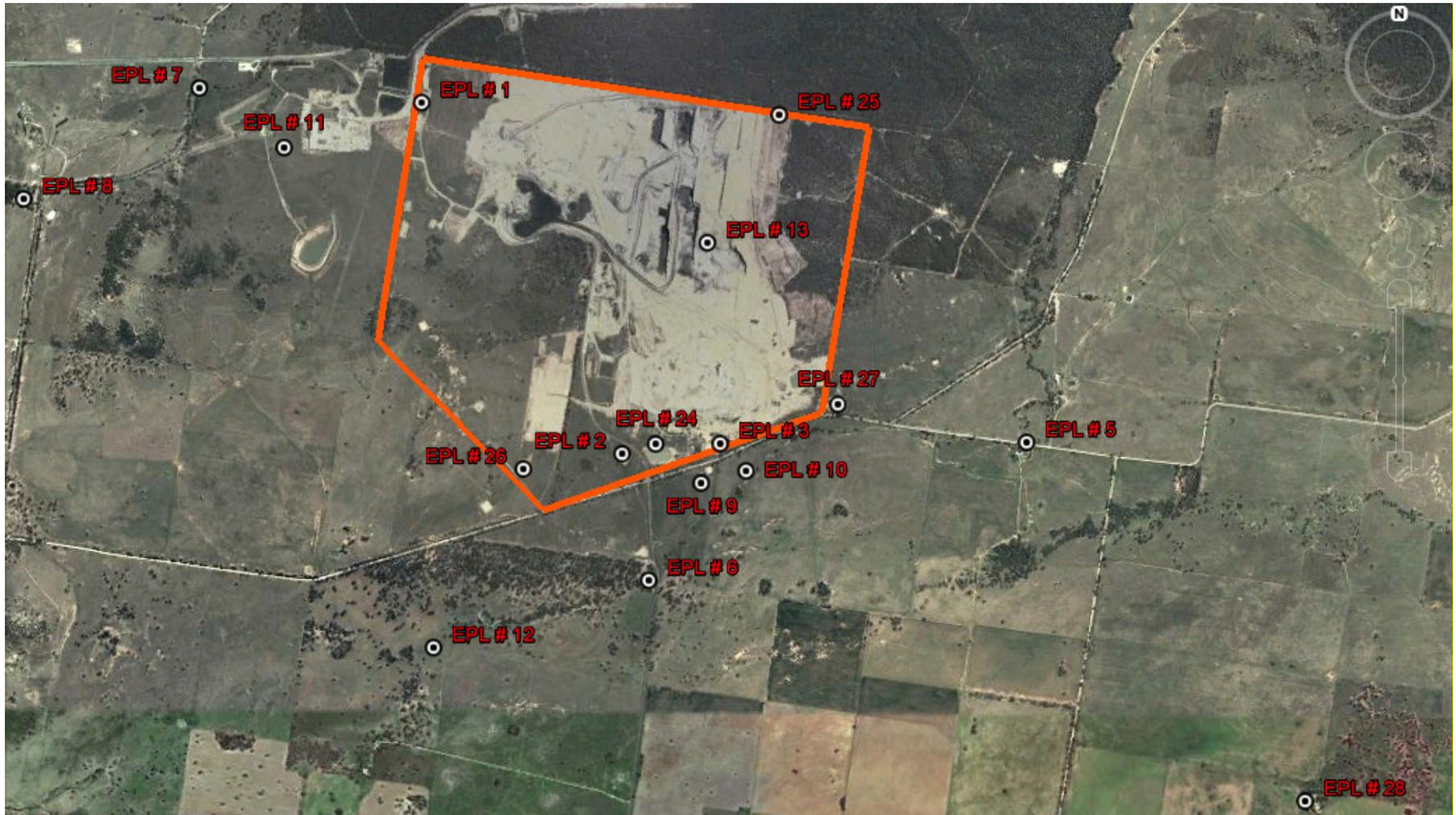
Note: Measured noise levels refer to noise attributable to Tarrawonga Coal Mine

Table 5 – 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
Tarrawonga	Blast Noise	dB (Lin Peak)	Every Blast	5	100.9	100.9	120	No
	Blast Vibration	mm/s	Every Blast	5	0.42	0.42	10	No
Templemore	Blast Noise	dB (Lin Peak)	Every Blast	5	102.2	107.1	120	No
	Blast Vibration	mm/s	Every Blast	5	0.86	1.85	10	No

* Did Not Trigger

Figure 1 – EPL 12365 Monitoring Locations



TARRAWONGA COAL MINE – MONTHLY MONITORING SUMMARY

Site Information

EPL No: 12365

EPA Website Link: <http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=32390&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 2013

Publication Date: 15th July 2013

Table 1 - No Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max or Only Value
5	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-
	Conductivity	ms/cm		0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
6	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-
	Conductivity	ms/cm		0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
7	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-
	Conductivity	ms/cm		0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
8	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-
	Conductivity	ms/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 Obtained	Min Value	Max or Only Value	100%ile Limit	Exceedance (Yes/No)	Comments
1	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
2	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
3	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
4 (No longer exists)	TSS	mg/L	Upon discharge	-	-	-	-	-	50	-	-
	Oil & Grease	mg/L		-	-	-	-	-	10	-	-
	pH	pH		-	-	-	-	-	6.5-8.5	-	-
24	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
25	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
26	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
27	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-

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 Obtained	Min Value	Mean Value	Median Value	Max or Only Value
9	Conductivity	ms/cm	6 monthly	0	-	-	-	-	-	-
	Lead	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Standing Water Level	metres		0	-	-	-	-	-	-
10	Conductivity	ms/cm	6 monthly	0	-	-	-	-	-	-
	Lead	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Standing Water Level	metres		0	-	-	-	-	-	-
11	Conductivity	ms/cm	6 monthly	0	-	-	-	-	-	-
	Lead	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Standing Water Level	metres		0	-	-	-	-	-	-
12	Conductivity	ms/cm	6 monthly	0	-	-	-	-	-	-
	Lead	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Standing Water Level	metres		0	-	-	-	-	-	-
13	Conductivity	ms/cm	Quarterly	0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	TSS	mg/L		0	-	-	-	-	-	-

Table 4 – Monitoring (Noise – Limits Apply)

