

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: February 2020 Obtained Date: 11/3/2020 Publication Date: 25/3/2020

**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
20	PM10	μg/m³	Every 6 days	5	26/02/2020	3/03/2020	2.3	14.2	9.0	32.7
28	Solid Particles	g/m²/month	Continuous	1	19/02/2020	10/03/2020	3.8	3.8	3.8	3.8
29	PM10	μg/m³	Every 6 days	5	26/02/2020	3/03/2020	2.7	13.4	15.9	19.2
29	<b>Solid Particles</b>	g/m²/month	Continuous	1	19/02/2020	10/03/2020	2.8	2.8	2.8	2.8
30	PM10	μg/m³	Continuous	Continuous	29/02/2020	1/03/2020	10.5	22.4	20.7	66
30	<b>Solid Particles</b>	g/m²/month	Continuous	1	19/02/2020	10/03/2020	2.1	2.1	2.1	2.1
	Conductivity	μS/cm	Special Frequency 1	0	-	-	-	-	-	-
	Nitrate	mg/L	Special Frequency 1	0	ı	-	-	-	-	1
10	Nitrogen (Total)	mg/L	Special Frequency 1	0	ı	-	-	-	-	1
	Phosphorus (Total)	mg/L	Special Frequency 1	0	ı	-	-	-	-	1
	<b>Reactive Phosphorus</b>	mg/L	Special Frequency 1	0	ı	-	-	-	-	1
	Conductivity	μS/cm	Special Frequency 1	0	ı	-	-	-	-	1
	Nitrate	mg/L	Special Frequency 1	0	ı	-	-	-	-	1
12	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	-	-	-	-	-	-
14	Nitrate	mg/L	Special Frequency 1	0	-	-	-	-	-	-

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

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
	Total Suspended Solids	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	-	-	-	1	-	-
25	рН	рН	Special Frequency 2	0	-	-	-	-	-	-
	Phosphorus (Total)	mg/L	Special Frequency 2	0	-	-	-	-	-	-
	Reactive Phosphorus	mg/L	Special Frequency 2	0	-	ı	-	1	-	-
	Total Suspended Solids	mg/L	Special Frequency 2	0	-	-	-	ı	-	-
	Conductivity	μS/cm	Special Frequency 2	0	-	ı	-	1	-	-
	Nitrate	mg/L	Special Frequency 2	0	-	ı	-	1	-	-
	Nitrogen (Total)	mg/L	Special Frequency 2	0	-	ı	-	1	-	-
	Oil and Grease	mg/L	Special Frequency 2	0	-	-	-	-	-	-
26	рН	рН	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	-	-	-	-	-	-
	Aluminium (dissolved)	mg/L	Special Frequency 3	0	-	-	-	-	-	-
	Arsenic (dissolved)	mg/L	Special Frequency 3	0	-	-	-	-	-	-
33*	Barium (dissolved)	mg/L	Special Frequency 3	0	-	-	-	-	-	
33"	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	-	-	-	-	-	-

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
	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	-	-	-	-	-	1
	Nickel (dissolved)	mg/L	Special Frequency 3	0	-	ı	-	-	-	1
	Potassium	mg/L	Special Frequency 3	0	-	ı	-	-	-	1
	Selenium (dissolved)	mg/L	Special Frequency 3	0	-	ı	-	-	-	ı
	Sodium	mg/L	Special Frequency 3	0	-	ı	-	-	-	ı
	Total dissolved solids	mg/L	Special Frequency 3	0	-	ı	-	-	-	1
	Vanadium (dissolved)	mg/L	Special Frequency 3	0	-	ı	-	-	-	1
	Zinc (dissolved)	mg/L	Special Frequency 3	0	-	-	-	-	-	-
	Aluminium (dissolved)	mg/L	Special Frequency 3	0	-	-	-	-	-	ı
	Arsenic (dissolved)	mg/L	Special Frequency 3	0	-	ı	-	-	-	-
	Barium (dissolved)	mg/L	Special Frequency 3	0	-	ı	-	-	-	1
	Beryllium (dissolved)	mg/L	Special Frequency 3	0	-	-	-	-	-	-
	BOD	mg/L	Special Frequency 3	0	-	-	-	-	-	-
34	Cadmium (dissolved)	mg/L	Special Frequency 3	0	-	-	-	-	-	-
	Chromium (dissolved)	mg/L	Special Frequency 3	0	-	ı	-	-	-	-
	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	-	-	-	-	-	-

