

WERRIS CREEK COAL EPL – MONTHLY SUMMARY

Site Information

EPL No.: 12290

EPA Website Link: <http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=31280&SYSUID=1&LICID=12290>

Licensee: Werris Creek Coal Pty Limited

Premises: Werris Creek Coal, 1435 Werris Creek Road, WERRIS CREEK NSW 2341

EPL Monitoring Points: See figure at end of document

Sampling Period: March 2018

Obtained Date: 10 April 2018

Publication Date: 20 April 2018

Table 1 - No Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Measurements for the Month	Date Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max Value
28	PM10	µg/m ³	Every 6 days	5	20/3/2018	10/4/2018	4.8	12.5	11.0	30.5
	Solid Particles	g/m ² /month	Continuous	1	23/3/2018	4/4/2018	0.5	0.5	0.5	0.5
29	PM10	µg/m ³	Every 6 days	5	20/3/2018	5/4/2018	8.2	23.6	22.0	48.4
	Solid Particles	g/m ² /month	Continuous	1	23/3/2018	4/4/2018	1.6	1.6	1.6	1.6
30	PM10	µg/m ³	Continuous	Continuous	31/3/2018	1/4/2018	3.7	11.9	11.5	31.5
	Solid Particles	g/m ² /month	Continuous	1	23/3/2018	4/4/2018	0.5	0.5	0.5	0.5
10	Conductivity	µS/cm	Special Frequency 1	0	-	-	-	-	-	-
	Nitrate	mg/L	Special Frequency 1	0	-	-	-	-	-	-
	Nitrogen (Total)	mg/L	Special Frequency 1	0	-	-	-	-	-	-
	Phosphorus (Total)	mg/L	Special Frequency 1	0	-	-	-	-	-	-
	Reactive Phosphorus	mg/L	Special Frequency 1	0	-	-	-	-	-	-
12	Conductivity	µS/cm	Special Frequency 1	0	-	-	-	-	-	-
	Nitrate	mg/L	Special Frequency 1	0	-	-	-	-	-	-
	Nitrogen (Total)	mg/L	Special Frequency 1	0	-	-	-	-	-	-
	Phosphorus (Total)	mg/L	Special Frequency 1	0	-	-	-	-	-	-
	Reactive Phosphorus	mg/L	Special Frequency 1	0	-	-	-	-	-	-
14	Conductivity	µS/cm	Special Frequency 1	0	-	-	-	-	-	-
	Nitrate	mg/L	Special Frequency 1	0	-	-	-	-	-	-



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	Nitrogen (Total)	mg/L	Special Frequency 1	0	-	-	-	-	-	-
	Phosphorus (Total)	mg/L	Special Frequency 1	0	-	-	-	-	-	-
	Reactive Phosphorus	mg/L	Special Frequency 1	0	-	-	-	-	-	-
32	Conductivity	µS/cm	Special Frequency 1	0	-	-	-	-	-	-
	Nitrate	mg/L	Special Frequency 1	0	-	-	-	-	-	-
	Nitrogen (Total)	mg/L	Special Frequency 1	0	-	-	-	-	-	-
	Oil and Grease	mg/L	Special Frequency 1	0	-	-	-	-	-	-
	pH	pH	Special Frequency 1	0	-	-	-	-	-	-
	Phosphorus (Total)	mg/L	Special Frequency 1	0	-	-	-	-	-	-
	Reactive Phosphorus	mg/L	Special Frequency 1	0	-	-	-	-	-	-
23	Total Suspended Solids	mg/L	Special Frequency 1	0	-	-	-	-	-	-
	Conductivity	µS/cm	Special Frequency 2	0	-	-	-	-	-	-
	Nitrate	mg/L	Special Frequency 2	0	-	-	-	-	-	-
	Nitrogen (Total)	mg/L	Special Frequency 2	0	-	-	-	-	-	-
	Oil and Grease	mg/L	Special Frequency 2	0	-	-	-	-	-	-
	pH	pH	Special Frequency 2	0	-	-	-	-	-	-
	Phosphorus (Total)	mg/L	Special Frequency 2	0	-	-	-	-	-	-
24	Reactive Phosphorus	mg/L	Special Frequency 2	0	-	-	-	-	-	-
	Conductivity	µS/cm	Special Frequency 2	0	-	-	-	-	-	-
	Nitrate	mg/L	Special Frequency 2	0	-	-	-	-	-	-
	Nitrogen (Total)	mg/L	Special Frequency 2	0	-	-	-	-	-	-
	Oil and Grease	mg/L	Special Frequency 2	0	-	-	-	-	-	-
	pH	pH	Special Frequency 2	0	-	-	-	-	-	-
	Phosphorus (Total)	mg/L	Special Frequency 2	0	-	-	-	-	-	-
Reactive Phosphorus	mg/L	Special Frequency 2	0	-	-	-	-	-	-	

