



ENVIRONMENTAL MONITORING DATA

2019

EPL	3393
Licensee Name	Pacific Blue Metal Pty Ltd
Facility Address	113 Possum Brush Road POSSUM BRUSH NSW 2430

BLAST		
Monitored when blasting at R1 and R2		
Parameter	Limit R1	Limit R2
Airblast Overpressure	120dB at any time & 115dB for no more than 5% of blasts	
Peak Particle Velocity	10mm/s at any time & 5mm/s for no more than 5% of blasts	

Month	Date Sampled	Date Obtained	Date Published	R1	R2	Comments
January	-	-	-	-	-	-
February	-	-	-	-	-	-
March	-	-	-	-	-	-
April	11/04/19	11/04/19	19/04/19	105.0 dB 0.59mm/s	Nil trigger Nil trigger	-
May						
June						
July						
August						
September						
October						
November						
December						

Resident Locations	R1 – Due S of Quarry R2 – NNE of Quarry R3 – ENE of Quarry R4 – Due E of Quarry
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DUST Monitored Monthly at R1 and R2		
Parameter	Limit R1 g/m²/month	Limit R2 g/m²/month
Deposited dust	4	4

Month	Date Sampled	Date Obtained	Date Published	R1 mg/m²/month	R2 mg/m²/month	Comments
January	01/02/19	12/02/19	19/04/19	1.1	0.3	Insoluble material is almost all ash content (soil dust) attributable to dust storms. 100% and 66% ash.
February	04/03/19	18/03/19	19/04/19	2.0	3.3	Insoluble material is almost all ash content (soil dust) attributable to dust storms. 80% and 85% ash.
March	04/04/19	12/04/19	19/04/19	1.0	1.7	-
April						
May						
June						
July						
August						
September						
October						
November						
December						

Resident Locations	R1 – Due S of Quarry R2 – NNE of Quarry R3 – ENE of Quarry R4 – Due E of Quarry
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WATER Monitored on overflow at Dam 3

Parameter	Limit
pH	6.5 – 8.5
Total Suspended Solids (mg/L)	50
Oil and Grease	None visible

Month	Date Sampled	Date Obtained	Date Published	pH	TSS	Oil & Grease	
January	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-
March	-	-	-	-	-	-	-
April							
May							
June							
July							
August							
September							
October							
November							
December							

Resident Locations	R1 – Due S of Quarry R2 – NNE of Quarry R3 – ENE of Quarry R4 – Due E of Quarry
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NOISE		Monitored Quarterly at R1, R2 and R3		
Parameter		Limit R1	Limit R2	Limit R3
Day	LA _{eq(15min)} (dBA)	39	38	37
Evening	LA _{eq(15min)} (dBA)	39	38	37
Night	LA _{eq(15min)} (dBA)	39	38	37
Night	LA _{max} (dBA)	45	45	45

The above noise criteria apply under all meteorological conditions except the following:

- Wind speeds greater than 3 metres/second at 10 meters above ground level; or
- Stability category F temperature inversion conditions and wind speeds greater than 2 metres/second at 10 meters above ground level; or
- Stability category G temperature inversion conditions.

Sampling Period	Date Sampled	Date Obtained	Date Published	Parameter	R1	R2	R3	Comments
1st Quarter (Jan-Mar)	4/4/19							DPE approval granted to monitor 4/4/19 to coincide with night works
2nd Quarter (Apr-Jun)								

Resident Locations	R1 – Due S of Quarry R2 – NNE of Quarry R3 – ENE of Quarry R4 – Due E of Quarry
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Sampling Period	Date Sampled	Date Obtained	Date Published	Parameter	R1	R2	R3	Comments
3 rd Quarter (Jul-Sep)								
4 th Quarter (Oct-Dec)								

Resident Locations	R1 – Due S of Quarry R2 – NNE of Quarry R3 – ENE of Quarry R4 – Due E of Quarry
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NOISE		Monitored Biennially at R4 To determine the noise level of Quarry trucks travelling along Possum Brush Road during night time operations.
Parameter	Limit R4	
Night LA _{eq(1hour)} (dBA)	50	

Sampling Period	Date Sampled	Date Obtained	Date Published	R4 Night LA _{eq(1hour)} (dBA)	Comments
Biennial 2016-2017	18/07/17	31/07/17	28/09/17	43	Monitoring required mid 2019.

Resident Locations	R1 – Due S of Quarry R2 – NNE of Quarry R3 – ENE of Quarry R4 – Due E of Quarry
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