

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: November 2019 **Obtained Date:** 8th January 2020 **Publication Date:** 15th January 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	28/11/2019	11/12/2019	3.8	52.1	28.2	106.0
28	Solid Particles	g/m²/month	Continuous	1	22/1/2019	4/12/2019	1.5	1.5	1.5	1.5
29	PM10	μg/m³	Every 6 days	5	28/11/2019	11/12/2019	1.8	44.1	24.2	92.0
29	Solid Particles	g/m²/month	Continuous	1	22/1/2019	4/12/2019	2.4	2.4	2.4	2.4
30	PM10	μg/m³	Continuous	Continuous	30/11/2019	1/12/2019	5.4	63.2	50.7	175.7
30	Solid Particles	g/m²/month	Continuous	1	22/1/2019	4/12/2019	1.5	1.5	1.5	1.5
	Conductivity	μS/cm	Special Frequency 1	0	-	-	-	-	-	-
	Nitrate	mg/L	Special Frequency 1	0	ı	-	-	ı	ı	-
10	Nitrogen (Total)	mg/L	Special Frequency 1	0	ı	-	-	1	•	-
	Phosphorus (Total)	mg/L	Special Frequency 1	0	ı	-	-	1	•	-
	Reactive Phosphorus	mg/L	Special Frequency 1	0	ı	-	-	1	•	-
	Conductivity	μS/cm	Special Frequency 1	0	ı	-	-	1	•	-
	Nitrate	mg/L	Special Frequency 1	0	-	-	-	-	-	-
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	-	-	-	-	-	-
	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	pН	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	-	-	-	-	-	-
	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	-	-	-	-	-	-
23	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	-	-	-	-	-	-
	Conductivity	μS/cm	Special Frequency 2	0	-	-	-	-	-	-
	Nitrate	mg/L	Special Frequency 2	0		-	-	-	-	
	Nitrogen (Total)	mg/L	Special Frequency 2	0	-	-	-	-	-	-
24	Oil and Grease	mg/L	Special Frequency 2	0	-	-	-	-	-	-
	рН	pН	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	-	-	-	1	-	-
	Oil and Grease	mg/L	Special Frequency 2	0	-	-	-	1	-	-
25	рН	рН	Special Frequency 2	0	-	ı	-	1	-	-
	Phosphorus (Total)	mg/L	Special Frequency 2	0	-	ı	-	1	-	-
	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	-	ı	-	1	-	-
	Total Suspended Solids	mg/L	Special Frequency 2	0	-	-	-	1	-	-
	Aluminium (dissolved)	mg/L	Special Frequency 3	0	-	-	-	ı	-	-
	Arsenic (dissolved)	mg/L	Special Frequency 3	0	-	-	-	1	-	-
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	-	-	-	1	-	-
	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	-	-	-	-	-	-
	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	-	-	-	1
	Sodium	mg/L	Special Frequency 3	0	-	ı	-	-	-	1
	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	-	ı	-	-	-	1
	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	-	-	-	-	-	-
	Beryllium (dissolved)	mg/L	Special Frequency 3	0	-	ı	-	-	-	1
	BOD	mg/L	Special Frequency 3	0	-	ı	-	-	-	1
34	Cadmium (dissolved)	mg/L	Special Frequency 3	0	-	ı	-	-	-	1
	Chromium (dissolved)	mg/L	Special Frequency 3	0	-	ı	-	-	-	-
	Cobalt (dissolved)	mg/L	Special Frequency 3	0	-	ı	-	-	-	1
	Copper (dissolved)	mg/L	Special Frequency 3	0	-	ı	-	-	-	1
	Iron (dissolved)	mg/L	Special Frequency 3	0	-	ı	-	-	-	-
	Lead (dissolved)	mg/L	Special Frequency 3	0	-	ı	-	-	-	-
	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	-	-	-	-	-	1
	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	-	-	-	-	-	ı
	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	-	-	-	-	-	1
	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