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	Total Suspended Solids	mg/L	Special Frequency 2	0	-	-	-	-	-	-
25	Conductivity	µS/cm	Special Frequency 2	0	-	-	-	-	-	-
	Nitrate	mg/L	Special Frequency 2	0	-	-	-	-	-	-
	Nitrogen (Total)	mg/L	Special Frequency 2	0	-	-	-	-	-	-
	Oil and Grease	mg/L	Special Frequency 2	0	-	-	-	-	-	-
	pH	pH	Special Frequency 2	0	-	-	-	-	-	-
	Phosphorus (Total)	mg/L	Special Frequency 2	0	-	-	-	-	-	-
	Reactive Phosphorus	mg/L	Special Frequency 2	0	-	-	-	-	-	-
	Total Suspended Solids	mg/L	Special Frequency 2	0	-	-	-	-	-	-
26	Conductivity	µS/cm	Special Frequency 2	0	-	-	-	-	-	-
	Nitrate	mg/L	Special Frequency 2	0	-	-	-	-	-	-
	Nitrogen (Total)	mg/L	Special Frequency 2	0	-	-	-	-	-	-
	Oil and Grease	mg/L	Special Frequency 2	0	-	-	-	-	-	-
	pH	pH	Special Frequency 2	0	-	-	-	-	-	-
	Phosphorus (Total)	mg/L	Special Frequency 2	0	-	-	-	-	-	-
	Reactive Phosphorus	mg/L	Special Frequency 2	0	-	-	-	-	-	-
	Total Suspended Solids	mg/L	Special Frequency 2	0	-	-	-	-	-	-
33*	Aluminium (dissolved)	mg/L	Special Frequency 3	0	-	-	-	-	-	-
	Arsenic (dissolved)	mg/L	Special Frequency 3	0	-	-	-	-	-	-
	Barium (dissolved)	mg/L	Special Frequency 3	0	-	-	-	-	-	-
	Beryllium (dissolved)	mg/L	Special Frequency 3	0	-	-	-	-	-	-
	BOD	mg/L	Special Frequency 3	0	-	-	-	-	-	-
	Cadmium (dissolved)	mg/L	Special Frequency 3	0	-	-	-	-	-	-
	Chromium (dissolved)	mg/L	Special Frequency 3	0	-	-	-	-	-	-
	Cobalt (dissolved)	mg/L	Special Frequency 3	0	-	-	-	-	-	-



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	Cooper (dissolved)	mg/L	Special Frequency 3	0	-	-	-	-	-	-
	Iron (dissolved)	mg/L	Special Frequency 3	0	-	-	-	-	-	-
	Lead (dissolved)	mg/L	Special Frequency 3	0	-	-	-	-	-	-
	Magnesium	mg/L	Special Frequency 3	0	-	-	-	-	-	-
	Manganese (dissolved)	mg/L	Special Frequency 3	0	-	-	-	-	-	-
	Nickel (dissolved)	mg/L	Special Frequency 3	0	-	-	-	-	-	-
	Potassium	mg/L	Special Frequency 3	0	-	-	-	-	-	-
	Selenium (dissolved)	mg/L	Special Frequency 3	0	-	-	-	-	-	-
	Sodium	mg/L	Special Frequency 3	0	-	-	-	-	-	-
	Total dissolved solids	mg/L	Special Frequency 3	0	-	-	-	-	-	-
	Vanadium (dissolved)	mg/L	Special Frequency 3	0	-	-	-	-	-	-
Zinc (dissolved)	mg/L	Special Frequency 3	0	-	-	-	-	-	-	
34	Aluminium (dissolved)	mg/L	Special Frequency 3	0	-	-	-	-	-	-
	Arsenic (dissolved)	mg/L	Special Frequency 3	0	-	-	-	-	-	-
	Barium (dissolved)	mg/L	Special Frequency 3	0	-	-	-	-	-	-
	Beryllium (dissolved)	mg/L	Special Frequency 3	0	-	-	-	-	-	-
	BOD	mg/L	Special Frequency 3	0	-	-	-	-	-	-
	Cadmium (dissolved)	mg/L	Special Frequency 3	0	-	-	-	-	-	-
	Chromium (dissolved)	mg/L	Special Frequency 3	0	-	-	-	-	-	-
	Cobalt (dissolved)	mg/L	Special Frequency 3	0	-	-	-	-	-	-
	Cooper (dissolved)	mg/L	Special Frequency 3	0	-	-	-	-	-	-
	Iron (dissolved)	mg/L	Special Frequency 3	0	-	-	-	-	-	-
	Lead (dissolved)	mg/L	Special Frequency 3	0	-	-	-	-	-	-
	Magnesium	mg/L	Special Frequency 3	0	-	-	-	-	-	-
	Manganese (dissolved)	mg/L	Special Frequency 3	0	-	-	-	-	-	-
	Nickel (dissolved)	mg/L	Special Frequency 3	0	-	-	-	-	-	-