EPL ID	Date	Start Time	Measurement period	Measured Levels – dB(A) <small>L_{eq} 15min Day</small>	Measured Levels – dB(A) <small>L_{eq} 15min Evening</small>	Measured Levels – dB(A) <small>L_{eq} 15min Night</small>	Measured Levels – dB(A) <small>L_{A1} (1 min) Night</small>	Limit	Weather	Compliant (Yes/No)	Comments
Tarrawonga	26/06/13	9:01am	90 minutes	34				35	0.5 m/s- 27 NNE	YES	Privately owned – landholder advised of compulsory acquisition rights
	26/06/13	7:39pm	30 minutes		34			35	1.9 m/s- 123 SE	YES	
	26/06/13	10:05pm	60 minutes			Inaudible		35	Calm	YES	
	26/06/13	10:05pm	60 minutes				Inaudible	45	Stability Class G	YES	
	27/06/13	1:10pm	90 minutes	32				35	2.7 m/s- 187 S	YES	
	1/07/13	8:18pm	30 minutes		33			35	2.8 m/s- 160 SSE	YES	
	1/07/13	11:10pm	60 minutes			Inaudible		35	1.3 m/s- 144 ESE	YES	
	1/07/13	11:10pm	60 minutes				Inaudible	45	Stability Class D/E	YES	
	2/07/13	9:52am	90 minutes	30				35	3.5 m/s- 120 ESE	YES	
	2/07/13	7:41pm	30 minutes		30			35	0.5 m/s- 125 ESE	YES	
	2/07/13	10:32pm	60 minutes			Inaudible		35	Calm	YES	
	2/07/13	10:32pm	60 minutes				Inaudible	45	Stability Class E/F	YES	

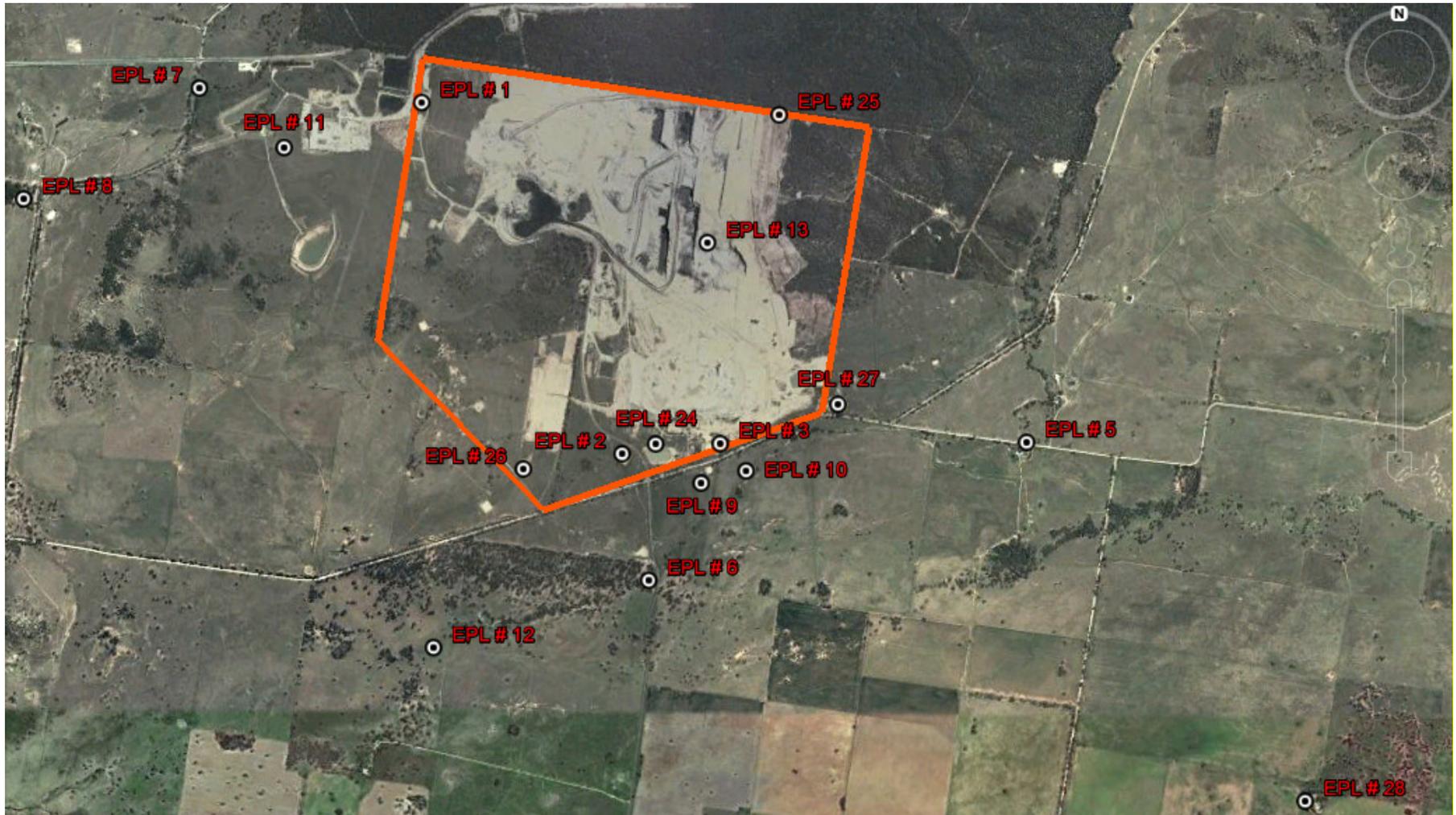
Note: Measured noise levels refer to noise attributable to Tarrawonga Coal Mine

Table 5 – 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
Tarrawonga	Blast Noise	dB (Lin Peak)	Every Blast	5	107.1	109.5	120	No
	Blast Vibration	mm/s	Every Blast	5	1.39	2.43	10	No
Templemore	Blast Noise	dB (Lin Peak)	Every Blast	5	99.8	106.9	120	No
	Blast Vibration	mm/s	Every Blast	5	0.88	1.4	10	No

* Did Not Trigger

Figure 1 – EPL 12365 Monitoring Locations



TARRAWONGA COAL MINE – MONTHLY MONITORING SUMMARY

Site Information

EPL No: 12365

EPA Website Link: <http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=32390&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 2013

