

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: October 2019

Obtained Date: Publication Date:

Table 1 - No Pollutant Limits Apply

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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/m³	Every 6 days	5	29/10/2019	7/11/2019	12.8	36.6	34.9	62.3
28	Solid Particles	g/m²/month	Continuous	1	22/10/2019	31/10/2019	0.3	0.3	0.3	0.3
29	PM10	μg/m³	Every 6 days	5	29/10/2019	7/11/2019	18.1	46.4	48.4	80.3
29	Solid Particles	g/m²/month	Continuous	1	22/10/2019	31/10/2019	2.3	2.3	2.3	2.3
30	PM10	μg/m³	Continuous	Continuous	31/10/2019	1/11/2019	3.6	34.4	24.6	111.4
30	Solid Particles	g/m²/month	Continuous	1	22/10/2019	31/10/2019	1.8	1.8	1.8	1.8
	Conductivity	μS/cm	Special Frequency 1	0	-	-	-	-	-	-
	Nitrate	mg/L	Special Frequency 1	0	ı	-	-	-	-	-
10	Nitrogen (Total)	mg/L	Special Frequency 1	0	ı	-	-	-	-	-
	Phosphorus (Total)	mg/L	Special Frequency 1	0	ı	-	-	-	-	-
	Reactive Phosphorus	mg/L	Special Frequency 1	0	ı	-	-	-	-	-
	Conductivity	μS/cm	Special Frequency 1	0	-	-	-	-	-	-
	Nitrate	mg/L	Special Frequency 1	0	ı	-	-	-	-	-
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

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	-	10	No
	рН	рН	Special Frequency 1	0	-	-	-	-	6.5-8.5	No
	Total Suspended Solids	mg/L	Special Frequency 1	0	-	-	1	-	50*	No
12	Oil and Grease	mg/L	Special Frequency 1	0	-	-	-	-	10	No
	рН	рН	Special Frequency 1	0	-	-	1	-	6.5-8.5	No
	Total Suspended Solids	mg/L	Special Frequency 1	0	-	-	ı	-	50*	No
14	Oil and Grease	mg/L	Special Frequency 1	0	-	-	ı	-	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	-	-	ı	-	10	No
	рН	рН	Special Frequency 1	0	-	-	1	-	6.5-8.5	No
	Electrical Conductivity	mg/L	Special Frequency 4	3	2, 17, 30/10/2019	2, 17, 30/10/2019	1180	1220	2000	No
33*	Oil and Grease	mg/L	Special Frequency 3	0	-	-	ı	-	10	No
	рН	рН	Special Frequency 4	3	2, 17, 30/10/2019	2, 17, 30/10/2019	8.3	8.4	9	No
34	Electrical Conductivity	mg/L	Special Frequency 4	0	-	-	1	-	2000	No
34	Oil and Grease	mg/L	Special Frequency 3	0	-	-	-	-	10	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)
	рН	рН	Special Frequency 4	0	-	-	-	-	9	No
	Electrical Conductivity	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

