

A photograph of a city skyline at dusk or dawn, with various skyscrapers and a body of water in the foreground. A dark teal semi-transparent box is overlaid on the left side of the image, containing the text.

Johns River Quarry

Blast Monitoring Data

Johns River Quarry – Blast Monitoring Data

Licensee	Boral Resources (Country) Pty Ltd
Facility Address	Bulleys Road, Johns River NSW 2443
Premises Details	Boral - Johns River Quarry
EPL No	4812
Link to Public Register	https://app.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=129026&SYSUID=1&LICID=4812
Date of dataset update	26/10/2021

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 – Blast Monitoring Data

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}

Johns River Quarry – Blast Monitoring Data - 2021

Johns River Quarry: EPL 4812 - 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-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	

Johns River Quarry – Blast Monitoring Data - 2020

Johns River Quarry: EPL 4812 - 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-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	05/08/2020	7/08/2020	15/08/2020	105.5	1.274			Frost Residence	YES	
JRQ-2020-03	Per Blast	05/08/2020	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	25/02/2020	104.3	2.567			Frost Residence	YES	

Johns River Quarry – Blast Monitoring Data - 2019

Johns River Quarry: EPL 4812 - 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-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	3/07/2019	10/07/2019	111	3.884			Frost Residence	YES	
JRQ-2019-01	Per Blast	4/02/2019	6/02/2019	18/02/2019	No Trigger	No Trigger	100	0.5	Frost Residence	YES	

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