Publication Date: 23rd August 2013

Table 1 - No Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max or Only Value
5	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-
	Conductivity	ms/cm		0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
6	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-
	Conductivity	ms/cm		0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
7	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-
	Conductivity	ms/cm		0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
8	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-
	Conductivity	ms/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 Obtained	Min Value	Max or Only Value	100%ile Limit	Exceedance (Yes/No)	Comments
1	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
2	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
3	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
4 (No longer exists)	TSS	mg/L	Upon discharge	-	-	-	-	-	50	-	-
	Oil & Grease	mg/L		-	-	-	-	-	10	-	-
	pH	pH		-	-	-	-	-	6.5-8.5	-	-
24	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
25	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
26	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
27	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-

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 Obtained	Min Value	Mean Value	Median Value	Max or Only Value
9	Conductivity	ms/cm	6 monthly	0	-	-	-	-	-	-
	Lead	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Standing Water Level	metres		0	-	-	-	-	-	-
10	Conductivity	ms/cm	6 monthly	0	-	-	-	-	-	-
	Lead	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Standing Water Level	metres		0	-	-	-	-	-	-
11	Conductivity	ms/cm	6 monthly	0	-	-	-	-	-	-
	Lead	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Standing Water Level	metres		0	-	-	-	-	-	-
12	Conductivity	ms/cm	6 monthly	0	-	-	-	-	-	-
	Lead	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Standing Water Level	metres		0	-	-	-	-	-	-
13	Conductivity	ms/cm	Quarterly	0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	TSS	mg/L		0	-	-	-	-	-	-

Table 4 – Monitoring (Noise – Limits Apply)

EPL ID	Date	Start Time	Measurement period	Measured Levels – dB(A) L _{eq} 15min Day	Measured Levels – dB(A) L _{eq} 15min Evening	Measured Levels – dB(A) L _{eq} 15min Night	Measured Levels – dB(A) L _{A1} (1 min) Night	Limit	Weather	Compliant (Yes/No)	Comments
											No monitoring this month

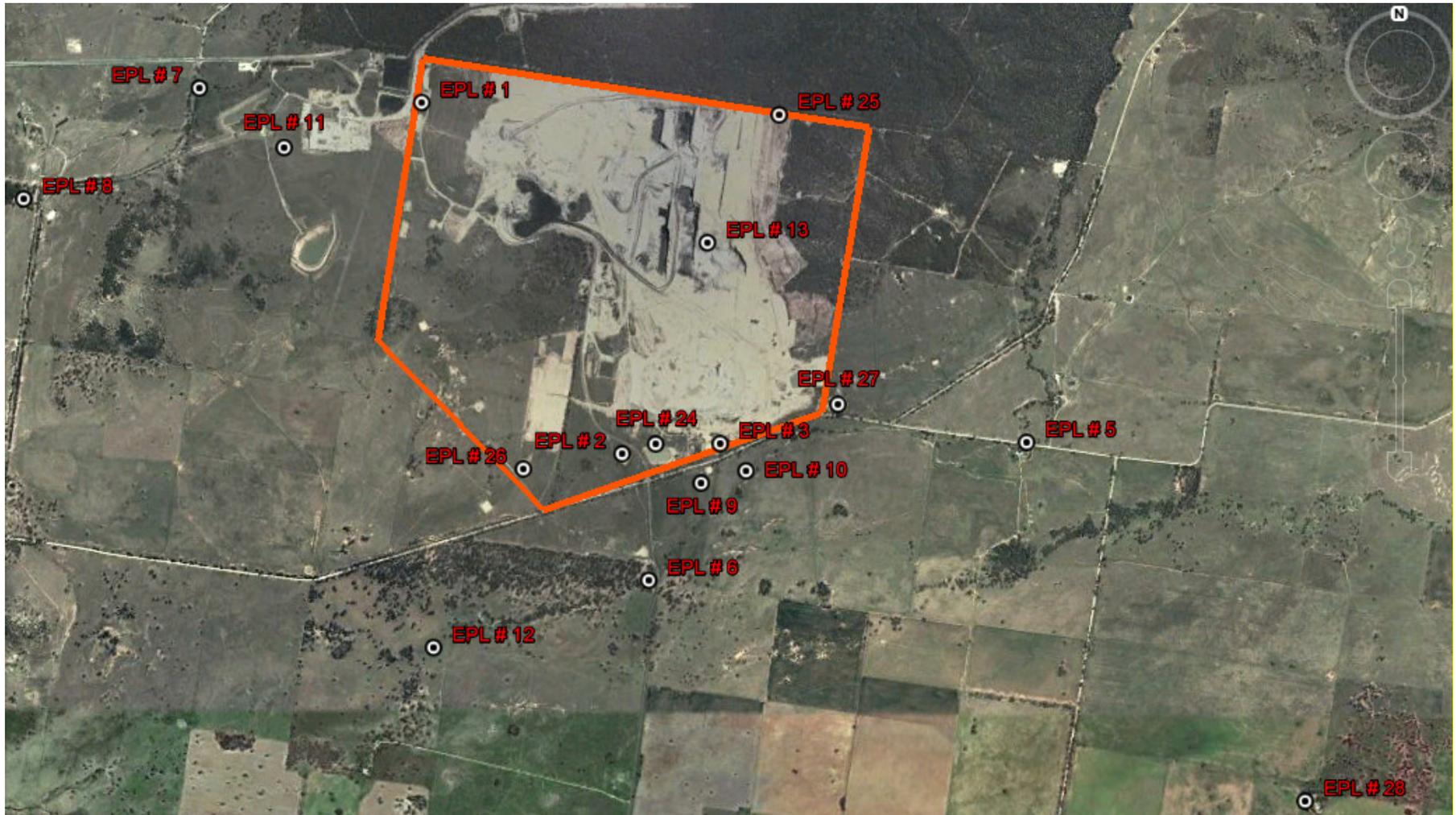
Note: Measured noise levels refer to noise attributable to Tarrawonga Coal Mine

Table 5 – 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
Tarrawonga	Blast Noise	dB (Lin Peak)	Every Blast	5	93.2	105.9	120	No
	Blast Vibration	mm/s	Every Blast	5	0.33	0.45	10	No
Templemore	Blast Noise	dB (Lin Peak)	Every Blast	5	99.56	109.4	120	No
	Blast Vibration	mm/s	Every Blast	5	1	1.44	10	No

