



MACKSVILLE QUARRY

Blast Monitoring Data



Facility Address	Pacific Highway, Macksville, NSW, 2447
Premises Details	Boral - Macksville Quarry
EPL No	20555
Link to Public Register	https://www.epa.nsw.gov.au/epo/ceaq/ViewEPLDetails.aspx?EPLID=44304&SYSUID=1&EPLID=20555
Date of dataset update	24/06/2022

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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 20555 (EPL 20555 – Boral Macksville Quarry)

Qualifications Related to Blasting

L5.2 The airblast overpressure level from blasting operations in or on the premises must not exceed:

- a) 115 dB (in Peak) for more than 5% of the total number of blasts during each reporting period; and
- b) 120 dB (in Peak) at any time.

At the 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.

L5.3 The ground vibration peak particle velocity from blasting operations carried out in or on the premises must not exceed:

- a) 5 mm/s for more than 5% of the total number of blasts carried out on the premises during each reporting period; and
- b) 10 mm/s at any time.

At the 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. ¹¹¹

Macksville Quarry: EPL 20555 - Blast Monitoring Results												
EPL Identification (Shot Number)	Monitoring Frequency	Date Sampled	Blast Time	Date Results Obtained	Date Results Published	Blast Results		Trigger Level (dB)	Trigger Level (mm/s)	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					
MVQ-2022-01	Per event	17/05/2022	9:36	18/05/2022	23/06/2022	110	2.367			Location A	YES	
MVQ-2021-03	Per event	07/10/2021	14:33	8/10/2021	23/06/2022	105.1	1.592			Location A	YES	
MVQ-2021-02	Per event	20/09/2021	14:01	21/09/2021	23/06/2022	116.6	1.87			Location A	No	This blast recorded an overpressure reading of 116.6, which is above the 95% limit of 115dB but less than the max limit of 120dB. This results was reported to the EPA
MVQ-202101	Per event	14/04/2021	14:55	20/04/2021	23/06/2022	110	5.514			Location A	No	This blast recorded an ground vibration reading of 5.514, which is above the 95% limit of 5mm/s but less than the max limit of 10mm/s. This results was reported to the EPA
MVQ-201901	Per event	04/12/2019	12:17	4/12/2019	23/06/2022	117	1.87			Location A	No	This blast recorded an overpressure reading of 117, which is above the 95% limit of 115dB but less than the max limit of 120dB. This results was reported to the EPA
MVQ-201802	Per event	11/12/2018	9:07	12/12/2018	23/06/2022	115	3.311			Location A	YES	
MVQ-201801	Per event	22/02/2018	11:20	22/02/2018	23/06/2022	113.6	1.275			Location A	YES	
MVQ-201707	Per event	28/11/2017	13:52	29/11/2017		No Trigger	No Trigger	100	0.3	Location A	YES	
MVQ-201706	Per event	7/09/2017	9:10	8/09/2017		112.6	1.4			Location A	YES	
MVQ-201705	Per event	20/07/2017	9:27	21/07/2017		No Trigger	No Trigger	100	0.3	Location A	YES	
MVQ-201704	Per event	16/05/2017	11:32	17/05/2017		109.9	0.171			Location A	YES	
MVQ-201703	Per event	4/05/2017	14:30	5/05/2017		106.1	1.368	100	0.3	Location A	YES	
MVQ-201702	Per event	6/04/2017	9:49	7/04/2017		No Trigger	No Trigger	100	0.3	Location A	YES	
MVQ-201701	Per event	7/02/2017	10:08	8/02/2017		No Trigger	No Trigger	100	0.3	Location A	YES	
MVQ-201609	Per event	30/11/2016	14:05	30/11/2016		50.1	0.889			Location A	YES	
MVQ-201608	Per event	28/10/2016	9:30	29/10/2016		No Trigger	No Trigger	110	0.8	Location A	YES	
MVQ-201607	Per event	28/09/2016	10:09	29/09/2016		No Trigger	No Trigger	105	3	Location A	YES	
MVQ-201606	Per event	12/07/2016	10:26	13/07/2017		109.9	0.254			Location A	YES	
MVQ-201605	Per event	12/05/2016	10:15	13/05/2016		No Trigger	No Trigger	110	2.0	Location A	YES	
MVQ-201604	Per event	12/05/2016	10:15	13/05/2016		No Trigger	No Trigger	110	2	Location A	YES	
MVQ-201603	Per event	27/04/2016	12:49	28/04/2016		97.5	1.74			Location A	YES	
MVQ-201602	Per event	15/03/2016	11:47	16/03/2016		112.3	1.78			Location A	YES	
MVQ-201601	Per event	15/03/2016	11:47	16/03/2016		112.3	1.8			Location A	YES	

