

Environmental Monitoring Report – Blast Monitoring Data

Johns River Quarry

September 2023

Date Published: 6 September 2023



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 4812 (EPL 4812 – Boral Johns River Quarry)

Johns River Quarry Information	
Premise Details	Boral – Johns River Quarry
Address	Bulleys Road, Johns River NSW 2443
Licensee	Boral Resources (Country) Pty Ltd
EPL No	4812
EPL Location	https://app.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=129026&SYSUID=1&LICID=4812
Date of dataset update	6/09/2023

Monitoring data in this report relates to the monitoring undertaken in the reporting period for the following environmental pollutants:

- Blasting

Blasting

Blast monitoring is conducted as per condition M7.1 of EPL 4812.

Qualifications related to blasting: Extracted from EPL: 4812

* L5.1 Blasting operations at the premises only take place between 9:00am and 3:00 pm Monday to Friday and 9:00am and 1:30 pm Saturday. Where compelling safety reasons exist, the Environment Protection Authority May permit a blast to occur outside the abovementioned hours. Prior written notification of any such blast must be made to the Environment Protection Authority at hunter.region@epa.nsw.gov.au.

* L5.3 The overpressure level from blasting operations carried out in or on the premises must not:
a) exceed 115 dB(L) for more than 5% of the total number of blasts carried out on the premises within the 12 months annual reporting period; and
b) exceed 120 dB(L) at any time
at any residence or noise sensitive location (such as a school or hospital) that is not owned by the licensee or subject of a private agreement between the owner of the residence or noise sensitive location and the licensee as to an alternative overpressure level.

* L5.4 The ground vibration peak particle velocity from blasting operations carried out in or on the premises must not:
a) exceed 5mm/second for more than 5% of the total number of blasts carried out on the premises within the 12 months annual reporting period; and
b) exceed 10mm/second at any time
at any residence or noise sensitive location (such as a school or hospital) that is not owned by the licensee or subject of a private agreement between the owner of the residence or noise sensitive location and the licensee as to an alternative ground vibration level.

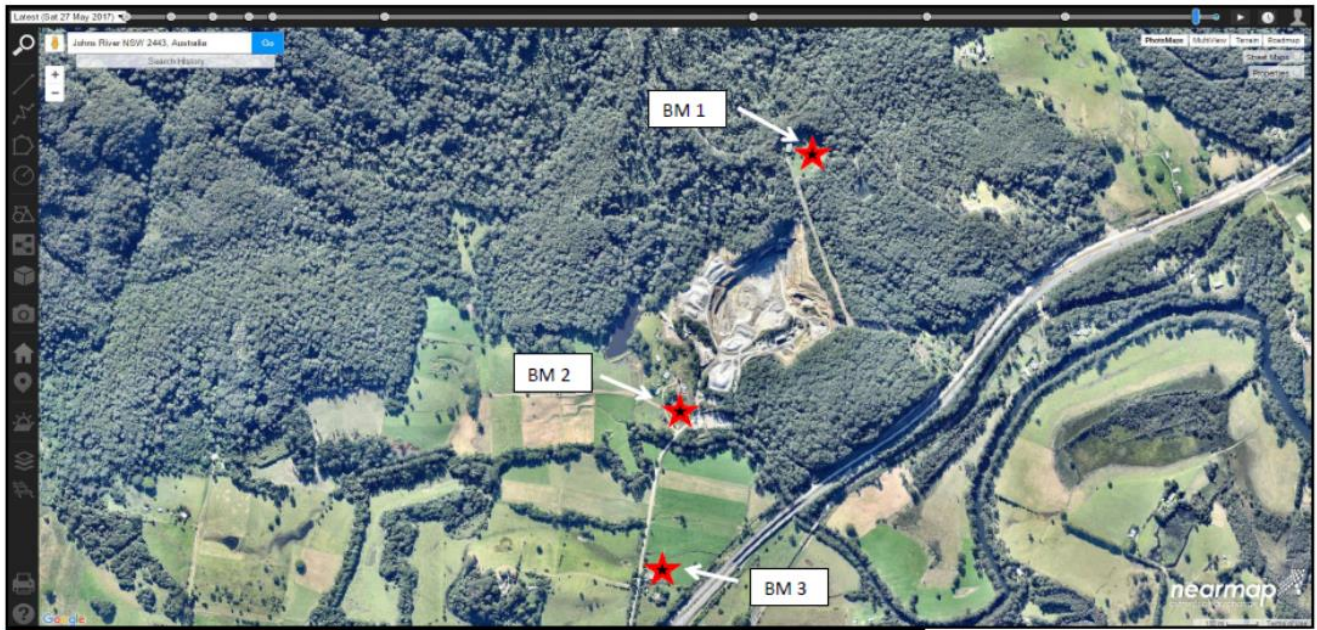
* NOTE: Where no data has been published for a particular date there has been no blasting activity undertaken for that date^{3,7,8}

