

Environmental Monitoring Report – Blast Monitoring Data

Bombo Quarry

July 2022

Date Published: 26th July 2022



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 313 (EPL 313 – Boral Bombo Quarry).

This report provides environmental monitoring data for Bombo Quarry for April 2016 to present day. If there is a gap in data presented in the report this is because there was no monitoring data to present for the relevant period.

Bombo Quarry Information	
Premise Details	Boral – Bombo Quarry
Address	Panama Street, Bombo, NSW 2533
Licensee	Boral Resources Pty Ltd
EPL No	313
EPL Location	http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=31001&SYSUID=1&LICID=313
Date of dataset update	26/07/2022

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

- Blasting

Please note: The Bombo Quarry is currently non-operational, and no blasting has occurred at this site since March 2012.

If blasting at this site is undertaken in the future, it will be monitored in accordance with the EPL and results published in the corresponding monthly report.

Blasting

Blast monitoring is conducted as per condition M4.1 of EPL 4812.

Qualifications related to blasting: Extracted from EPL: 313

L2.1 Ground vibration peak particle velocity from the blasting operations at the premises must not exceed 5mm/second at any time.

L2.2 The overpressure level from blasting operations on the premises must not exceed 120 (Lin Peak) at any time.

L2.3 Blasting operations at the premises may only take place between 08:30 hours and 17:00 hours, Monday to Friday. (Where compelling safety reasons exist, the Authority may permit a blast to occur outside the abovementioned hours. Prior written (or facsimile) notification of any such blast must be made to the Authority).

M4.1 Each production blast must be monitored and recorded at the points E, G and K set out on the plan entitled "Bombo-Kiama Quarry Area Location Plan".

M4.2 To determine compliance with Conditions L2.1 and L2.2:

(a) Airblast overpressure and ground vibration levels must be measured for all production blasts carried out in or on the premises; and

(b) The written record must include:

i) the time and date of each blast;

ii) the station(s) at which the noise was measured;

iii) the ground vibration for each blast; iv) the airblast overpressure for each blast;

v) evidence that during the past 12 month period, a calibration check had been carried out on each blast monitor to ensure accuracy of the reported data; and

vi) the waveform for the ground vibration and overpressure for each blast that exceeds a ground vibration of 5mm/second (peak particle velocity) or an airblast overpressure of 115 dB(L).

(c) Instrumentation used to measure the airblast overpressure and ground vibration levels must meet the requirements of Australian Standard 2187.2 of 1993.

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)			
					Over Pressure (dB)	Peak Vibration (mm/s)	Over Pressure (dB)	Peak Vibration (mm/s)			
					115	5					
					120	10					
No blasting onsite since 2012											
Not applicable	Per Blast	No blast	No blast	No blast	No blast	No blast	115	5	No blast	Not applicable	

Bombo Quarry- Blast Monitoring Location

Blast Monitoring Locations – To be determined if blasting is undertaken in the future
 (Note: The yellow line is the approximate Boral property Boundary.)



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