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
	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	-	-	-	-	-	-
	Aluminium (dissolved)	mg/L	Special Frequency 3	0	-	-	-	-	-	1
	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	-	-	-	-	-	1
	Cadmium (dissolved)	mg/L	Special Frequency 3	0	-	-	-	-	-	1
	Chromium (dissolved)	mg/L	Special Frequency 3	0	-	-	-	-	-	1
	Cobalt (dissolved)	mg/L	Special Frequency 3	0	-	-	-	-	-	ı
35	Copper (dissolved)	mg/L	Special Frequency 3	0	-	-	-	-	-	ı
	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	-			-	-	-

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
	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**

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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)
	Total Suspended Solids	mg/L	Special Frequency 1	1	09/02/2020	21/02/2020	117	117	50*	No
10	Oil and Grease	mg/L	Special Frequency 1	1	09/02/2020	21/02/2020	<5	<5	10	No
	рН	рН	Special Frequency 1	1	09/02/2020	21/02/2020	8.00	8.00	6.5-8.5	No
	<b>Total Suspended Solids</b>	mg/L	Special Frequency 1	0					50	No
12	Oil and Grease	mg/L	Special Frequency 1	0	-	-			10	No
	рН	рН	Special Frequency 1	0	-	-			6.5-8.5	No
	<b>Total Suspended Solids</b>	mg/L	Special Frequency 1	1	03/02/2020	13/02/2020	47	47	50	No
14	Oil and Grease	mg/L	Special Frequency 1	1	03/02/2020	13/02/2020	<b>&lt;</b> 5	<5	10	No
	рН	рН	Special Frequency 1	1	03/02/2020	13/02/2020	7.7	7.7	6.5-8.5	No
	<b>Total Suspended Solids</b>	mg/L	Special Frequency 1	1	09/02/2020	21/02/2020	117	117	50*	No
14	Oil and Grease	mg/L	Special Frequency 1	1	09/02/2020	21/02/2020	<5	<5	10	No
	рН	рН	Special Frequency 1	1	09/02/2020	21/02/2020	7.2	7.2	6.5-8.5	No
	<b>Total Suspended Solids</b>	mg/L	Special Frequency 1	1	18/02/2020	02/03/2020	32	32	50	No
14	Oil and Grease	mg/L	Special Frequency 1	1	18/02/2020	02/03/2020	<5	<5	10	No
	рН	рН	Special Frequency 1	1	18/02/2020	02/03/2020	5.5	5.5	6.5-8.5	Yes
	<b>Total Suspended Solids</b>	mg/L	Special Frequency 1	1	03/02/2020	13/02/2020	370	370	50	No
23	Oil and Grease	mg/L	Special Frequency 1	1	03/02/2020	13/02/2020	<b>&lt;</b> 5	<5	10	No
	рН	рН	Special Frequency 1	1	03/02/2020	13/02/2020	8.7	8.7	6.5-8.5	No
23	<b>Total Suspended Solids</b>	mg/L	Special Frequency 1	1	09/02/2020	21/02/2020	200	200	50	No

