

**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:** SEPTEMBER 2020

**Obtained Date:** 20/10/2020

**Publication Date:** 02/11/20

**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 <sup>3</sup>	Every 6 days	5	29/09/2020	14/10/2020	3.9	8.9	8.6	12.2
	Solid Particles	g/m <sup>2</sup> /month	Continuous	1	21/09/2020	05/10/2020	0.4	0.4	0.4	0.4
29	PM10	µg/m <sup>3</sup>	Every 6 days	5	29/09/2020	14/10/2020	3.8	10.6	11.7	15.7
	Solid Particles	g/m <sup>2</sup> /month	Continuous	1	21/09/2020	05/10/2020	0.7	0.7	0.7	0.7
30	PM10	µg/m <sup>3</sup>	Continuous	Continuous	30/9/2020	01/10/2020	0.6	10.4	10.2	19.8
	Solid Particles	g/m <sup>2</sup> /month	Continuous	1	21/09/2020	05/10/2020	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*	-	-	-	-	-	-
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*	-	-	-	-	-	-



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	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*	-	-	-	-	-	-
	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*	-	-	-	-	-	-
	Total Suspended Solids	mg/L	Special Frequency 1	0*	-	-	-	-	-	-
23	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*	-	-	-	-	-	-
24	Conductivity	µS/cm	Special Frequency 2	0*	-	-	-	-	-	-

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	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*	-	-	-	-	-	-
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*	-	-	-	-	-	-
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*	-	-	-	-	-	-
33*	Aluminium (dissolved)	mg/L	Special Frequency 3	0*	-	-	-	-	-	-



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<b>EPL ID</b>	<b>Pollutant</b>	<b>Units of Measure</b>	<b>Monitoring Frequency</b>	<b>No. of Measurements for the Month</b>	<b>Date Sampled</b>	<b>Date Obtained</b>	<b>Min Value</b>	<b>Mean Value</b>	<b>Median Value</b>	<b>Max Value</b>
	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*	-	-	-	-	-	-
	Copper (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*	-	-	-	-	-	-



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<b>EPL ID</b>	<b>Pollutant</b>	<b>Units of Measure</b>	<b>Monitoring Frequency</b>	<b>No. of Measurements for the Month</b>	<b>Date Sampled</b>	<b>Date Obtained</b>	<b>Min Value</b>	<b>Mean Value</b>	<b>Median Value</b>	<b>Max Value</b>
	Cobalt (dissolved)	mg/L	Special Frequency 3	0*	-	-	-	-	-	-
	Copper (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*	-	-	-	-	-	-	
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*	-	-	-	-	-	-
	Copper (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*	-	-	-	-	-	-



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	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*	-	-	-	-	-	-

**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	0*	-	-	-	-	2000	No

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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)
	Oil and Grease	mg/L	Special Frequency 3	0*	-	-	-	-	10	No
	pH	pH	Special Frequency 4	0*	-	-	-	-	9	No
34	Electrical Conductivity	mg/L	Special Frequency 4	0*	-	-	-	-	2000	No
	Oil and Grease	mg/L	Special Frequency 3	0*	-	-	-	-	10	No
	pH	pH	Special Frequency 4	0*	-	-	-	-	9	No
35	Electrical Conductivity	mg/L	Special Frequency 4	0*	-	-	-	-	2000	No
	Oil and Grease	mg/L	Special Frequency 3	0*	-	-	-	-	10	No
	pH	pH	Special Frequency 4	0*	-	-	-	-	9	No

~ Total Suspended Solids permitted to exceed 50mg/L if 5 day rainfall is greater than 39.2mm prior to discharge

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

\*No Special Frequency Events occurred during Sampling Period, therefor no data has been collected.

- For the purposes of this condition, Special Frequency 1 means as soon as practicable after overflow commences and in any case not more than 12 hours after any overflow commencing.
- For the purposes of this condition, Special Frequency 2 means within 12 hours after any overflow from a storage dam(s) on the premises occurring.
- For the purposes of this condition, Special Frequency 3 means every three months. If no mine void water is planned to be provided for agricultural purposes within the three months following scheduled sampling, then sampling is not required.
- For the purposes of this condition, Special Frequency 4 means prior to, but not more than 24 hours prior to providing mine void water for agricultural purposes and then weekly thereafter, until the provision of water ceases. Samples are only required to be taken from the void water dam that is supplying water for agricultural purposes.