* Did Not Trigger

Figure 1 – EPL 12365 Monitoring Locations



TARRAWONGA COAL MINE – MONTHLY MONITORING SUMMARY

Site Information

EPL No: 12365

EPA Website Link: <http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=32390&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 2013

Publication Date: 10th September 2013

Table 1 - No Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max or Only Value
5	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-
	Conductivity	ms/cm		0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
6	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-
	Conductivity	ms/cm		0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
7	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-
	Conductivity	ms/cm		0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
8	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-
	Conductivity	ms/cm		0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-



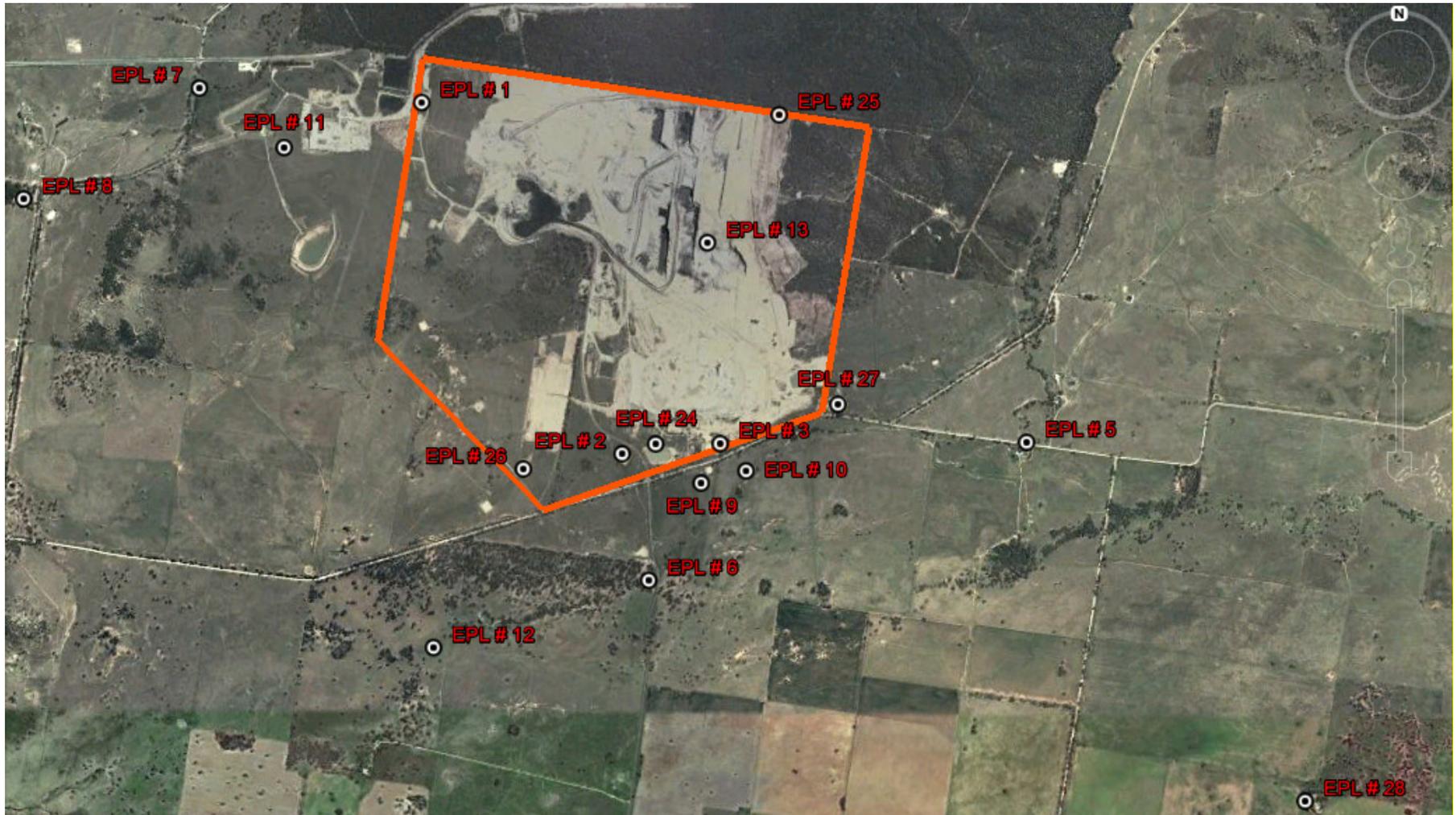
Table 2 - Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Max or Only Value	100%ile Limit	Exceedance (Yes/No)	Comments
1	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
2	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
3	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
4 (No longer exists)	TSS	mg/L	Upon discharge	-	-	-	-	-	50	-	-
	Oil & Grease	mg/L		-	-	-	-	-	10	-	-
	pH	pH		-	-	-	-	-	6.5-8.5	-	-
24	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
25	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
26	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
27	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-

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 Obtained	Min Value	Mean Value	Median Value	Max or Only Value
9	Conductivity	ms/cm	6 monthly	0	-	-	-	-	-	-
	Lead	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Standing Water Level	metres		0	-	-	-	-	-	-
10	Conductivity	ms/cm	6 monthly	0	-	-	-	-	-	-
	Lead	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Standing Water Level	metres		0	-	-	-	-	-	-
11	Conductivity	ms/cm	6 monthly	0	-	-	-	-	-	-
	Lead	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Standing Water Level	metres		0	-	-	-	-	-	-
12	Conductivity	ms/cm	6 monthly	0	-	-	-	-	-	-
	Lead	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Standing Water Level	metres		0	-	-	-	-	-	-
13	Conductivity	ms/cm	Quarterly	1	07/08/13	13/08/13	-	-	-	2660
	Oil & Grease	mg/L		1	07/08/13	13/08/13	-	-	-	<5
	pH	pH		1	07/08/13	13/08/13	-	-	-	8.35
	TSS	mg/L		1	07/08/13	13/08/13	-	-	-	29

Figure 1 – EPL 12365 Monitoring Locations



TARRAWONGA COAL MINE – MONTHLY MONITORING SUMMARY

Site Information

EPL No: 12365

EPA Website Link: <http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=32390&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 2013