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	Potassium	mg/L	Special Frequency 3	0	-	-	-	-	-	-
	Selenium (dissolved)	mg/L	Special Frequency 3	0	-	-	-	-	-	-
	Sodium	mg/L	Special Frequency 3	0	-	-	-	-	-	-
	Total dissolved solids	mg/L	Special Frequency 3	0	-	-	-	-	-	-
	Vanadium (dissolved)	mg/L	Special Frequency 3	0	-	-	-	-	-	-
	Zinc (dissolved)	mg/L	Special Frequency 3	0	-	-	-	-	-	-
35	Aluminium (dissolved)	mg/L	Special Frequency 3	0	-	-	-	-	-	-
	Arsenic (dissolved)	mg/L	Special Frequency 3	0	-	-	-	-	-	-
	Barium (dissolved)	mg/L	Special Frequency 3	0	-	-	-	-	-	-
	Beryllium (dissolved)	mg/L	Special Frequency 3	0	-	-	-	-	-	-
	BOD	mg/L	Special Frequency 3	0	-	-	-	-	-	-
	Cadmium (dissolved)	mg/L	Special Frequency 3	0	-	-	-	-	-	-
	Chromium (dissolved)	mg/L	Special Frequency 3	0	-	-	-	-	-	-
	Cobalt (dissolved)	mg/L	Special Frequency 3	0	-	-	-	-	-	-
	Cooper (dissolved)	mg/L	Special Frequency 3	0	-	-	-	-	-	-
	Iron (dissolved)	mg/L	Special Frequency 3	0	-	-	-	-	-	-
	Lead (dissolved)	mg/L	Special Frequency 3	0	-	-	-	-	-	-
	Magnesium	mg/L	Special Frequency 3	0	-	-	-	-	-	-
	Manganese (dissolved)	mg/L	Special Frequency 3	0	-	-	-	-	-	-
	Nickel (dissolved)	mg/L	Special Frequency 3	0	-	-	-	-	-	-
	Potassium	mg/L	Special Frequency 3	0	-	-	-	-	-	-
	Selenium (dissolved)	mg/L	Special Frequency 3	0	-	-	-	-	-	-
	Sodium	mg/L	Special Frequency 3	0	-	-	-	-	-	-
	Total dissolved solids	mg/L	Special Frequency 3	0	-	-	-	-	-	-
Vanadium (dissolved)	mg/L	Special Frequency 3	0	-	-	-	-	-	-	
Zinc (dissolved)	mg/L	Special Frequency 3	0	-	-	-	-	-	-	