Blast Monitoring Results											
EPA ID (Shot Number)	Monitoring Frequency	Date Sampled	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					
JRQ-2023-06	Per Blast	17/07/2023	18/07/2023	6/09/2023	105.0	0.19			Frost Residence	YES	
JRQ-2023-05	Per Blast	17/07/2023	18/07/2023	6/09/2023	107.5	2.90			Frost Residence	YES	
JRQ-2023-04	Per Blast	07/06/2023	08/06/2023	6/09/2023	109.2	2.93			Frost Residence	YES	
JRQ-2023-03	Per Blast	05/05/2023	10/05/2023	6/09/2023	109.5	2.81			Frost Residence	YES	
JRQ-2023-02	Per Blast	27/03/2023	28/03/2023	6/09/2023	104.2	3.11			Frost Residence	YES	
JRQ-2023-01	Per Blast	24/02/2023	24/02/2023	6/09/2023	109.2	3.97			Frost Residence	YES	
JRQ-2022-05	Per Blast	01/11/2022	01/11/2022	1/09/2023	97.17	2.9			Frost Residence	YES	
JRQ-2022-06	Per Blast	31/10/2022	31/10/2022	1/09/2023	103.5	3.5			Frost Residence	YES	
JRQ-2022-04	Per Blast	30/09/2022	30/09/2022	1/09/2023	101.6	3.9			Frost Residence	YES	
JRQ-2022-03	Per Blast	29/08/2022	29/08/2022	1/09/2023	100.9	4.13			Frost Residence	YES	
JRQ-2022-02	Per Blast	07/05/2022	07/05/2022	1/09/2023	No Trigger	No Trigger	100	0.5	Frost Residence	YES	
JRQ-2022-01	Per Blast	22/03/2022	22/03/2022	20/03/2022	104.9	10.2			Frost Residence	NO	Reported to EPA
JRQ-2021-07	Per Blast	15/12/2021	15/12/2021	24/12/2021	103.1	1.163			Frost Residence	YES	
JRQ-2021-05/06	Per Blast	05/10/2021	5/10/2021	15/10/2021	104.1	0.985			Frost Residence	YES	
JRQ-2021-02	Per Blast	29/07/2021	30/07/2021	12/08/2021	100	0.284			Frost Residence	YES	
JRQ-2021-03/04	Per Blast	14/07/2021	15/07/2021	27/07/2021	119.4	1.396			Frost Residence	NO	Reported to EPA
JRQ-2021-01	Per Blast	20/04/2021	21/04/2021	5/05/2021	107	0.2081			Frost Residence	YES	
JRQ-2020-06	Per Blast	22/01/2021	24/01/2021	10/02/2021	100.8	0.2393			Frost Residence	YES	
JRQ-2020-05	Per Blast	11/11/2020	13/11/2020	25/11/2020	112.1	0.8728			Frost Residence	YES	
JRQ-2020-04	Per Blast	5/08/2020	7/08/2020	15/08/2020	105.5	1.274			Frost Residence	YES	
JRQ-2020-03	Per Blast	5/08/2020	7/08/2020	15/08/2020	105.5	1.274			Frost Residence	YES	
JRQ-2020-02	Per Blast	3/06/2020	5/06/2020	15/06/2020	103.2	0.214			Frost Residence	YES	
JRQ-2020-01	Per Blast	14/02/2020	16/02/2020	15/02/2020	104.3	2.567			Frost Residence	YES	
JRQ-2019-04	Per Blast	14/10/2019	16/10/2019	25/10/2019	112.9	2.898			Frost Residence	YES	
JRQ-2019-03	Per Blast	12/06/2019	14/06/2019	20/06/2019	91.5	2.524			Frost Residence	YES	
JRQ-2019-02	Per Blast	30/06/2019	30/06/2019	10/07/2019	111	3.884			Frost Residence	YES	

JRQ-2019-01	Per Blast	4/02/2019	4/02/2019	18/02/2019	No Trigger	No Trigger	100	0.5	Frost Residence	YES	
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Johns River Quarry- Blast Monitoring Location



NOTE: Blast Monitor 3 (**BM3**) is the Licensed Monitoring Location under EPL 4812.

Blast Monitoring Results - Corrections Log						
Details of corrections made to published data due to incorrect or misleading data ^{3.7.7}						
Date of data (sample date)	Old published data	Correct updated data	Reason for Update/Correction	Update Person	Date corrected data published	Comments