Publication Date: 19th October 2013

Table 1 - No Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max or Only Value
5	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-
	Conductivity	ms/cm		0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
6	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-
	Conductivity	ms/cm		0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
7	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-
	Conductivity	ms/cm		0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
8	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-
	Conductivity	ms/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 Obtained	Min Value	Max or Only Value	100%ile Limit	Exceedance (Yes/No)	Comments
1	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
2	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
3	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
4 (No longer exists)	TSS	mg/L	Upon discharge	-	-	-	-	-	50	-	-
	Oil & Grease	mg/L		-	-	-	-	-	10	-	-
	pH	pH		-	-	-	-	-	6.5-8.5	-	-
24	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
25	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
26	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
27	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-

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 Obtained	Min Value	Mean Value	Median Value	Max or Only Value
9	Conductivity	ms/cm	6 monthly	1	5/9/13	12/9/13	-	-	-	3330
	Lead	mg/L		1	5/9/13	12/9/13	-	-	-	0.005
	pH	pH		1	5/9/13	12/9/13	-	-	-	7.99
	Standing Water Level	metres		1	5/9/13	12/9/13	-	-	-	6.14
10	Conductivity	ms/cm	6 monthly	1	5/9/13	12/9/13	-	-	-	674
	Lead	mg/L		1	5/9/13	12/9/13	-	-	-	0.006
	pH	pH		1	5/9/13	12/9/13	-	-	-	7.46
	Standing Water Level	metres		1	5/9/13	12/9/13	-	-	-	3.45
11	Conductivity	ms/cm	6 monthly	1	21/08/13	28/08/13	-	-	-	2020
	Lead	mg/L		1	21/08/13	28/08/13	-	-	-	<0.001
	pH	pH		1	21/08/13	28/08/13	-	-	-	7.93
	Standing Water Level	metres		1	21/08/13	28/08/13	-	-	-	10.23
12	Conductivity	ms/cm	6 monthly	1	5/9/13	12/9/13	-	-	-	3950
	Lead	mg/L		1	5/9/13	12/9/13	-	-	-	0.18
	pH	pH		1	5/9/13	12/9/13	-	-	-	7.99
	Standing Water Level	metres		1	5/9/13	12/9/13	-	-	-	8.83
13	Conductivity	ms/cm	Quarterly	-	-	-	-	-	-	-
	Oil & Grease	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	TSS	mg/L		-	-	-	-	-	-	-

Table 4 – Monitoring (Noise – Limits Apply)

EPL ID	Date	Start Time	Measurement period	Measured Levels – dB(A) L _{eq} 15min Day	Measured Levels – dB(A) L _{eq} 15min Evening	Measured Levels – dB(A) L _{eq} 15min Night	Measured Levels – dB(A) L _{A1} (1 min) Night	Limit	Weather	Compliant (Yes/No)	Comments
12365	25/09/13	12:13pm	90 minutes	20				35	2.7 m/s - 267	YES	Privately owned – Landholder advised of acquisition rights
	25/09/13	7:52pm	30 minutes		32			35	3.2 m/s - 11	YES	
	26/09/13	12:54am	60 minutes			34		35	3.8 m/s - 13	YES	
	26/09/13	12:54am	60 minutes				40	45	3.8 m/s -13	YES	
	27/09/13	10:38am	90 minutes	20				35	3.2 m/s-162	YES	
	26/09/13	7:42pm	30 minutes		21			35	0.6 m/s-184	YES	
	27/09/13	12:37am	60 minutes			Inaudible		35	1.2 m/s-196	YES	
	27/09/13	12:37am	60 minutes				Inaudible	45	1.2 m/s-196	YES	
	28/09/13	7:35am	90 minutes	37				35	1.3 m/s-182	NO	
	27/09/13	8:06pm	30 minutes		Inaudible			35	1.4 m/s-356	YES	
	27/09/13	10:02pm	60 minutes			27		35	1.5 m/s- 398	YES	
27/09/13	10:02pm	60 minutes				35	45	1.5 m/s- 398	YES		

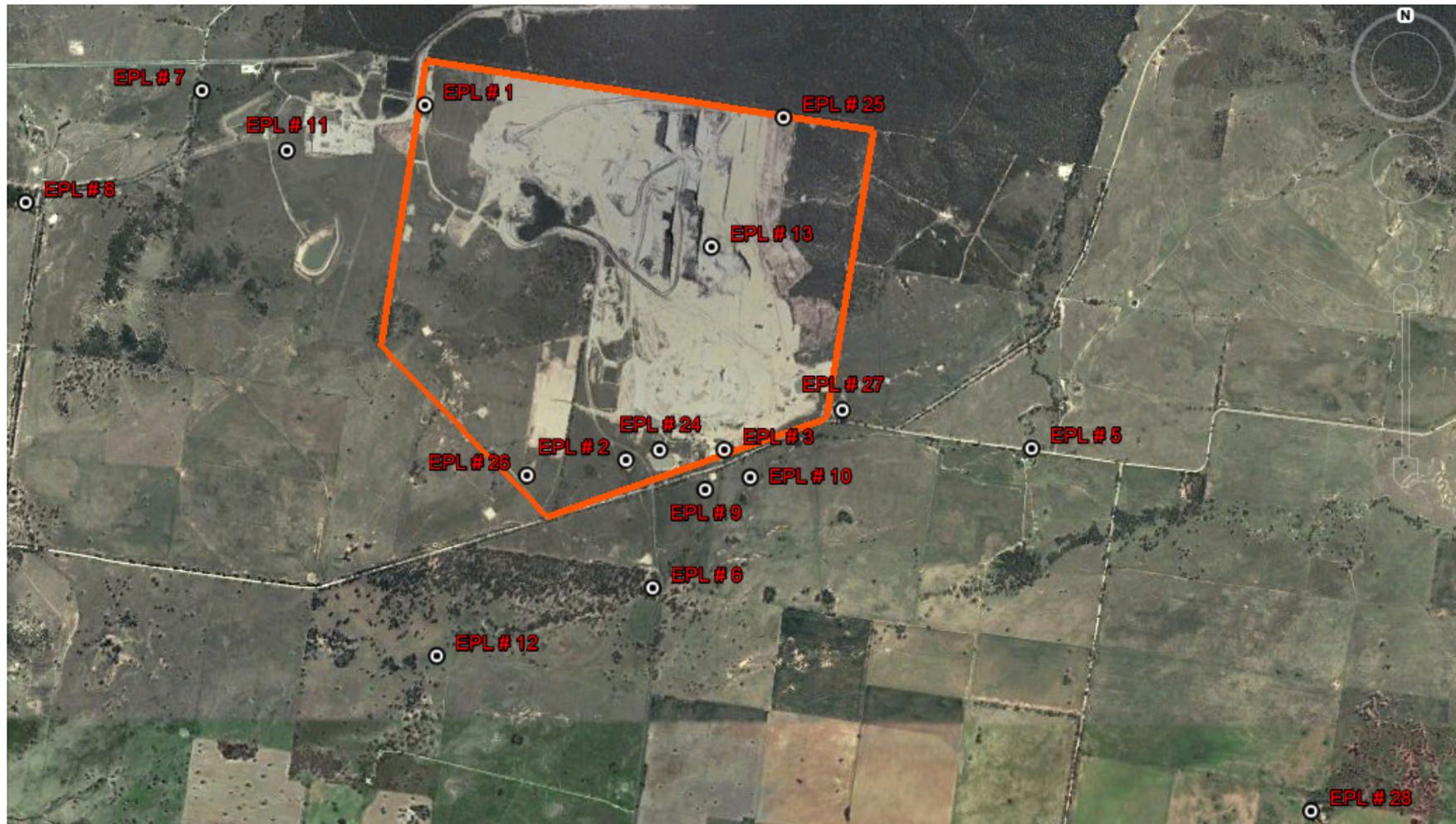
Note: Measured noise levels refer to noise attributable to Tarrawonga Coal Mine