* EPL ID Point 33 is the point of discharge for discharge sampling



WERRIS CREEK COAL EPL – MONTHLY SUMMARY

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)
10	Total Suspended Solids	mg/L	Special Frequency 1	0	-	-	-	-	50*	No
	Oil and Grease	mg/L	Special Frequency 1	0	-	-	-	-	10	No
	pH	pH	Special Frequency 1	0	-	-	-	-	6.5-8.5	No
12	Total Suspended Solids	mg/L	Special Frequency 1	0	-	-	-	-	50*	No
	Oil and Grease	mg/L	Special Frequency 1	0	-	-	-	-	10	No
	pH	pH	Special Frequency 1	0	-	-	-	-	6.5-8.5	No
14	Total Suspended Solids	mg/L	Special Frequency 1	0	-	-	-	-	50*	No
	Oil and Grease	mg/L	Special Frequency 1	0	-	-	-	-	10	No
	pH	pH	Special Frequency 1	0	-	-	-	-	6.5-8.5	No
32	Total Suspended Solids	mg/L	Special Frequency 1	0	-	-	-	-	50*	No
	Oil and Grease	mg/L	Special Frequency 1	0	-	-	-	-	10	No
	pH	pH	Special Frequency 1	0	-	-	-	-	6.5-8.5	No
33	Electrical Conductivity	mg/L	Special Frequency 4	2	15th & 28th	15th & 28th	1216	1434	1600	No
	Oil and Grease	mg/L	Special Frequency 3	0	-	-	-	-	10	No
	pH	pH	Special Frequency 4	2	15th & 28th	15th & 28th	8.17	8.24	6.5-8.5	No
34	Electrical Conductivity	mg/L	Special Frequency 4	0	-	-	-	-	1600	No
	Oil and Grease	mg/L	Special Frequency 3	0	-	-	-	-	10	No
	pH	pH	Special Frequency 4	0	-	-	-	-	6.5-8.5	No
35	Electrical Conductivity	mg/L	Special Frequency 4	0	-	-	-	-	1600	No
	Oil and Grease	mg/L	Special Frequency 3	0	-	-	-	-	10	No
	pH	pH	Special Frequency 4	0	-	-	-	-	6.5-8.5	No

* EPL ID Point 33 is the point of discharge for sampling

WERRIS CREEK COAL EPL – MONTHLY SUMMARY

Table 3 – Monitoring (Quarterly & 6 monthly – no limits apply)

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Measurements for the Period	Date Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max Value
16	Conductivity	µS/cm	Every 3 Months	0	-	-	-	-	-	-
	Nitrate	mg/L	Every 3 Months	0	-	-	-	-	-	-
	Nitrogen (Total)	mg/L	Every 3 Months	0	-	-	-	-	-	-
	Oil and Grease	mg/L	Every 3 Months	0	-	-	-	-	-	-
	pH	pH	Every 3 Months	0	-	-	-	-	-	-
	Phosphorus (Total)	mg/L	Every 3 Months	0	-	-	-	-	-	-
	Reactive Phosphorus	mg/L	Every 3 Months	0	-	-	-	-	-	-
27	Total Suspended Solids	mg/L	Every 3 Months	0	-	-	-	-	-	-
	Conductivity	µS/cm	Every 3 Months	0	-	-	-	-	-	-
	Nitrate	mg/L	Every 3 Months	0	-	-	-	-	-	-
	Nitrogen (Total)	mg/L	Every 3 Months	0	-	-	-	-	-	-
	Oil and Grease	mg/L	Every 3 Months	0	-	-	-	-	-	-
	pH	pH	Every 3 Months	0	-	-	-	-	-	-
	Phosphorus (Total)	mg/L	Every 3 Months	0	-	-	-	-	-	-
17	Reactive Phosphorus	mg/L	Every 3 Months	0	-	-	-	-	-	-
	Total Suspended Solids	mg/L	Every 3 Months	0	-	-	-	-	-	-
	Conductivity	µS/cm	Every 6 Months	1	8/3/2018	16/3/2018	Dry	Dry	Dry	Dry
	Nitrate	mg/L	Every 6 Months	1	8/3/2018	16/3/2018	Dry	Dry	Dry	Dry
	Nitrogen (Total)	mg/L	Every 6 Months	1	8/3/2018	16/3/2018	Dry	Dry	Dry	Dry
	pH	pH	Every 6 Months	1	8/3/2018	16/3/2018	Dry	Dry	Dry	Dry
	Phosphorus (Total)	mg/L	Every 6 Months	1	8/3/2018	16/3/2018	Dry	Dry	Dry	Dry
18	Reactive Phosphorus	mg/L	Every 6 Months	1	8/3/2018	16/3/2018	Dry	Dry	Dry	Dry
	Standing Water Level	Metres	Every 6 Months	1	8/3/2018	16/3/2018	Dry	Dry	Dry	Dry
18	Conductivity	µS/cm	Every 6 Months	1	8/3/2018	16/3/2018	939	939	939	939
	Nitrate	mg/L	Every 6 Months	1	8/3/2018	16/3/2018	5.74	5.74	5.74	5.74

