



CURRABUBULA QUARRY

Blast Monitoring Data



Licensee	Boral Resources (Country) Pty Ltd
Facility Address	Werris Creek Road, Currabubula NSW 2342
Premises Details	Boral - Currabubula Quarry
EPL No	5846
Link to Public Register	https://isep.epa.nsw.gov.au/prpocaps/ViewPEOLlicence.aspx?DOCID=202346&SYSUID=1&LICID=5846
Date of dataset update	6/09/2023

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This monitoring report is to satisfy the requirements of Section 66 (6) of the Protection of the Environment and Operations Act 1997, to make available, within 14 days of obtaining any monitoring data that relates to pollution under an Environment Protection Licence

The monitoring of pollutants provided in this report is undertaken as per the requirements of Environment Protection Licence 5846 (EPL 5846 – Boral Currabubula Quarry)

Qualifications Related to Blasting

LS Blasting

LS.1 The overpressure level from blasting operations at the premises must not exceed 120dB (Lin Peak) at any time and at any point within 30 metres of any non project related residential building or other noise sensitive location. Error margins associated with any monitoring equipment used to measure this are not to be taken into account in determining whether or not the limit has been exceeded.

LS.2 The overpressure level from blasting operations at the premises must not exceed 115dB (Lin Peak) for more than five per cent of the total number of blasts over each reporting period, or one blast in each reporting period, whichever is greater at any time and at any point within 30 metres of any non-project related residential building or other noise sensitive location. Error margins associated with any monitoring equipment used to measure this are not to be taken into account in determining whether or not the limit has been exceeded.

LS.3 Ground vibration peak particle velocity from the blasting operations at the premises must not exceed 10mm/sec at any time and at any point within 3.5 metres of any non project related residential building or other noise sensitive location. Error margins associated with any monitoring equipment used to measure this are not to be taken into account in determining whether or not the limit has been exceeded.

LS.4 Ground vibration peak particle velocity from the blasting operations at the premises must not exceed 5mm/sec for more than five per cent of the total number of blasts over each reporting period, or one blast in each reporting period, whichever is greater at any point within 3.5 metres of any non project related residential building or other noise sensitive location. Error margins associated with any monitoring equipment used to me

At most affected residence or noise sensitive location that is not owned by the licensee or subject to a private agreement between the owner of the residence or noise sensitive location and the licensee as to an alternative overpressure level.

NOTE: Where no data has been published for a particular date there has been no blasting activity undertaken for that date^{3,7,8}

Currabubula Quarry: EPL 5846 - Blast Monitoring Results											
EPL Identification (Shot Number)	Monitoring Frequency	Date Sampled	Date Results Obtained	Date Results Published	Blast Results		Trigger Level (dB)		Most affected residence	Sample Compliant (YES/NO)	Comments
					Over pressure (dB)	Peak Vibration (mm/s)	Over pressure (dB)	Peak Vibration (mm/s)			
					115	5					
					120	10					
CQ-2303	Per Blast	12/07/2023	13/07/2023	4/09/2023	101.9	1.334			Location A	YES	
CQ-2302	Per Blast	04/04/2023	11/04/2023	1/05/2023	100.9	0.65			Location A	YES	
CQ-2301	Per Blast	07/02/2023	10/03/2023	24/02/2023	99.12	0.73			Location A	YES	
CQ-2205	Per Blast	07/12/2022	10/12/2022	15/12/2022	100	0.5			Location A	YES	No Trigger
CQ-2204	Per Blast	11/10/2022	15/10/2022	20/10/2022	113.1	0.31			Location A	YES	
CQ-2203	Per Blast	10/10/2022	15/10/2022	20/10/2022	103.6	1.36			Location A	YES	
CQ-2202	Per Blast	23/08/2022	25/08/2022	30/08/2022	104.6	0.61			Location A	YES	
CQ-2104	Per Blast	26/05/2021	27/05/2021	10/06/2021	101.7	1.196			Location A	YES	
CQ-2103	Per Blast	06/04/2021	7/04/2021	13/04/2021	103.1	0.215			Location A	YES	
CQ-2102	Per Blast	08/03/2021	16/03/2021	16/03/2021	No Trigger	No Trigger	100	0.5	Location A	YES	
CQ-2101	Per Blast	08/03/2021	16/03/2021	16/03/2021	No Trigger	No Trigger	100	0.5	Location A	YES	
CQ-2005	Per Blast	21/12/2020	21/12/2020	15/02/2021	No Trigger	No Trigger	100	0.5	Location A	YES	
CQ-2004	Per Blast	13/10/2020	13/10/2020	1/11/2020	No Trigger	No Trigger	100	0.5	Location A	YES	
CQ-2003	Per Blast	12/08/2020	12/08/2020	1/10/2020	104.2	0.22			Location A	YES	
CQ-2002	Per Blast	7/07/2020	7/07/2020	1/09/2020	99.28	0.78			Location A	YES	
CQ-2001	Per Blast	4/03/2020	4/03/2020	15/04/2020	98.76	1.08			Location A	YES	
CQ-1904	Per Blast	10/12/2019	10/12/2019	15/01/2020	No Trigger	No Trigger	100	0.5	Location A	YES	
CQ-1903	Per Blast	17/09/2019	17/09/2019	17/10/2019	97.52	0.91			Location A	YES	
CQ-1902	Per Blast	1/04/2019	1/04/2019	14/05/2019	No Trigger	No Trigger	100	0.5	Location A	YES	
CQ-1901	Per Blast	15/02/2019	15/02/2019	17/03/2019	No Trigger	No Trigger	100	0.5	Location A	YES	