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 1	1	09/02/2020	21/02/2020	<5	<5	10	No
	рН	рН	Special Frequency 1	1	09/02/2020	21/02/2020	8.0	8.0	6.5-8.5	No
	<b>Total Suspended Solids</b>	mg/L	Special Frequency 1	1	18/02/2020	02/03/2020	240	240	50	No
23	Oil and Grease	mg/L	Special Frequency 1	1	18/02/2020	02/03/2020	<5	<5	10	No
	рН	рН	Special Frequency 1	1	18/02/2020	02/03/2020	8.3	8.3	6.5-8.5	No
	<b>Total Suspended Solids</b>	mg/L	Special Frequency 1	1	03/02/2020	13/02/2020	930	930	50	No
24	Oil and Grease	mg/L	Special Frequency 1	1	03/02/2020	13/02/2020	<5	<5	10	No
	рН	рН	Special Frequency 1	1	03/02/2020	13/02/2020	8	8	6.5-8.5	No
	<b>Total Suspended Solids</b>	mg/L	Special Frequency 1	1	09/02/2020	21/02/2020	210	210	50	No
24	Oil and Grease	mg/L	Special Frequency 1	1	09/02/2020	21/02/2020	<5	<5	10	No
	рН	рН	Special Frequency 1	1	09/02/2020	21/02/2020	8.2	8.2	6.5-8.5	No
	<b>Total Suspended Solids</b>	mg/L	Special Frequency 1	1	18/02/2020	02/03/2020	250	250	50	No
24	Oil and Grease	mg/L	Special Frequency 1	1	18/02/2020	02/03/2020	<5	<5	10	No
	рН	рН	Special Frequency 1	1	18/02/2020	02/03/2020	8.1	8.1	6.5-8.5	No
	<b>Total Suspended Solids</b>	mg/L	Special Frequency 1	1	09/02/2020	21/02/2020	100	100	50	No
25	Oil and Grease	mg/L	Special Frequency 1	1	09/02/2020	21/02/2020	<b>&lt;</b> 5	<5	10	No
	рН	рН	Special Frequency 1	1	09/02/2020	21/02/2020	7.5	7.5	6.5-8.5	No
	<b>Total Suspended Solids</b>	mg/L	Special Frequency 1	1	09/02/2020	21/02/2020	190	190	50	No
26	Oil and Grease	mg/L	Special Frequency 1	1	09/02/2020	21/02/2020	8	8	10	No
	рН	рН	Special Frequency 1	1	09/02/2020	21/02/2020	7.9	7.9	6.5-8.5	No
	<b>Total Suspended Solids</b>	mg/L	Special Frequency 1	0	-	ı			50	No
32	Oil and Grease	mg/L	Special Frequency 1	0	-	-			10	No
	рН	рН	Special Frequency 1	0	-	-			6.5-8.5	No
	<b>Electrical Conductivity</b>	mg/L	Special Frequency 4	0	-	-	-	-	2000	No
33^	Oil and Grease	mg/L	Special Frequency 3	0	-	-	-	-	10	No
	рН	рН	Special Frequency 4	0	-	-	-	-	9	No
34	<b>Electrical Conductivity</b>	mg/L	Special Frequency 4	0	-	-	-	-	2000	No

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
	рН	рН	Special Frequency 4	0	-	-	-	-	9	No
	<b>Electrical Conductivity</b>	mg/L	Special Frequency 4	0	-	-	-	-	2000	No
35	Oil and Grease	mg/L	Special Frequency 3	0	-	-	-	-	10	No
	рН	рН	Special Frequency 4	0	-	-	-	-	9	No

<sup>\*</sup>Total Suspended Solids permitted to exceed 50mg/L if 5 day rainfall is greater than 39.2mm prior to discharge

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
	Conductivity	μS/cm	Every 3 Months	0	20/02/2020	03/03/2020	1060	1060	1060	1060
	Nitrate	mg/L	<b>Every 3 Months</b>	0	20/02/2020	03/03/2020	0.56	0.56	0.56	0.56
	Nitrogen (Total)	mg/L	<b>Every 3 Months</b>	0	20/02/2020	03/03/2020	1.2	1.2	1.2	1.2
	Oil and Grease	mg/L	<b>Every 3 Months</b>	0	20/02/2020	03/03/2020	<5	<5	<5	<5
16	рН	рН	<b>Every 3 Months</b>	0	20/02/2020	03/03/2020	8.58	8.58	8.58	8.58
	Phosphorus (Total)	mg/L	<b>Every 3 Months</b>	0	20/02/2020	03/03/2020	.21	.21	.21	.21
	Reactive Phosphorus	mg/L	<b>Every 3 Months</b>	0	20/02/2020	03/03/2020	<0.01	<0.01	<0.01	<0.01
	Total Suspended Solids	mg/L	Every 3 Months	0	20/02/2020	03/03/2020	23	23	23	23
	Conductivity	μS/cm	<b>Every 3 Months</b>	0	20/02/2020	03/03/2020	696	696	696	696
	Nitrate	mg/L	<b>Every 3 Months</b>	0	20/02/2020	03/03/2020	0.83	0.83	0.83	0.83
27	Nitrogen (Total)	mg/L	<b>Every 3 Months</b>	0	20/02/2020	03/03/2020	1.2	1.2	1.2	1.2
	Oil and Grease	mg/L	<b>Every 3 Months</b>	0	20/02/2020	03/03/2020	<5	<5	<5	<5
	pН	рН	Every 3 Months	0	20/02/2020	03/03/2020	7.98	7.98	7.98	7.98