^{*} 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	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	-	-	-	-	-	-
16	рН	рН	Every 3 Months	0	-	-	-	-	-	-
	Phosphorus (Total)	mg/L	Every 3 Months	0	-	-	-	-	-	-
	Reactive Phosphorus	mg/L	Every 3 Months	0	-	-	-	-	-	-
	Total Suspended Solids	mg/L	Every 3 Months	0	-	-	-	-	-	ı
	Conductivity	μS/cm	Every 3 Months	0	-	-	-	-	-	-
	Nitrate	mg/L	Every 3 Months	0	-	-	-	-	-	1
27	Nitrogen (Total)	mg/L	Every 3 Months	0	-	-	-	-	-	-
21	Oil and Grease	mg/L	Every 3 Months	0	-	-	-	-	-	-
	рН	рН	Every 3 Months	0	-	-	-	-	-	-
	Phosphorus (Total)	mg/L	Every 3 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
	Reactive Phosphorus	mg/L	Every 3 Months	0	-	-	-	-	-	-
	Total Suspended Solids	mg/L	Every 3 Months	0	-	-	-	-	-	-
	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	-	-	-	-	-	-
	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	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	-	-	-	-	-	-
19	рН	рН	Every 6 Months	0	ı	-	-	-	-	-
	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	-	-	-	-	-	-
20	Nitrate	mg/L	Every 6 Months	0	-	-	-	-	-	-
20	Nitrogen (Total)	mg/L	Every 6 Months	0	-	-	-	-	-	-
	рН	рН	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
	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	Every 6 Months	0	-	-	1	-	-	-
	Conductivity	μS/cm	Every 6 Months	0	-	-	1	-	-	-
	Nitrate	mg/L	Every 6 Months	0	-	-	1	-	-	-
	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	Measure	ed levels –	Limit(s)	Weather	Observations	(Potential)	Date
		Period		di LA1, 1 Minute	3(A) LAeq, 15 Minute		(inversion oC/100m, wind m/s & °)		Non- compliance /breach	Obtained
R24	23 and 24/10/2019	60 minutes	10:49 am	N/A	38	Day 37	3.3m/s, 325 degrees	Traffic (38), birds & insects (25), WCC (<20)	No	30/10/2019
R12	23 and 24/10/2019	60 minutes	11:55 am	N/A	40	Day 38	2.6m/s, 273 degrees	Traffic (40), WCC (<20)	No	30/10/2019
R96	23 and 24/10/2019	60 minutes	1:10 pm	N/A	36	Day 38	1.4m/s, 229 degrees	Traffic (35), birds & insects (31), WCC (<20)	No	30/10/2019
R98	23 and 24/10/2019	60 minutes	2:04 pm	N/A	33	Day 36	1.9m/s, 271 degrees	Birds & insects (32), traffic (27), WCC (<20)	No	30/10/2019
R57	23 and 24/10/2019	60 minutes	3:30 pm	N/A	48	Day 35	2.4m/s, 214 degrees	Traffic (46), birds & insects (42), WCC (<20)	No	30/10/2019
R24	23 and 24/10/2019	60 minutes	6:25 pm	<20	49	Night 37	Lapse, 1.8m/s, 273 degrees	Traffic (48), birds & insects (38), WCC (<20)	No	30/10/2019
R12	23 and 24/10/2019	60 minutes	7:30 pm	<20	44	Night 38	2.5°/100m, 1.6m/s, 282 degrees	Traffic (42), insects (40), WCC (<20)	No	30/10/2019
R96	23 and 24/10/2019	60 minutes	8:35 pm	32	41	Night 38	3.4°/100m, 1.8m/s, 317 degrees	Insects (41), traffic (28), WCC (25)	No	30/10/2019
R98	23 and 24/10/2019	60 minutes	9:45 pm	37	36	Night 38	3.6°/100m, 0.8m/s, 72 degrees	Insects (34), traffic (33), WCC (30)	No	30/10/2019
R57	23 and 24/10/2019	60 minutes	11:21 pm	<20	34	Night 35	6.1°/100m, 1.8m/s, 24 degrees	Traffic (31), birds & insects (31), WCC (<20)	No	30/10/2019

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	13	101.3	110.0	120.0	No	1/11/2019
	Blast Vibration	mm/s	Every Blast	13	0.10	0.25	10.0	No	1/11/2019
R98	Blast Noise	dB (Lin Peak)	Every Blast	13	102.2	110.3	120.0	No	1/11/2019
	Blast Vibration	mm/s	Every Blast	13	0.65	1.09	10.0	No	1/11/2019
R62	Blast Noise	dB (Lin Peak)	Every Blast	13	101.8	110.4	120.0	No	1/11/2019
	Blast Vibration	mm/s	Every Blast	13	0.40	0.62	10.0	No	1/11/2019
R92	Blast Noise	dB (Lin Peak)	Every Blast	13	103.6	110.3	120.0	No	1/11/2019
	Blast Vibration	mm/s	Every Blast	13	0.25	0.55	10.0	No	1/11/2019