Table 5 – 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
Tarrawonga	Blast Noise	dB (Lin Peak)	Every Blast	3	100.1	100.1	120	No
	Blast Vibration	mm/s	Every Blast	3	0.16	0.16	10	No
Templemore	Blast Noise	dB (Lin Peak)	Every Blast	3	104.7	110.6	120	No
	Blast Vibration	mm/s	Every Blast	3	0.58	0.66	10	No

* Did Not Trigger

Figure 1 – EPL 12365 Monitoring Locations



TARRAWONGA COAL MINE – MONTHLY MONITORING SUMMARY

Site Information

EPL No: 12365

EPA Website Link: <http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=32390&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 2013

Publication Date: 19th November 2013

Table 1 - No Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max or Only Value
5	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-
	Conductivity	ms/cm		0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
6	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-
	Conductivity	ms/cm		0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
7	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-
	Conductivity	ms/cm		0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
8	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-
	Conductivity	ms/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 Obtained	Min Value	Max or Only Value	100%ile Limit	Exceedance (Yes/No)	Comments
1	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
2	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
3	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
4 (No longer exists)	TSS	mg/L	Upon discharge	-	-	-	-	-	50	-	-
	Oil & Grease	mg/L		-	-	-	-	-	10	-	-
	pH	pH		-	-	-	-	-	6.5-8.5	-	-
24	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
25	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
26	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
27	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-

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 Obtained	Min Value	Mean Value	Median Value	Max or Only Value
9	Conductivity	ms/cm	6 monthly	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-
10	Conductivity	ms/cm	6 monthly	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-
11	Conductivity	ms/cm	6 monthly	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-
12	Conductivity	ms/cm	6 monthly	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-
13	Conductivity	ms/cm	Quarterly	-	-	-	-	-	-	-
	Oil & Grease	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	TSS	mg/L		-	-	-	-	-	-	-

Table 4 – Monitoring (Noise – Limits Apply)

EPL ID	Date	Start Time	Measurement period	Measured Levels – dB(A)	Measured Levels – dB(A)	Measured Levels – dB(A)	Measured Levels – dB(A)	Limit	Weather	Compliant (Yes/No)	Comments
				L _{eq} 15min Day	L _{eq} 15min Evening	L _{eq} 15min Night	L _{A1} (1 min) Night				
12365											

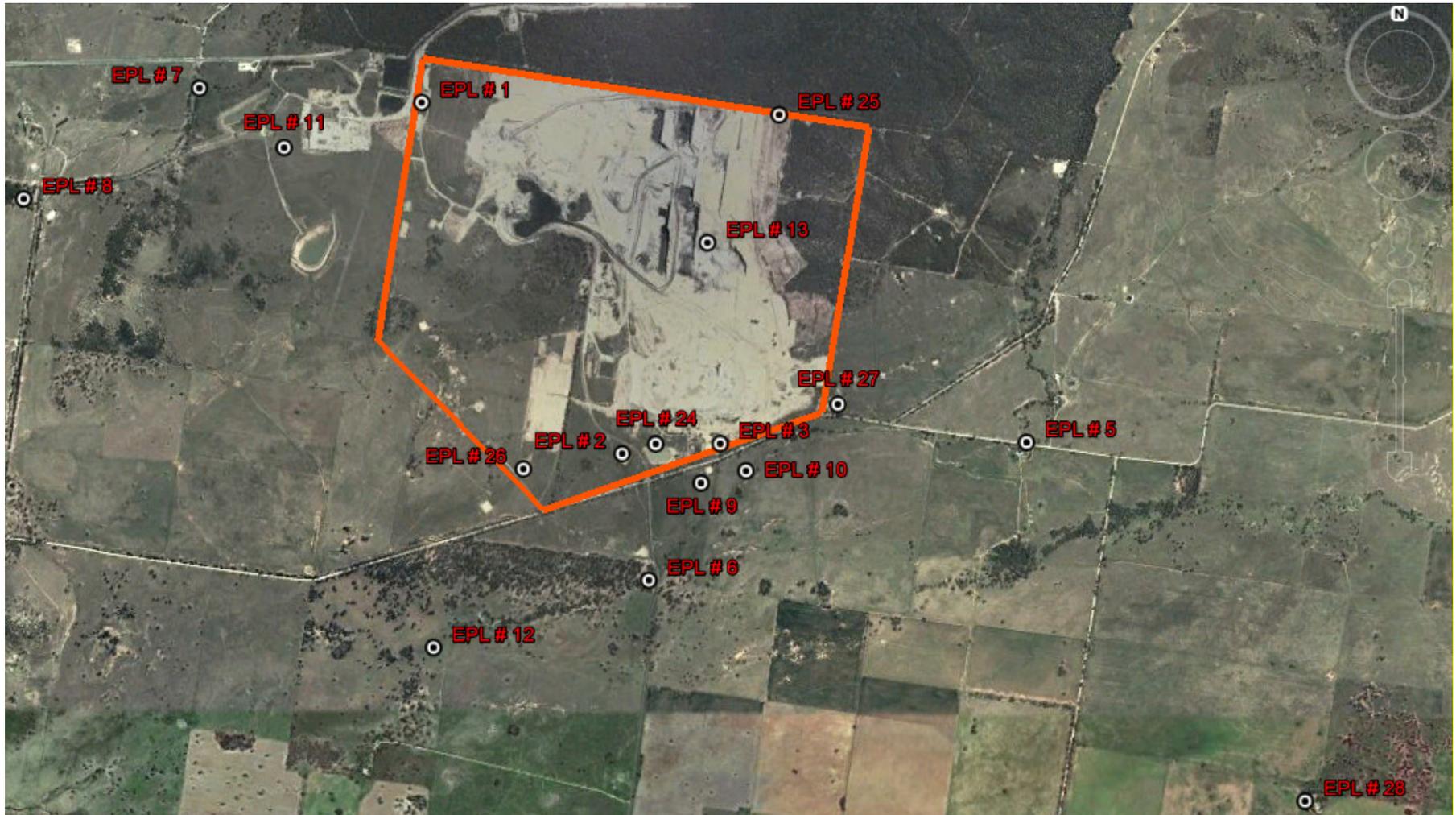
Note: Measured noise levels refer to noise attributable to Tarrawonga Coal Mine

