

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: May 2019 Obtained Date: 19th June 2019 Publication Date: 4th July 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
20	PM10	μg/m³	Every 6 days	5	26/5/2019	6/6/2019	4.9	8.7	7.3	14.0
28	Solid Particles	g/m²/month	Continuous	1	20/5/2019	28/5/2019	0.5	0.5	0.5	0.5
29	PM10	μg/m³	Every 6 days	5	26/5/2019	6/6/2019	15.6	19.7	21.2	22.7
29	Solid Particles	g/m²/month	Continuous	1	20/5/2019	28/5/2019	0.8	0.8	0.8	0.8
30	PM10	μg/m³	Continuous	Continuous	31/5/2019	1/9/2019	3.8	11.2	10.9	28.1
30	Solid Particles	g/m²/month	Continuous	1	20/5/2019	28/5/2019	0.4	0.4	0.4	0.4
	Conductivity	μS/cm	Special Frequency 1	0	-	-	-	-	-	-
	Nitrate	mg/L	Special Frequency 1	0	1	ı	•	-	-	-
10	Nitrogen (Total)	mg/L	Special Frequency 1	0	ı	ı	1	-	•	-
	Phosphorus (Total)	mg/L	Special Frequency 1	0	ı	ı	1	-	•	-
	Reactive Phosphorus	mg/L	Special Frequency 1	0	ı	ı	1	-	•	-
	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	-	-	-	-	-	-
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	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	-	-	-	-	-	-
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	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	-	-	-	1	-	-
	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	-	-	-	-	-	-
	Total Suspended Solids	mg/L	Special Frequency 2	0	-	-	-	ı	-	-
	Conductivity	μS/cm	Special Frequency 2	0	-	-	-	-	-	-
	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	-	ı	-	1	-	-
26	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	-	1	-	1	-	-
	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	-	-	-	1	-	-
33*	Barium (dissolved)	mg/L	Special Frequency 3	0	-	-	-	-	-	-
33	Beryllium (dissolved)	mg/L	Special Frequency 3	0	-	-	-	1	-	-
	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	-	1	-	-	-	1
	Magnesium	mg/L	Special Frequency 3	0	-	ı	-	-	-	1
	Manganese (dissolved)	mg/L	Special Frequency 3	0	1	-	-	-	-	ı
	Nickel (dissolved)	mg/L	Special Frequency 3	0	-	ı	-	-	-	ı
	Potassium	mg/L	Special Frequency 3	0	-	ı	-	-	-	ı
	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	-	-	-	-	-	-
	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	-	-	-	-	-	-
34	Cadmium (dissolved)	mg/L	Special Frequency 3	0	-	-	-	-	-	-
34	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	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
	(dissolved)									
	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	-	-	-	-	-	-
	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	-	-	-	-	-	-
35	Copper (dissolved)	mg/L	Special Frequency 3	0	-	-	-	-	-	-
33	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	-	1	-	-	-	-
	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	-	-	-	-	-	-

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
	Vanadium (dissolved)	mg/L	Special Frequency 3	0	-	ı	-	-	ı	-
	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	ı	-	-	-	50*	No
12	Oil and Grease	mg/L	Special Frequency 1	0	-	-	-	-	10	No
	рН	рН	Special Frequency 1	0	ı	-	-	-	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	ı	-	-	-	6.5-8.5	No
	Electrical Conductivity	mg/L	Special Frequency 4	1	3/5/2019	4/6/2019	1250	1250	2000	No
33*	Oil and Grease	mg/L	Special Frequency 3	0	-	-	-	-	10	No
	рН	рН	Special Frequency 4	1	3/5/2019	4/6/2019	8.2	8.2	9	No
	Electrical Conductivity	mg/L	Special Frequency 4	0	-	-	-	-	2000	No
34	Oil and Grease	mg/L	Special Frequency 3	0	-	-	-	-	10	No
	рН	рН	Special Frequency 4	0	-	-	-	-	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	-	-	-	-	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	14/5/2019	22/5/2019	1150	1150	1150	1150
	Nitrate	mg/L	Every 3 Months	1	14/5/2019	22/5/2019	< 0.01	<0.01	<0.01	<0.01
	Nitrogen (Total)	mg/L	Every 3 Months	1	14/5/2019	22/5/2019	0.4	0.4	0.4	0.4
	Oil and Grease	mg/L	Every 3 Months	1	14/5/2019	22/5/2019	3	3	3	3
16	рН	рН	Every 3 Months	1	14/5/2019	22/5/2019	8.01	8.01	8.01	8.01
	Phosphorus (Total)	mg/L	Every 3 Months	1	14/5/2019	22/5/2019	0.4	0.4	0.4	0.4
	Reactive Phosphorus	mg/L	Every 3 Months	1	14/5/2019	22/5/2019	< 0.01	<0.01	<0.01	<0.01
	Total Suspended Solids	mg/L	Every 3 Months	1	14/5/2019	22/5/2019	6	6	6	6
	Conductivity	μS/cm	Every 3 Months	1	14/5/2019	22/5/2019	1080	1080	1080	1080
	Nitrate	mg/L	Every 3 Months	1	14/5/2019	22/5/2019	<0.01	<0.01	<0.01	<0.01
	Nitrogen (Total)	mg/L	Every 3 Months	1	14/5/2019	22/5/2019	<0.1	<0.1	<0.1	<0.1
27	Oil and Grease	mg/L	Every 3 Months	1	14/5/2019	22/5/2019	1	1	1	1
21	рН	рН	Every 3 Months	1	14/5/2019	22/5/2019	8.0	8.0	8.0	8.0
	Phosphorus (Total)	mg/L	Every 3 Months	1	14/5/2019	22/5/2019	0.1	0.1	0.1	0.1
	Reactive Phosphorus	mg/L	Every 3 Months	1	14/5/2019	22/5/2019	<0.01	<0.01	<0.01	<0.01
	Total Suspended	mg/L	Every 3 Months	1	14/5/2019	22/5/2019	8	8	8	8