				1 Ollutalit El						
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	0	-	-	-	-	50*	No
10	Oil and Grease	mg/L	Special Frequency 1	0	-	-	1	1	10	No
	рН	рН	Special Frequency 1	0	-	-	ı	1	6.5-8.5	No
	Total Suspended Solids	mg/L	Special Frequency 1	0	-	-	1	1	50*	No
12	Oil and Grease	mg/L	Special Frequency 1	0	-	-	ı	1	10	No
	рН	рН	Special Frequency 1	0	-	-	ı	1	6.5-8.5	No
	Total Suspended Solids	mg/L	Special Frequency 1	0	-	-	-	-	50*	No
14	Oil and Grease	mg/L	Special Frequency 1	0	-	-	-	-	10	No
	рН	рН	Special Frequency 1	0	-	-	-	-	6.5-8.5	No
	Total Suspended Solids	mg/L	Special Frequency 1	0	-	-	-	-	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
	Electrical Conductivity	mg/L	Special Frequency 4	1	18/11/2019	18/11/2019	1240	1240	2000	No
33*	Oil and Grease	mg/L	Special Frequency 3	0	-	-	-	-	10	No
	рН	рН	Special Frequency 4	1	18/11/2019	18/11/2019	8.7	8.7	9	No
	Electrical Conductivity	mg/L	Special Frequency 4	0	-	-	ı	ı	2000	No
34	Oil and Grease	mg/L	Special Frequency 3	0	-	-	ı	-	10	No
	рН	рН	Special Frequency 4	0	-	-	ı	ı	9	No
35	Electrical Conductivity	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	-	ı	-	-	9	No

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

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	1	26/11/2019	9/12/2019	1270	1270	1270	1270
	Nitrate	mg/L	Every 3 Months	1	26/11/2019	9/12/2019	0.01	0.01	0.01	0.01
	Nitrogen (Total)	mg/L	Every 3 Months	1	26/11/2019	9/12/2019	0.1	0.1	0.1	0.1
	Oil and Grease	mg/L	Every 3 Months	1	26/11/2019	9/12/2019	<5	< 5	<5	<5
16	рН	рН	Every 3 Months	1	26/11/2019	9/12/2019	7.69	7.69	7.69	7.69
	Phosphorus (Total)	mg/L	Every 3 Months	1	26/11/2019	9/12/2019	<0.01	<0.01	<0.01	< 0.01
	Reactive Phosphorus	mg/L	Every 3 Months	1	26/11/2019	9/12/2019	<0.01	<0.01	<0.01	< 0.01
	Total Suspended Solids	mg/L	Every 3 Months	1	26/11/2019	9/12/2019	17	17	17	17
	Conductivity	μS/cm	Every 3 Months	1	26/11/2019	9/12/2019	1280	1280	1280	1280
	Nitrate	mg/L	Every 3 Months	1	26/11/2019	9/12/2019	0.01	0.01	0.01	0.01
	Nitrogen (Total)	mg/L	Every 3 Months	1	26/11/2019	9/12/2019	<0.1	<0.1	<0.1	<0.1
	Oil and Grease	mg/L	Every 3 Months	1	26/11/2019	9/12/2019	<5	< 5	<5	<5
27	рН	рН	Every 3 Months	1	26/11/2019	9/12/2019	7.97	7.97	7.97	7.97
	Phosphorus (Total)	mg/L	Every 3 Months	1	26/11/2019	9/12/2019	<0.01	<0.01	<0.01	< 0.01
	Reactive Phosphorus	mg/L	Every 3 Months	1	26/11/2019	9/12/2019	<0.01	<0.01	<0.01	<0.01
	Total Suspended Solids	mg/L	Every 3 Months	1	26/11/2019	9/12/2019	7	7	7	7
17	Conductivity	μS/cm	Every 6 Months	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
	Nitrate	mg/L	Every 6 Months	0	-	-	-	-	-	-
	Nitrogen (Total)	mg/L	Every 6 Months	0	-	-	-	-	-	-
	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	-	-	-	-	-	-
	Conductivity	μS/cm	Every 6 Months	0	-	-	-	-	-	-
	Nitrate	mg/L	Every 6 Months	0	-	-	-	-	-	-
	Nitrogen (Total)	mg/L	Every 6 Months	0	-	-	-	-	-	-
18	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	ı	-	-	-	-	-
	Nitrogen (Total)	mg/L	Every 6 Months	0	ı	-	-	-	-	-
19	рН	рН	Every 6 Months	0	ı	-	-	-	-	-
	Phosphorus (Total)	mg/L	Every 6 Months	0	ı	-	-	-	-	-
	Reactive Phosphorus	mg/L	Every 6 Months	0	ı	-	-	-	-	-
	Standing Water Level	Metres	Every 6 Months	0	ı	-	-	-	-	-
	Conductivity	μS/cm	Every 6 Months	0	ı	-	-	-	-	-
	Nitrate	mg/L	Every 6 Months	0	1	-	-	-	-	-
	Nitrogen (Total)	mg/L	Every 6 Months	0	-	-	-	-	-	-
20	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	-	-	-	-	-	-
21	Conductivity	μS/cm	Every 6 Months	0	1	-	-	-	-	-

