ENVIRONMENTAL MONITORING DATA 2025

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	11/02/25	26/02/25	31/03/25	100.8dB, 1.56mm/s	Nil Trigger	-
March	18/03/25	25/03/25	31/03/25	95.7dB, 1.72mm/s	Nil Trigger	-
April	16/04/25	28/04/25	30/06/25	104.1dB, 1.28mm/s	107.3dB, 0.99mm/s	-
May	-	-	-	-	-	-
June	03/06/25	06/06/25	30/06/25	100.3dB, 1.63mm/s	Nil Trigger	-
July	04/07/25	08/07/25	30/09/25	92.8dB, 1.29mm/s	100.7dB, 0.45mm/s	-
August	08/08/25	18/08/25	30/09/25	105.6dB, 0.67mm/a	Nil Trigger	-
	29/08/25	03/09/25	30/09/25	99.9dB, 0.64mm/s	98.0dB, 0.63mm/s	-
September	09/09/25	16/09/25	30/09/25	103.0dB, 3.83mm/s	99.9dB, 0.43mm/s	-
	23/09/25	30/09/25	30/09/25	100.3dB, 1.45mm/s	109.7dB, 1.09mm/s	-
October	27/10/25	28/10/25	31/12/25	105.3dB, 2.82mm/s	Nil Trigger	-
November	-	-	-	-	-	-
December	4/12/25	5/12/25	31/12/25	101.5dB, 2.07mm/s	105.6dB, 0.66mm/s	-

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 Solid/s (mg/L)	50
Oil and Grease (mg/L)	10mg/L or non-visible

Month	Date Sampled	Date Obtained	Date Published	pH	TSS	Oil & Grease	
January	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-
March	-	-	-	-	-	-	-
April	-	-	-	-	-	-	-
May	26/05/25	03/06/25	30/06/25	7.6	20	Nil	Large flood event
June	-	-	-	-	-	-	-
July	-	-	-	-	-	-	-
August	04/08/25	12/08/25	30/09/25	7.6	21	Nil	-
September	-	-	-	-	-	-	-
October	-	-	-	-	-	-	-
November	-	-	-	-	-	-	-
December	-	-	-	-	-	-	-

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

ENVIRONMENTAL MONITORING DATA 2025

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NOISE — Monitored Annually at R1, R2 & 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.

Month	Date Sampled	Date Obtained	Date Published	Parameter		R1	R2	R3	Comments
WINTER 2025	12/09/25	13/10/25	31/12/25	Day	LAeq(15min) (dBA)	Inaudible	31	Inaudible	
	10/09/25	13/10/25	31/12/25	Evening	LAeq(15min) (dBA)	Inaudible	32	Inaudible	
	10/09/25	13/10/25	31/12/25	Night	LAeq(15min) (dBA)	Inaudible	35	Inaudible	

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

ENVIRONMENTAL MONITORING DATA 2025

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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 R3**
Night $LA_{eq(1hour)}$ (dBA)	50

Sampling Period	Date Sampled	Date Obtained	Date Published	R3 Night $LA_{eq(1hour)}$ (dBA)	Comments
Biennial 2016-2017	18/07/17	31/07/17	28/09/17	43	-
Biennial 2018-2019	24/09/19	19/10/19	17/12/19	45	-
Biennial 2020-2021	08/07/20	15/07/20	30/09/20	43	-
Biennial 2022-2023	25/08/22	28/09/22	30/09/22	46	-
	12/11/23	03/11/23	31/12/23	41	-
Biennial 2024-2025	21/10/24	25/11/24	31/12/24	45	-
Biennial 2025-2026	10/09/25	13/10/25	31/12/25	Inaudible	-

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 on request.

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
N/A						No Sampling Required

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