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
	Solids									
	Conductivity	μS/cm	Every 6 Months	0	-	-	-	-	-	-
	Nitrate	mg/L	Every 6 Months	0	-	-	-	-	-	-
	Nitrogen (Total)	mg/L	Every 6 Months	0	-	-	1	-	-	-
17	рН	рН	Every 6 Months	0	-	-	1	-	-	-
	Phosphorus (Total)	mg/L	Every 6 Months	0	-	-	-	-	-	-
	Reactive Phosphorus	mg/L	Every 6 Months	0	-	-	-	-	-	-
	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	-	-	1	-	-	-
18	рН	рН	Every 6 Months	0	-	-	1	-	-	-
	Phosphorus (Total)	mg/L	Every 6 Months	0	-	-	1	-	-	-
	Reactive Phosphorus	mg/L	Every 6 Months	0	-	-	ı	-	-	-
	Standing Water Level	Metres	Every 6 Months	0	-	-	1	-	-	-
	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	-	-	1	-	-	-
	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	-	-	-	-	-	-
20	Nitrogen (Total)	mg/L	Every 6 Months	0	-	-	1	-	-	-
20	рН	рН	Every 6 Months	0	-	-	-	-	-	-
	Phosphorus (Total)	mg/L	Every 6 Months	0	-	-	-	-	-	-
	Reactive Phosphorus	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
	Standing Water Level	Metres	Every 6 Months	0	-	-	-	-	-	-
	Conductivity	μS/cm	Every 6 Months	0	-	-	1	-	-	-
	Nitrate	mg/L	Every 6 Months	0	-	-	1	-	-	-
	Nitrogen (Total)	mg/L	Every 6 Months	0	-	-	1	-	-	-
21	рН	рН	Every 6 Months	0	-	-	-	-	-	-
	Phosphorus (Total)	mg/L	Every 6 Months	0	-	-	1	-	-	-
	Reactive Phosphorus	mg/L	Every 6 Months	0	-	-	1	-	-	-
	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	-	-	1	-	-	-
22	рН	рН	Every 6 Months	0	-	-	1	-	-	-
	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	Measur	ed levels –	Limit(s)	Weather	Observations	(Potential)	Date
		Period		dl	B(A)		(inversion		Non-	Obtained
				LA1, 1 Minute	LAeq, 15 Minute		oC/100m, wind m/s & °)		compliance /breach	
R24	21 and 22/5/2019	60 minutes	11:01 am	N/A	44	Day 37	Na, 0.7m/s, 273 degrees	Cars (44), birds (33), WCC (<20)	No	19/6/2019
R12	21 and 22/5/2019	60 minutes	10:08 am	N/A	41	Day 38	NA, 0.9m/s, 167 degrees	Traffic (38), birds (37), WCC (25)	No	19/6/2019
R96	21 and 22/5/2019	60 minutes	12:11 pm	N/A	42	Day 38	NA, 1.6m/s, 279 degrees	Birds (41), wind (30), plane (23), WCC (<20)	No	19/6/2019
R98	21 and 22/5/2019	60 minutes	1:08 pm	N/A	33	Day 36	NA, 0.9m/s, 229 degrees	Birds (32), wind (22), WCC (<20)	No	19/6/2019
R57	21 and 22/5/2019	60 minutes	8:05 am	N/A	51	Day 35	NA, 0.1 m/s, 160 degrees	Traffic (49), insects (45), plane (35), WCC (<20)	No	19/6/2019
R24	21 and 22/5/2019	60 minutes	9:28 pm	25	37	Night 37	+8.0 °/100m, 0.5m/s, 286 degrees	Traffic (35), horse (25), WCC (23)	No	19/6/2019
R12	21 and 22/5/2019	60 minutes	8:38 pm	<20	38	Night 38	+6.3 °/100m, 0.6m/s, 161 degrees	Traffic (38), WCC (<20)	No	19/6/2019
R96	21 and 22/5/2019	60 minutes	7:01 pm	<20	24	Night 38	+6.3 °/100m, 1.0m/s, 22 degrees	Traffic (21), birds (20), WCC (<20)	No	19/6/2019
R98	21 and 22/5/2019	60 minutes	8:08 pm	<20	21	Night 38	+5.6 °/100m, 1.4m/s, 298 degrees	Traffic (20), WCC (<20)	No	19/6/2019
R57	21 and 22/5/2019	60 minutes	7:01 pm	30	40	Night 35	+8.1 °/100m, 0.9m/s, 146 degrees	Traffic (37), insects (33), WCC (27)	No	19/6/2019

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	14	0.12	0.23	120.0	No	1/6/2019
	Blast Vibration	mm/s	Every Blast	14	99.7	105.7	10.0	No	1/6/2019
R98	Blast Noise	dB (Lin Peak)	Every Blast	14	0.63	1.39	120.0	No	1/6/2019
	Blast Vibration	mm/s	Every Blast	14	100.5	106.4	10.0	No	1/6/2019
R62	Blast Noise	dB (Lin Peak)	Every Blast	14	0.34	0.88	120.0	No	1/6/2019
	Blast Vibration	mm/s	Every Blast	14	101.3	113.1	10.0	No	1/6/2019
R92	Blast Noise	dB (Lin Peak)	Every Blast	14	0.24	0.46	120.0	No	1/6/2019
	Blast Vibration	mm/s	Every Blast	14	99.3	111.9	10.0	No	1/6/2019