<sup>^</sup> EPL ID Point 33 is the point of discharge for discharge sampling

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
	Phosphorus (Total)	mg/L	Every 3 Months	0	20/02/2020	03/03/2020	.15	.15	.15	.15
	Reactive Phosphorus	mg/L	Every 3 Months	0	20/02/2020	03/03/2020	<0.01	<0.01	<0.01	<0.01
	Total Suspended Solids	mg/L	Every 3 Months	0	20/02/2020	03/03/2020	43	43	43	43
	Conductivity	μS/cm	Every 6 Months	0	-	-	-	-	-	-
	Nitrate	mg/L	Every 6 Months	0	-	-	-	-	-	-
	Nitrogen (Total)	mg/L	Every 6 Months	0	-	-	-	-	-	-
17	рН	рН	Every 6 Months	0	-	-	-	-	-	1
	Phosphorus (Total)	mg/L	<b>Every 6 Months</b>	0	-	-	-	-	-	1
	Reactive Phosphorus	mg/L	<b>Every 6 Months</b>	0	-	-	-	-	-	-
	Standing Water Level	Metres	<b>Every 6 Months</b>	0	-	-	-	-	-	1
	Conductivity	μS/cm	<b>Every 6 Months</b>	0	-	-	-	-	-	ı
	Nitrate	mg/L	<b>Every 6 Months</b>	0	-	-	-	-	-	1
	Nitrogen (Total)	mg/L	<b>Every 6 Months</b>	0	-	-	-	-	-	ı
18	рН	рН	<b>Every 6 Months</b>	0	-	-	-	-	-	-
	Phosphorus (Total)	mg/L	<b>Every 6 Months</b>	0	-	-	-	-	-	-
	Reactive Phosphorus	mg/L	<b>Every 6 Months</b>	0	-	-	-	-	-	ı
	Standing Water Level	Metres	<b>Every 6 Months</b>	0	-	-	-	-	-	ı
	Conductivity	μS/cm	<b>Every 6 Months</b>	0	-	-	-	-	-	-
	Nitrate	mg/L	<b>Every 6 Months</b>	0	-	-	-	-	-	-
	Nitrogen (Total)	mg/L	<b>Every 6 Months</b>	0	-	-	-	-	-	-
19	рН	рН	<b>Every 6 Months</b>	0	-	-	-	-	-	-
	Phosphorus (Total)	mg/L	<b>Every 6 Months</b>	0	-	-	-	-	-	ı
	Reactive Phosphorus	mg/L	<b>Every 6 Months</b>	0	-	-	-	-	-	-
	Standing Water Level	Metres	<b>Every 6 Months</b>	0	-	-	-	-	-	-
20	Conductivity	μS/cm	<b>Every 6 Months</b>	0	-	-	-	-	-	ı
20	Nitrate	mg/L	<b>Every 6 Months</b>	0	-	-	-	-	-	-

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	0	-	-	-	-	-	-
	pН	рН	Every 6 Months	0	-	-	-	-	-	-
	Phosphorus (Total)	mg/L	Every 6 Months	0	-	-	-	-	-	-
	Reactive Phosphorus	mg/L	Every 6 Months	0	-	-	-	-	-	-
	Standing Water Level	Metres	Every 6 Months	0	-	-	-	-	-	-
	Conductivity	μS/cm	Every 6 Months	0	-	-	-	-	-	-
	Nitrate	mg/L	Every 6 Months	0	-	-	-	-	-	-
	Nitrogen (Total)	mg/L	Every 6 Months	0	-	-	-	-	-	-
21	рН	рН	Every 6 Months	0	-	-	-	-	-	-
	Phosphorus (Total)	mg/L	Every 6 Months	0	-	-	-	-	-	-
	Reactive Phosphorus	mg/L	Every 6 Months	0	-	-	-	-	-	-
	Standing Water Level	Metres	<b>Every 6 Months</b>	0	-	-	-	-	-	-
	Conductivity	μS/cm	<b>Every 6 Months</b>	0	-	-	-	-	-	-
	Nitrate	mg/L	<b>Every 6 Months</b>	0	-	-	-	-	-	-
	Nitrogen (Total)	mg/L	Every 6 Months	0	-	-	-	-	-	-
22	рН	рН	Every 6 Months	0	-	-	-	-	-	-
	Phosphorus (Total)	mg/L	Every 6 Months	0	-	-	-	-	-	-
	Reactive Phosphorus	mg/L	Every 6 Months	0	-	-	-	-	-	-
	Standing Water Level	Metres	Every 6 Months	0	-	-	-	-	-	-