**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*	0	-	-	-	-	-
	Nitrate	mg/L	Every 3 Months	0*	0	-	-	-	-	-
	Nitrogen (Total)	mg/L	Every 3 Months	0*	0	-	-	-	-	-
	Oil and Grease	mg/L	Every 3 Months	0*	0	-	-	-	-	-
	pH	pH	Every 3 Months	0*	0	-	-	-	-	-
	Phosphorus (Total)	mg/L	Every 3 Months	0*	0	-	-	-	-	-
	Reactive Phosphorus	mg/L	Every 3 Months	0*	0	-	-	-	-	-
	Total Suspended Solids	mg/L	Every 3 Months	0*	0	-	-	-	-	-
27	Conductivity	µS/cm	Every 3 Months	0*	0	-	-	-	-	-
	Nitrate	mg/L	Every 3 Months	0*	0	-	-	-	-	-
	Nitrogen (Total)	mg/L	Every 3 Months	0*	0	-	-	-	-	-
	Oil and Grease	mg/L	Every 3 Months	0*	0	-	-	-	-	-
	pH	pH	Every 3 Months	0*	0	-	-	-	-	-
	Phosphorus (Total)	mg/L	Every 3 Months	0*	0	-	-	-	-	-
	Reactive Phosphorus	mg/L	Every 3 Months	0*	0	-	-	-	-	-
	Total Suspended Solids	mg/L	Every 3 Months	0*	0	-	-	-	-	-
17	Conductivity	µS/cm	Every 6 Months	0*	0	-	-	-	-	-
	Nitrate	mg/L	Every 6 Months	0*	0	-	-	-	-	-
	Nitrogen (Total)	mg/L	Every 6 Months	0*	0	-	-	-	-	-
	pH	pH	Every 6 Months	0*	0	-	-	-	-	-
	Phosphorus (Total)	mg/L	Every 6 Months	0*	0	-	-	-	-	-
	Reactive Phosphorus	mg/L	Every 6 Months	0*	0	-	-	-	-	-
	Standing Water Level	Metres	Every 6 Months	0*	0	-	-	-	-	-
18	Conductivity	µS/cm	Every 6 Months	0*	0	-	-	-	-	-



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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
	Nitrate	mg/L	Every 6 Months	0*	0	-	-	-	-	-
	Nitrogen (Total)	mg/L	Every 6 Months	0*	0	-	-	-	-	-
	pH	pH	Every 6 Months	0*	0	-	-	-	-	-
	Phosphorus (Total)	mg/L	Every 6 Months	0*	0	-	-	-	-	-
	Reactive Phosphorus	mg/L	Every 6 Months	0*	0	-	-	-	-	-
	Standing Water Level	Metres	Every 6 Months	0*	0	-	-	-	-	-
19	Conductivity	µS/cm	Every 6 Months	0*	0	-	-	-	-	-
	Nitrate	mg/L	Every 6 Months	0*	0	-	-	-	-	-
	Nitrogen (Total)	mg/L	Every 6 Months	0*	0	-	-	-	-	-
	pH	pH	Every 6 Months	0*	0	-	-	-	-	-
	Phosphorus (Total)	mg/L	Every 6 Months	0*	0	-	-	-	-	-
	Reactive Phosphorus	mg/L	Every 6 Months	0*	0	-	-	-	-	-
20	Standing Water Level	Metres	Every 6 Months	0*	0	-	-	-	-	-
	Conductivity	µS/cm	Every 6 Months	0*	0	-	-	-	-	-
	Nitrate	mg/L	Every 6 Months	0*	0	-	-	-	-	-
	Nitrogen (Total)	mg/L	Every 6 Months	0*	0	-	-	-	-	-
	pH	pH	Every 6 Months	0*	0	-	-	-	-	-
	Phosphorus (Total)	mg/L	Every 6 Months	0*	0	-	-	-	-	-
21	Reactive Phosphorus	mg/L	Every 6 Months	0*	0	-	-	-	-	-
	Standing Water Level	Metres	Every 6 Months	0*	0	-	-	-	-	-
	Conductivity	µS/cm	Every 6 Months	0*	0	-	-	-	-	-
	Nitrate	mg/L	Every 6 Months	0*	0	-	-	-	-	-
	Nitrogen (Total)	mg/L	Every 6 Months	0*	0	-	-	-	-	-
	pH	pH	Every 6 Months	0*	0	-	-	-	-	-

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22	Conductivity	µS/cm	Every 6 Months	0*	0	-	-	-	-	-
	Nitrate	mg/L	Every 6 Months	0*	0	-	-	-	-	-
	Nitrogen (Total)	mg/L	Every 6 Months	0*	0	-	-	-	-	-
	pH	pH	Every 6 Months	0*	0	-	-	-	-	-
	Phosphorus (Total)	mg/L	Every 6 Months	0*	0	-	-	-	-	-
	Reactive Phosphorus	mg/L	Every 6 Months	0*	0	-	-	-	-	-
	Standing Water Level	Metres	Every 6 Months	0*	0	-	-	-	-	-

\*This reporting period does not include measurements for the 6 monthly or 3 monthly monitoring as they did not occur in this period. These will be reported in their relevant periods.