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	-	-	-	-	-	-
	Nitrogen (Total)	mg/L	Every 6 Months	0	ı	-	-	-	-	-
	рН	рН	Every 6 Months	0	-	-	-	-	-	-
	Phosphorus (Total)	mg/L	Every 6 Months	0	ı	-	-	-	-	-
	Reactive Phosphorus	mg/L	Every 6 Months	0	ı	-	-	-	-	-
	Standing Water Level	Metres	Every 6 Months	0	ı	-	-	-	-	-
	Conductivity	μS/cm	Every 6 Months	0	ı	-	-	-	-	-
	Nitrate	mg/L	Every 6 Months	0	ı	-	-	-	-	-
	Nitrogen (Total)	mg/L	Every 6 Months	0	ı	-	-	-	-	-
22	рН	рН	Every 6 Months	0	ı	-	-	-	-	-
	Phosphorus (Total)	mg/L	Every 6 Months	0	ı	-	-	-	-	-
	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	Measure	ed levels –	Limit(s)	Weather	Observations	(Potential)	Date
		Period		di	3(A)		(inversion		Non-	Obtained
				LA1, 1 Minute	LAeq, 15 Minute		oC/100m, wind m/s & °)		compliance /breach	
R24	29/11/2019	60 minutes	10:59 am	N/A	42	Day 37	NA, 2.7m/s, 352 degrees	Truck (418), wind (32), WCC (<20)	No	8/1/2019
R12	29/11/2019	60 minutes	11:44 am	N/A	39	Day 38	NA, 2.9m/s, 333 degrees	Birds (38), traffic (29), WCC (<20)	No	8/1/2019
R96	29/11/2019	60 minutes	1:24 pm	N/A	40	Day 38	NA, 8.8m/s, 357 degrees	Insects (36), wind (34), traffic (32), WCC (<20)	No	8/1/2019
R98	29/11/2019	60 minutes	2:06 pm	N/A	35	Day 36	NA, 7.9m/s, 319 degrees	Birds (35), wind (23), traffic (32), WCC (21)	No	8/1/2019
R57	29/11/2019	60 minutes	3:04 pm	N/A	54	Day 35	NA, 9.2m/s, 325 degrees	Traffic (53), birds (43), WCC (<20)	No	8/1/2019
R24	28 and 29/11/2019	60 minutes	7:02 pm	<20	53	Night 37	Lapse, 0.9m/s, 302 degrees	Car (51), birds (44), traffic (38), WCC (<20)	No	8/1/2019
R12	28 and 29/11/2019	60 minutes	7:56 pm	<20	45	Night 38	+0.1°/100m, 1.1m/s, 49 degrees	Traffic (44), birds (35), WCC (<20)	No	8/1/2019
R96	28 and 29/11/2019	60 minutes	8:54 pm	29	45	Night 38	+2.6°/100m, 1.8m/s, 70 degrees	Insects (45), WCC (25)	No	8/1/2019
R98	28 and 29/11/2019	60 minutes	10:16 pm	<20	43	Night 38	Lapse, 5.1m/s, 357 degrees	Insects (43), wind (31), WCC (<20)	No	8/1/2019
R57	28 and 29/11/2019	60 minutes	10:46 pm	<20	36	Night 35	+2.8 °/100m, 1.7m/s, 211 degrees	Traffic (33), insects (33), WCC (<20)	No	8/1/2019

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	Parameter	Units of	Frequency	No. of Blasts	Average	Max	100%ile	(Potential) Non-	Date
		Measure		for the Month	Value	Value	Limit	compliance /breach	Obtained
R11	Blast Noise	dB (Lin Peak)	Every Blast	12	98.6	103.7	120.0	No	1/12/2019
	Blast Vibration	mm/s	Every Blast	12	0.08	0.22	10.0	No	1/12/2019
R98	Blast Noise	dB (Lin Peak)	Every Blast	12	0.49	1.02	120.0	No	1/12/2019
	Blast Vibration	mm/s	Every Blast	12	100.8	106.7	10.0	No	1/12/2019
R62	Blast Noise	dB (Lin Peak)	Every Blast	12	0.28	0.62	120.0	No	1/12/2019
	Blast Vibration	mm/s	Every Blast	12	99.8	108.5	10.0	No	1/12/2019
R92	Blast Noise	dB (Lin Peak)	Every Blast	12	0.19	0.60	120.0	No	1/12/2019
	Blast Vibration	mm/s	Every Blast	12	98.3	106.7	10.0	No	1/12/2019