Table 5 – 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
Tarrawonga	Blast Noise	dB (Lin Peak)	Every Blast	4	98.5	102.9	120	No
	Blast Vibration	mm/s	Every Blast	4	0.25	0.34	10	No
Templemore	Blast Noise	dB (Lin Peak)	Every Blast	4	105.4	110.6	120	No
	Blast Vibration	mm/s	Every Blast	4	0.80	1.04	10	No

* Did Not Trigger

Figure 1 – EPL 12365 Monitoring Locations



TARRAWONGA COAL MINE – MONTHLY MONITORING SUMMARY

Site Information

EPL No: 12365

EPA Website Link: <http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=32390&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 2013

Publication Date: 9th December 2013

Table 1 - No Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max or Only Value
5	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-
	Conductivity	ms/cm		0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
6	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-
	Conductivity	ms/cm		0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
7	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-
	Conductivity	ms/cm		0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
8	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-
	Conductivity	ms/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 Obtained	Min Value	Max or Only Value	100%ile Limit	Exceedance (Yes/No)	Comments
1	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
2	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
3	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
4 (No longer exists)	TSS	mg/L	Upon discharge	-	-	-	-	-	50	-	-
	Oil & Grease	mg/L		-	-	-	-	-	10	-	-
	pH	pH		-	-	-	-	-	6.5-8.5	-	-
24	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
25	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
26	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
27	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-

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 Obtained	Min Value	Mean Value	Median Value	Max or Only Value
9	Conductivity	ms/cm	6 monthly	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-
10	Conductivity	ms/cm	6 monthly	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-
11	Conductivity	ms/cm	6 monthly	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-
12	Conductivity	ms/cm	6 monthly	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-
13	Conductivity	ms/cm	Quarterly	1	5/11/13	13/11/13	-	-	-	2530
	Oil & Grease	mg/L		1	5/11/13	13/11/13	-	-	-	<5
	pH	pH		1	5/11/13	13/11/13	-	-	-	8.25
	TSS	mg/L		1	5/11/13	13/11/13	-	-	-	29

Table 4 – Monitoring (Noise – Limits Apply)

EPL ID	Date	Start Time	Measurement period	Measured Levels – dB(A)	Measured Levels – dB(A)	Measured Levels – dB(A)	Measured Levels – dB(A)	Limit	Weather	Compliant (Yes/No)	Comments
				L _{eq} 15min Day	L _{eq} 15min Evening	L _{eq} 15min Night	L _{A1} (1 min) Night				
12365											

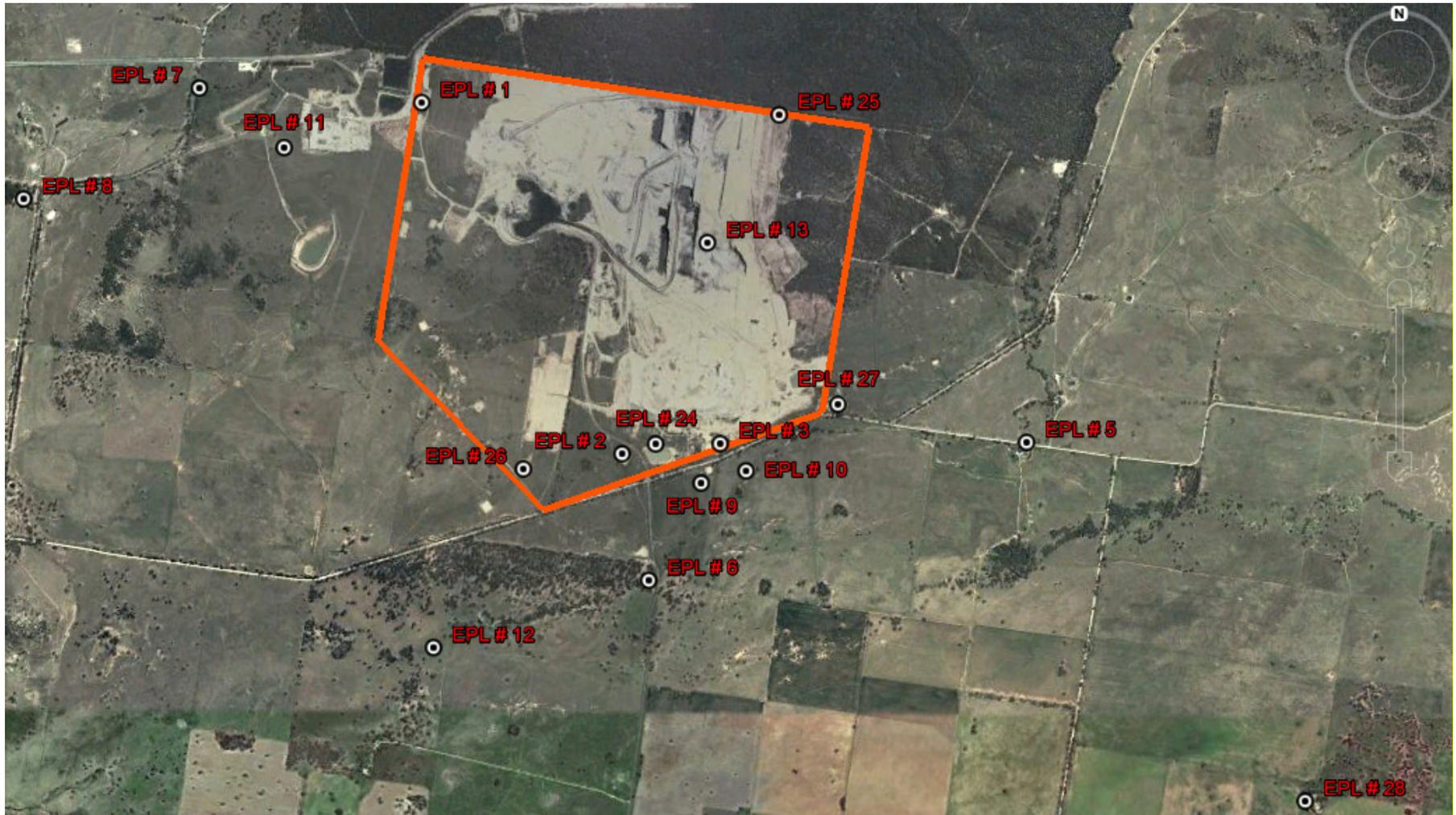
Note: Measured noise levels refer to noise attributable to Tarrawonga Coal Mine

