

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: December 2018

Obtained Date: 12/2/2019
Publication Date: 12/2/2019

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/m³	Every 6 days	6	27/12/2018	10/1/2019	16.6	27.4	23.0	48.9
20	Solid Particles	g/m²/month	Continuous	1	19/12/2018	2/1/2019	3.0	3.0	3.0	3.0
29	PM10	μg/m³	Every 6 days	6	27/12/2018	10/1/2019	23.2	35.2	34.0	49.5
29	Solid Particles	g/m²/month	Continuous	1	19/12/2018	2/1/2019	2.9	2.9	2.9	2.9
30	PM10	μg/m³	Continuous	Continuous	31/12/2018	1/1/2019	9.2	20.9	19.2	64.5
30	Solid Particles	g/m²/month	Continuous	1	19/12/2018	2/1/2019	3.2	3.2	3.2	3.2
	Conductivity	μS/cm	Special Frequency 1	0	-		-	-	-	-
	Nitrate	mg/L	Special Frequency 1	0	-	-	-	-	-	-
10	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	-	-	-	-	-	-
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	-	-	-	-	-	-
1.4	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	-	-
	Conductivity	μS/cm	Special Frequency 1	0	-	-	-	1	-	-
	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	-	-	-	-	-	-
	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	-	-	-	ı	-	-
23	рН	рН	Special Frequency 2	0	-	-	-	1	-	-
	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	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	-	-	-	-	-	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	-	-	-	-	-	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	-	-	-	-	ı	-
	Vanadium (dissolved)	mg/L	Special Frequency 3	0	-	-	-	-	-	-
	Zinc (dissolved)	mg/L	Special Frequency 3	0	-	-	-	-	-	-

^{*}Dust gauge sample contaminated with glass. Broken funnel noted on field sheet.

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	-	-	-	-	10	No
	рН	рН	Special Frequency 1	0	-	-	-	-	6.5-8.5	No
	Total Suspended Solids	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
	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	2	5/12/2018 27/12/2018	15/1/2019	1170	1180	2000	No
33*	Oil and Grease	mg/L	Special Frequency 3	0	-	-	-	-	10	No
	рН	рН	Special Frequency 4	2	5/12/2018 27/12/2018	15/1/2019	8.5	8.9	9	No
34	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	-	-	-	-	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	-	-	-	-	-	1
	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	pН	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	-	-	-	-	-	-
	Conductivity	μS/cm	Every 3 Months	0	-	-	-	-	-	-
	Nitrate	mg/L	Every 3 Months	0	-	-	-	-	-	-
27	Nitrogen (Total)	mg/L	Every 3 Months	0	-	-	-	-	-	-
	Oil and Grease	mg/L	Every 3 Months	0	-	-	-	-	-	-
	рН	рН	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
	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	-	-	-	-	-	-
	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	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	-	-	-	-	-	-
19	pH	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	-	-	-	-	-	-
20	Nitrate	mg/L	Every 6 Months	0	-	-	-	-	-	-
	Nitrogen (Total)	mg/L	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
	рН	рН	Every 6 Months	0	-	-	-	-	-	-
	Phosphorus (Total)	mg/L	Every 6 Months	0	-	-	-	-	-	-
	Reactive Phosphorus	mg/L	Every 6 Months	0	-	-	1	-	-	-
	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	-	-	-	-	-	-
	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		LA1, 1 Minute	B(A) LAeq, 15 Minute		(inversion oC/100m, wind m/s & °)		Non- compliance /breach	Obtained
R24	18 and 19/12/2018	60 minutes	2:35 pm	N/A	43	Day 37	NA, 5.6m/s, 141 degrees	Traffic (42), birds (34), WCC inaudible (<20)	No	12/2/2019
R12	18 and 19/12/2018	60 minutes	7:12 am	N/A	61	Day 38	NA, 1.6m/s, 174 degrees	Trains (61), traffic (41), WCC inaudible (<20)	No	12/2/2019
R96	18 and 19/12/2018	60 minutes	1:32 pm	N/A	36	Day 38	NA, 2.0m/s, 11 degrees	Insects (32), traffic (30), birds (28), WCC inaudible (<20)	No	12/2/2019
R98	18 and 19/12/2018	60 minutes	2:24 pm	N/A	45	Day 36	NA, 5.6m/s, 141 degrees	Birds (40), wind (39), truck (38), WCC inaudible (<20)	No	12/2/2019
R57	18 and 19/12/2018	60 minutes	7:23 am	N/A	50	Day 35	NA, 1.7m/s, 170 degrees	Trains (47), traffic (46), WCC inaudible (<20)	No	12/2/2019
R24	18/12/2018	60 minutes	8:39 pm	<30	48	Night 37	0.4°/100m, 2.4m/s, 163 degrees.	Trains (46), traffic (41), WCC inaudible (<20)	No	12/2/2019
R12	18/12/2018	60 minutes	9:31 pm	<30	58	Night 38	2.0°/100m, 2.7m/s, 152 degrees.	Trains (56), crickets (51), WCC inaudible (<20)	No	12/2/2019
R96	18/12/2018	60 minutes	7:02 pm	<30	38	Night 38	Lapse, 3.3m/s, 139 degrees	Birds (37), plane (28), WCC inaudible (<20)	No	12/2/2019
R98	18/12/2018	60 minutes	8:09 pm	<30	46	Night 38	1.1°/100m, 2.5m/s, 152 degrees.	Birds/insects (45), plane (36), WCC inaudible (<20)	No	12/2/2019
R57	18/12/2018	60 minutes	10:18 pm	<30	40	Night 35	0.1°/100m, 1.8m/s, 187 degrees.	Traffic (35), train (34), insects (33), WCC inaudible (<20)	No	12/2/2019

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	8	97.64	110.1	120.0	No	1/1/2019
	Blast Vibration	mm/s	Every Blast	8	0.11	0.16	10.0	No	1/1/2019
R98	Blast Noise	dB (Lin Peak)	Every Blast	8	94.01	104.8	120.0	No	1/1/2019
	Blast Vibration	mm/s	Every Blast	8	0.68	1.41	10.0	No	1/1/2019
R62	Blast Noise	dB (Lin Peak)	Every Blast	8	96.81	105.7	120.0	No	1/1/2019
	Blast Vibration	mm/s	Every Blast	8	0.35	0.58	10.0	No	1/1/2019
R92	Blast Noise	dB (Lin Peak)	Every Blast	8	92.94	102.4	120.0	No	1/1/2019
	Blast Vibration	mm/s	Every Blast	8	0.19	0.29	10.0	No	1/1/2019