TLTS - Too low to sample

**Table 4 – Monitoring (Noise – Limits Apply)** 

Location	Date	Measurement	Start Time	Measured levels – dB(A)		Limit(s)	Weather	Observations	(Potential)	Date
		Period		LA1, 1 Minute	LAeq, 15 Minute		(inversion oC/100m, wind m/s & °)		Non- compliance /breach	Obtained
R24	21 February 2020	60 minutes	10:01am	N/A	50	Day 37	3.1m/s, 19 degrees	Traffic (48), birds (44), <b>WCC (&lt;20)</b>	No	11/03/2020
R12	21 February 2020	60 minutes	11:15am	N/A	40	Day 38	0.4m/s, 56 degrees	Birds (37), traffic (36), <b>WCC (&lt;20)</b>	No	11/03/2020
R96	21 February 2020	60 minutes	12:22pm	N/A	35	Day 38	1.7m/s, 105 degrees	Cars (32), birds (32), WCC (<20)	No	11/03/2020
R98	21 February 2020	60 minutes	1:33pm	N/A	37	Day 36	1.2m/s, 195 degrees	Birds (37), <b>WCC (&lt;20)</b>	No	11/03/2020
R57	21 February 2020	60 minutes	4:08pm	N/A	49	Day 35	2.8m/s, 152 degrees	Traffic (47), residential (44), birds (39), WCC (<20)	No	11/03/2020
R24	20 and 21 February 2020	60 minutes	8:42pm	<20	46	Night 37	Lapse ,1.1m/s, 200 degrees	Traffic (43), frogs (41), WCC (<20)	No	11/03/2020
R12	20 and 21 February 2020	60 minutes	9:46pm	24	40	Night 38	Lapse, 1m/s, 129 degrees	Traffic (38), frogs (35), WCC (22)	No	11/03/2020
R96	20 and 21 February 2020	60 minutes	11:01pm	27	39	Night 38	Lapse, 1m/s, 195 degrees	Trains (36), insects (35), WCC (25)	No	11/03/2020
R98	20 and 21 February 2020	60 minutes	9:27pm	<20	40	Night 38	Lapse, 5.7m/s, 114 degrees	Insects (37), frogs (36), WCC (<20)	No	11/03/2020
R57	20 and 21 February 2020	60 minutes	7:41pm	<20	46	Night 35	Lapse, 5m/s, 138 degrees	Birds (43), traffic (43), industrial 36, <b>WCC</b> (<20)	No	11/03/2020

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

IA = Inaudible.

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

Location	Davamatav	Units of	Francis	No. of Blasts	Average	Max	100%ile	(Potential) Non-	Date
	Parameter	Measure	Frequency	for the Month	Value	Value	Limit	compliance /breach	Obtained
R11	Blast Noise	dB (Lin Peak)	<b>Every Blast</b>	9	99.3	102.8	120.0	No	2/3/2020
	Blast Vibration	mm/s	<b>Every Blast</b>	9	0.13	0.24	10.0	No	2/3/2020
R98	Blast Noise	dB (Lin Peak)	<b>Every Blast</b>	9	99.9	106.1	120.0	No	2/3/2020
	Blast Vibration	mm/s	<b>Every Blast</b>	9	0.70	1.39	10.0	No	2/3/2020
R62	Blast Noise	dB (Lin Peak)	<b>Every Blast</b>	9	100.2	106.8	120.0	No	2/3/2020
	Blast Vibration	mm/s	<b>Every Blast</b>	9	0.36	0.65	10.0	No	2/3/2020
R92	Blast Noise	dB (Lin Peak)	<b>Every Blast</b>	9	99.5	104.7	120.0	No	2/3/2020
	Blast Vibration	mm/s	<b>Every Blast</b>	9	0.31	0.57	10.0	No	2/3/2020