Table 5 – 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
Tarrawonga	Blast Noise	dB (Lin Peak)	Every Blast	4	95.1	95.1	120	No
	Blast Vibration	mm/s	Every Blast	4	0.18	0.18	10	No
Templemore	Blast Noise	dB (Lin Peak)	Every Blast	4	103.4	108.0	120	No
	Blast Vibration	mm/s	Every Blast	4	0.80	1.34	10	No

* Did Not Trigger

Figure 1 – EPL 12365 Monitoring Locations



TARRAWONGA COAL MINE – MONTHLY MONITORING SUMMARY

Site Information

EPL No: 12365

EPA Website Link: <http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=32390&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 2013

Publication Date: 13th January 2014

Table 1 - No Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max or Only Value
5	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-
	Conductivity	ms/cm		0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
6	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-
	Conductivity	ms/cm		0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
7	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-
	Conductivity	ms/cm		0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
8	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-
	Conductivity	ms/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 Obtained	Min Value	Max or Only Value	100%ile Limit	Exceedance (Yes/No)	Comments
1	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
2	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
3	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
4 (No longer exists)	TSS	mg/L	Upon discharge	-	-	-	-	-	50	-	-
	Oil & Grease	mg/L		-	-	-	-	-	10	-	-
	pH	pH		-	-	-	-	-	6.5-8.5	-	-
24	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
25	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
26	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-
27	TSS	mg/L	Upon discharge	0	-	-	-	-	50	-	-
	Oil & Grease	mg/L		0	-	-	-	-	10	-	-
	pH	pH		0	-	-	-	-	6.5-8.5	-	-

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 Obtained	Min Value	Mean Value	Median Value	Max or Only Value
9	Conductivity	ms/cm	6 monthly	0	-	-	-	-	-	-
	Lead	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Standing Water Level	metres		0	-	-	-	-	-	-
10	Conductivity	ms/cm	6 monthly	0	-	-	-	-	-	-
	Lead	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Standing Water Level	metres		0	-	-	-	-	-	-
11	Conductivity	ms/cm	6 monthly	0	-	-	-	-	-	-
	Lead	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Standing Water Level	metres		0	-	-	-	-	-	-
12	Conductivity	ms/cm	6 monthly	0	-	-	-	-	-	-
	Lead	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Standing Water Level	metres		0	-	-	-	-	-	-
13	Conductivity	ms/cm	Quarterly	0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	TSS	mg/L		0	-	-	-	-	-	-

Table 4 – Monitoring (Noise – Limits Apply)

EPL ID	Date	Start Time	Measurement period	Measured Levels – dB(A) L _{eq} 15min Day	Measured Levels – dB(A) L _{eq} 15min Evening	Measured Levels – dB(A) L _{eq} 15min Night	Measured Levels – dB(A) L _{A1} (1 min) Night	Limit	Weather	Compliant (Yes/No)	Comments
N1	2/12/13	12:24pm	90 minutes	26				35	2.1m/s, S	Yes	Acquisition process initiated – criteria no longer apply
	2/12/13	7:31pm	30 minutes		33			35	0.6m/s, SE	Yes	
	2/12/13	10:05pm	60 minutes			33		35	Temp inv. +5.3°/100m	Yes	
	2/12/13	10:05pm	60 minutes				35	45		Yes	
	3/12/13	12:17pm	90 minutes	20				35	1.5m/s, S	Yes	
	3/12/13	9:13pm	30 minutes		32			35	0.9m/s, NNW	Yes	
	3/12/13	1:25am	60 minutes			37		35	Temp inv. +11.4°/100m	Yes	
	3/12/13	1:25am	60 minutes				42	45		Yes	
	4/12/13	7:52am	90 minutes	40				35	1.5m/s, SSW	Yes	
	4/12/13	7:49am	30 minutes		37			35	2.2m/s, N	Yes	
	4/12/13	12:43am	60 minutes			35		35	Temp inv. lapse	Yes	
4/12/13	12:43am	60 minutes				48	45	Yes			

Note: Measured noise levels refer to noise attributable to Tarrawonga Coal Mine

Table 5 – 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
Tarrawonga	Blast Noise	dB (Lin Peak)	Every Blast	2	104	107	120	No
	Blast Vibration	mm/s	Every Blast	2	0.37	0.44	10	No
Templemore	Blast Noise	dB (Lin Peak)	Every Blast	2	DNT	DNT	120	No
	Blast Vibration	mm/s	Every Blast	2	DNT	DNT	10	No

* Did Not Trigger

Figure 1 – EPL 12365 Monitoring Locations