WERRIS CREEK COAL EPL – MONTHLY SUMMARY

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Measurements for the Period	Date Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max Value
	Nitrogen (Total)	mg/L	Every 6 Months	1	8/3/2018	16/3/2018	6.1	6.1	6.1	6.1
	pH	pH	Every 6 Months	1	8/3/2018	16/3/2018	7.89	7.89	7.89	7.89
	Phosphorus (Total)	mg/L	Every 6 Months	1	8/3/2018	16/3/2018	0.04	0.04	0.04	0.04
	Reactive Phosphorus	mg/L	Every 6 Months	1	8/3/2018	16/3/2018	0.04	0.04	0.04	0.04
	Standing Water Level	Metres	Every 6 Months	1	8/3/2018	16/3/2018	58.97	58.97	58.97	58.97
19	Conductivity	µS/cm	Every 6 Months	1	13/3/2018	19/3/2018	2290	2290	2290	2290
	Nitrate	mg/L	Every 6 Months	1	13/3/2018	19/3/2018	13.0	13.0	13.0	13.0
	Nitrogen (Total)	mg/L	Every 6 Months	1	13/3/2018	19/3/2018	13.9	13.9	13.9	13.9
	pH	pH	Every 6 Months	1	13/3/2018	19/3/2018	7.93	7.93	7.93	7.93
	Phosphorus (Total)	mg/L	Every 6 Months	1	13/3/2018	19/3/2018	0.27	0.27	0.27	0.27
	Reactive Phosphorus	mg/L	Every 6 Months	1	13/3/2018	19/3/2018	0.25	0.25	0.25	0.25
	Standing Water Level	Metres	Every 6 Months	1	13/3/2018	19/3/2018	19.57	19.57	19.57	19.57
20	Conductivity	µS/cm	Every 6 Months	1	13/3/2018	19/3/2018	997	997	997	997
	Nitrate	mg/L	Every 6 Months	1	13/3/2018	19/3/2018	1.83	1.83	1.83	1.83
	Nitrogen (Total)	mg/L	Every 6 Months	1	13/3/2018	19/3/2018	2.3	2.3	2.3	2.3
	pH	pH	Every 6 Months	1	13/3/2018	19/3/2018	8.21	8.21	8.21	8.21
	Phosphorus (Total)	mg/L	Every 6 Months	1	13/3/2018	19/3/2018	0.11	0.11	0.11	0.11
	Reactive Phosphorus	mg/L	Every 6 Months	1	13/3/2018	19/3/2018	0.1	0.1	0.1	0.1
	Standing Water Level	Metres	Every 6 Months	1	13/3/2018	19/3/2018	17.08	17.08	17.08	17.08
21	Conductivity	µS/cm	Every 6 Months	1	13/3/2018	19/3/2018	2060	2060	2060	2060
	Nitrate	mg/L	Every 6 Months	1	13/3/2018	19/3/2018	0.92	0.92	0.92	0.92
	Nitrogen (Total)	mg/L	Every 6 Months	1	13/3/2018	19/3/2018	0.9	0.9	0.9	0.9
	pH	pH	Every 6 Months	1	13/3/2018	19/3/2018	7.71	7.71	7.71	7.71
	Phosphorus (Total)	mg/L	Every 6 Months	1	13/3/2018	19/3/2018	<0.01	<0.01	<0.01	<0.01
	Reactive Phosphorus	mg/L	Every 6 Months	1	13/3/2018	19/3/2018	<0.01	<0.01	<0.01	<0.01
	Standing Water Level	Metres	Every 6 Months	1	13/3/2018	19/3/2018	12.48	12.48	12.48	12.48
22	Conductivity	µS/cm	Every 6 Months	1	8/3/2018	16/3/2018	1770	1770	1770	1770
	Nitrate	mg/L	Every 6 Months	1	8/3/2018	16/3/2018	0.18	0.18	0.18	0.18



