

## 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 2021

**Obtained Date:** 10/12/2021

**Publication Date:** 13/12/2021

**Table 1 - No Pollutant Limits Apply**

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date of Max. Value Obtained	Min Value	Mean Value	Median Value	Max or Only Value	Comments
5	TSS	mg/L	Upon discharge	1	30 <sup>th</sup> Nov	30/11/2021	-	-	-	14	Sample taken following discharge.
	Conductivity	µS/cm					-	-	-	278	
	Oil & Grease	mg/L					-	-	-	5	
	pH	pH					-	-	-	7.65	
6	TSS	mg/L	Upon discharge	2	21 <sup>st</sup> & 30 <sup>th</sup> Nov	21/11/2021	5	-	-	45	Sample taken following discharge.
	Conductivity	µS/cm				30/11/2021	93	-	-	235	
	Oil & Grease	mg/L				21/11/2021	-	-	-	5	
	pH	pH				30/11/2021	6.88	-	-	7.53	

**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	17 <sup>th</sup> , 22 <sup>nd</sup> , 29 <sup>th</sup> Nov	29/11/2021	297	505	50	No	TSS limit not applicable due to discharge after >38.4mm of rain
	Conductivity	µS/cm				22/11/2021	156	202	N/A	N/A	
	Oil & Grease	mg/L				22/11/2021	<5	5	10	No	
	pH	pH				22/11/2021	7.65	7.97	6.5-8.5	No	
2	TSS	mg/L	Upon discharge	7	3 <sup>rd</sup> , 5 <sup>th</sup> , 7 <sup>th</sup> , 15 <sup>th</sup> , 18 <sup>th</sup> , 21 <sup>st</sup> Nov.	07/11/2021	8	182	50	No	TSS limit not applicable due to discharge after >38.4mm of rain  Multiple samples taken throughout the month not all due to rain but due to controlled releases where TSS <50mg/L.
	Conductivity	µS/cm				05/11/2021	54	390	N/A	N/A	
	Oil & Grease	mg/L				03/11/2021	5	<10	10	No	
	pH	pH				15/11/2021	7.26	8.3	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
3	TSS	mg/L	Upon discharge	3	21 <sup>st</sup> , 22 <sup>nd</sup> , 29 <sup>th</sup> Nov.	21/11/2021	34	896	50	No	TSS limit not applicable due to discharge after >38.4mm of rain
	Conductivity	µS/cm				22/11/2021	322	457	N/A	N/A	
	Oil & Grease	mg/L				21/11/2021	<5	5	10	No	
	pH	pH				21/11/2021	7.28	7.8	6.5-8.5	No	
26	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-	-
	Conductivity	µS/cm				-	-	-	-	-	
	Oil & Grease	mg/L				-	-	-	-	-	
	pH	pH				-	-	-	-	-	
27	TSS	mg/L	Upon discharge	2	21 <sup>st</sup> , 22 <sup>nd</sup> Nov.	21/11/2021	634	676	50	No	TSS limit not applicable due to discharge after >38.4mm of rain
	Conductivity	µS/cm				21/11/2021	118	126	N/A	N/A	
	Oil & Grease	mg/L				21/11/2021	-	5	10	No	
	pH	pH				21/11/2021	7.58	7.79	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)	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)	1	19/11/2021	19/11/2021	-	-	-	1,970
	Oil & Grease	mg/L		1	19/11/2021	19/11/2021	-	-	-	5
	pH	pH		1	19/11/2021	19/11/2021	-	-	-	8.78
	TSS	mg/L		1	19/11/2021	19/11/2021	-	-	-	79

**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 November*

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

Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date of Max. Value Obtained
Coomalgah (TB2)	Blast Noise	dB (Lin Peak)	Every Blast	2	100.95	106.9	120	Nil	10-11-21
	Blast Vibration	mm/s	Every Blast	2	0.07	0.07	10	Nil	10-11-21

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

Location	No. of samples required by licence	Lowest sample value	Mean of sample	Highest sample value
“Flixton” property* TEOM (µg/m <sup>3</sup> )	Continuous	0	10.6	42.2

*\*Mine owned property – no limit apply*

Figure 1 – EPL 12365 Monitoring Locations