**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 °C/100m, wind m/s & °)	Observations	(Potential) Non-compliance /breach	Date Obtained
				LA1, 1 Minute	L <sub>Aeq</sub> , 15 Minute					
R24	28 September 2020	60 minutes	10:12am	N/A	42	Day 37	2.9m/s, 034 degrees	Traffic (42), birds (28), insects (24), <b>WCC (&lt;20)</b>	No	20/10/2020
R12	28 September 2020	60 minutes	11:21am	N/A	42	Day 38	1.0m/s, 255 degrees	Traffic (42), insects (30), aeroplane (27), <b>WCC (&lt;20)</b>	No	20/10/2020
R96	28 September 2020	60 minutes	12:35pm	N/A	36	Day 38	1.6m/s, 344 degrees	Birds (34), traffic (31), <b>WCC (&lt;20)</b>	No	20/10/2020
R98	28 September 2020	60 minutes	1:48pm	N/A	43	Day 36	1.8m/s, 150 degrees	Birds (42), residential (36), <b>WCC (&lt;20)</b>	No	20/10/2020
R57	28 September 2020	60 minutes	3:48pm	N/A	51	Day 35	3.0m/s, 272 degrees	Traffic (50), birds (42), insects (36), trains (34), <b>WCC (&lt;20)</b>	No	20/10/2020
R24	28 September 2020	60 minutes	7:07pm	<20	45	Night 37	+4.8°C/100, 2.5m/s, 152 degrees	Traffic (45), insects (35), <b>WCC (&lt;20)</b>	No	20/10/2020
R12	28 September 2020	60 minutes	8:11pm	<20	42	Night 38	+1.9°C/100, 2.6m/s, 135 degrees	Traffic (41), insects (35), <b>WCC (&lt;20)</b>	No	20/10/2020
R96	28 September 2020	60 minutes	9:22pm	<20	28	Night 38	+4.8°C/100, 2.2m/s, 149 degrees	Birds (28), <b>WCC (&lt;20)</b>	No	20/10/2020
R98	28 September 2020	60 minutes	10:30pm	<20	31	Night 38	+4.4°C/100, 1.9m/s, 138 degrees	Insects (31), residential (22), <b>WCC (&lt;20)</b>	No	20/10/2020
R57	29 September 2020	60 minutes	12:20am	24	31	Night 35	+3.3°C/100, 1.1m/s, 150 degrees	Traffic (31), insects (22), <b>WCC (21)</b>	No	20/10/2020

**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)**

<b>Location</b>	<b>Parameter</b>	<b>Units of Measure</b>	<b>Frequency</b>	<b>No. of Blasts for the Month</b>	<b>Average Value</b>	<b>Max Value</b>	<b>100%ile Limit</b>	<b>(Potential) Non-compliance /breach</b>	<b>Date Obtained</b>
<b>R11</b>	<b>Blast Noise</b>	<b>dB (Lin Peak)</b>	<b>Every Blast</b>	6	95.8	102.6	120.0	No	01/10/2020
	<b>Blast Vibration</b>	<b>mm/s</b>	<b>Every Blast</b>	6	0.10	0.20	10.0	No	01/10/2020
<b>R98</b>	<b>Blast Noise</b>	<b>dB (Lin Peak)</b>	<b>Every Blast</b>	6	96.1	101.5	120.0	No	01/10/2020
	<b>Blast Vibration</b>	<b>mm/s</b>	<b>Every Blast</b>	6	0.50	1.35	10.0	No	01/10/2020
<b>R62</b>	<b>Blast Noise</b>	<b>dB (Lin Peak)</b>	<b>Every Blast</b>	6	95.9	101.7	120.0	No	01/10/2020
	<b>Blast Vibration</b>	<b>mm/s</b>	<b>Every Blast</b>	6	0.33	0.48	10.0	No	01/10/2020
<b>R92</b>	<b>Blast Noise</b>	<b>dB (Lin Peak)</b>	<b>Every Blast</b>	6	97.1	107.2	120.0	No	01/10/2020
	<b>Blast Vibration</b>	<b>mm/s</b>	<b>Every Blast</b>	6	0.26	0.36	10.0	No	01/10/2020

WERRIS CREEK COAL EPL – MONTHLY SUMMARY