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	Nitrogen (Total)	mg/L	Every 6 Months	1	8/3/2018	16/3/2018	14.3	14.3	14.3	14.3
	pH	pH	Every 6 Months	1	8/3/2018	16/3/2018	7.99	7.99	7.99	7.99
	Phosphorus (Total)	mg/L	Every 6 Months	1	8/3/2018	16/3/2018	12.6	12.6	12.6	12.6
	Reactive Phosphorus	mg/L	Every 6 Months	1	8/3/2018	16/3/2018	<0.01	<0.01	<0.01	<0.01
	Standing Water Level	Metres	Every 6 Months	1	8/3/2018	16/3/2018	15.82	15.82	15.82	15.82

WERRIS CREEK COAL EPL – MONTHLY SUMMARY
Table 4 – Monitoring (Noise – Limits Apply)

Location	Date	Measurement Period	Start Time	Measured levels – dB(A)		Limit(s)	Weather (inversion oC/100m, wind m/s & °)	Observations	(Potential) Non-compliance /breach	Date Obtained
				LA1, 1 Minute	L _{Aeq} , 15 Minute					
R24	19/3/2018	60 minutes	16:16	N/A	IA	Day 37	NA, 3.0m/s, 268 degrees.	WCCM inaudible. Road traffic to 45 dB, birds audible at low levels.	No	10/4/2018
R12	20/3/2018	60 minutes	11:53	N/A	IA	Day 38	NA, 2.6m/s, 252 degrees.	WCCM inaudible. Road traffic to 50 dB, train to 53 dB, insects to 35 dB and birds at low levels.	No	10/4/2018
R96	19/3/2018	60 minutes	10:41	N/A	NM	Day 38	NA, 1.5m/s, 356 degrees.	WCCM audible but not measurable. Birds to 50 dB, insects to 40 dB, breeze to 30 dB train and dogs at low levels.	No	10/4/2018
R98	20/3/2018	60 minutes	13:01	N/A	<25	Day 36	NA, 3.0m/s, 206 degrees,	WCCM continuum <25 dB. Birds/insects to 33 dB, train to 35 dB, breeze to 36 dB.	No	10/4/2018
R24	19/3/2018	60 minutes	18:53	28	<25	Night 37	5.8°/100m, 2.8m/s, 357 degrees.	WCCM continuum <25 dB, engine surge to 28dB. Road traffic to 50 dB, train to 50 dB, birds to 30 dB	No	10/4/2018
R12	19/3/2018	60 minutes	19:34	32	29	Night 38	7.2°/100m, 2.3m/s, 342 degrees.	WCCM continuum 29 dB, surge in continuum to 32dB. Road traffic to 50 dB, dogs to 40 dB, insects to 35 dB	No	10/4/2018
R96	19/3/2018	60 minutes	21:30	<25	<25	Night 38	10.0°/100m, 2.1m/s, 266 degrees.	WCCM continuum <25 dB. Train to 35 dB, insects to 28 dB, road traffic and dogs at low levels.	No	10/4/2018
R98	19/3/2018	60 minutes	20:55	30	<30	Night 38	7.5°/100m 2.6m/s, 249 degrees.	WCCM continuum <30 dB. Train up to 35 dB, aircraft to 25 dB, insects at low levels.	No	10/4/2018

NM = Not Measurable. This denotes noise from the mine was audible at low levels however cannot be quantified.

IA = Inaudible.

WERRIS CREEK COAL EPL – MONTHLY SUMMARY

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	Date Obtained
R11	Blast Noise	dB (Lin Peak)	Every Blast	11	99.7	109.0	120.0	No	1/04/2018
	Blast Vibration	mm/s	Every Blast	11	0.10	0.22	10.0	No	1/04/2018
R98	Blast Noise	dB (Lin Peak)	Every Blast	11	99.0	106.1	120.0	No	1/04/2018
	Blast Vibration	mm/s	Every Blast	11	0.56	1.04	10.0	No	1/04/2018
R62	Blast Noise	dB (Lin Peak)	Every Blast	11	99.9	104.4	120.0	No	1/04/2018
	Blast Vibration	mm/s	Every Blast	11	0.26	0.53	10.0	No	1/04/2018
R92	Blast Noise	dB (Lin Peak)	Every Blast	11	98.5	103.0	120.0	No	1/04/2018
	Blast Vibration	mm/s	Every Blast	11	0.20	0.37	10.0	No	1/04/2018

WERRIS CREEK COAL EPL – MONTHLY SUMMARY

