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Currabubula Quarry

Environmental Monitoring Report

Blast Monitoring Data

January 2025

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)

Currabubula Quarry Information	
Premise Details	Boral – Currabubula Quarry
Address	Werris Creek Road, Currabubula NSW 2342
Licensee	Boral Resources (Country) Pty Ltd
EPL No	5846
EPL Location	ViewPOEOLicence.aspx (nsw.gov.au)
Date of dataset update	30/01/2025

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 L5 of EPL 5846.

Qualifications related to blasting:

Extracted from EPL: 5846 – L5.1 to L5.10

- Blasting operations at the premises only take place between 9:00am and 3:00 pm Monday to Friday and 9:00am and 2:00 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 and neighbours must be notified.
- Blasting at the premises is limited to 1 blast on each day on which blasting is permitted.
- The airblast overpressure level from blasting operations at the premises must not exceed:
  - 115dB (Lin Peak) at any noise sensitive locations for more than five percent of the total number of blasts over each reporting period, or one blast in each reporting period, whichever is the greater.
  - 120 dB (Lin Peak) at any time at any residence or noise sensitive location.
- Ground vibration peak particle velocity from the blasting operations at the premises must not exceed:
  - 10mm/sec at any time at any noise sensitive locations.
  - 5mm/sec at any noise sensitive locations for more than five percent of the total number of blasts in the reporting period, or one blast in each reporting period, whichever is the greater.
- Blasting must not take place when there is heavy cloud cover, severe temperature inversion, or winds of velocity greater than 10 m/s blowing towards residences not associated with the quarry.

* NOTE: Where no data has been published for a particular date there has been no blasting activity undertaken for that date

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TABLE 1: Currabubula Quarry – Blast Monitoring Results

EPA ID (Blast #)	Monitoring Frequency	Blast Date	Blast Time	Blast Results		Trigger Level (dB)	Trigger Level (mm/s)	Sampling Location	Compliant Blast (Y/N)	Comments
				Overpressure (dB)	Ground Vibration (mm/s)					
CQ24-07	Per Blast	13/12/2024	9:01	91.5	0.74			Location A	YES	
CQ24-06	Per Blast	15/10/2024	9:01	103.5	0.51			Location A	YES	
CQ24-05	Per Blast	30/07/2024	11:24	104.9	0.50			Location A	YES	
CQ24-04	Per Blast	24/05/2024	09:01	101.0	1.39			Location A	YES	
CQ24-03	Per Blast	30/04/2024	09:01	No Trigger	No Trigger	100	0.5	Location A	YES	
CQ24-02	Per Blast	05/03/2024	09:15	No Trigger	No Trigger	100	0.5	Location A	YES	
CQ24-01	Per Blast	17/01/2024	09:16	No Trigger	No Trigger	100	0.5	Location A	YES	
CQ23-05	Per Blast	14/12/2023	09:00	101.8	0.58			Location A	YES	
CQ23-04	Per Blast	04/10/2023	10:21	No Trigger	No Trigger	100	0.5	Location A	YES	
CQ23-03	Per Blast	12/07/2023	09:49	101.9	1.23			Location A	YES	
CQ23-02	Per Blast	04/04/2023	11:58	100.9	0.57			Location A	YES	
CQ23-01	Per Blast	07/02/2023	09:00	99.12	0.70			Location A	YES	
CQ22-05	Per Blast	07/12/2022		No Trigger	No Trigger	100	0.5	Location A	YES	
CQ22-04	Per Blast	11/10/2022		113.1	0.26			Location A	YES	
CQ22-03	Per Blast	10/10/2022		103.6	1.20			Location A	YES	
CQ22-02	Per Blast	23/08/2022		104.6	0.61			Location A	YES	
CQ2022-01	Per Blast	02/03/2022		No Trigger	No Trigger	100	0.5	Location A	YES	
CQ2021-07	Per Blast	22/12/2021		No Trigger	No Trigger	100	0.5	Location A	YES	

EPA ID (Blast #)	Monitoring Frequency	Blast Date	Blast Time	Blast Results		Trigger Level (dB)	Trigger Level (mm/s)	Sampling Location	Compliant Blast (Y/N)	Comments
				Overpressure (dB)	Ground Vibration (mm/s)					
CQ2021-06	Per Blast	19/10/2021		No Trigger	No Trigger	100	0.5	Location A	YES	
CQ2021-05	Per Blast	25/08/2021		No Trigger	No Trigger	100	0.5	Location A	YES	
CQ2021-04	Per Blast	26/05/2021		101.7	1.20			Location A	YES	
CQ20-21-03	Per Blast	06/04/2021		103.1	0.22			Location A	YES	
CQ-2021-02	Per Blast	08/03/2021		No Trigger	No Trigger	100	0.5	Location A	YES	
CQ20-21-01	Per Blast	08/03/2021		No Trigger	No Trigger	100	0.5	Location A	YES	
CQ2020-05	Per Blast	21/12/2020		No Trigger	No Trigger	100	0.5	Location A	YES	
CQ2020-04	Per Blast	13/10/2020		No Trigger	No Trigger	100	0.5	Location A	YES	
CQ2020-03	Per Blast	12/08/2020		104.2	0.22			Location A	YES	
CQ2020-02	Per Blast	7/07/2020		99.28	0.78			Location A	YES	
CQ2020-01	Per Blast	4/03/2020		98.76	1.08			Location A	YES	
CQ-1904	Per Blast	10/12/2019		No Trigger	No Trigger	100	0.5	Location A	YES	
CQ-1903	Per Blast	17/09/2019		97.52	0.91			Location A	YES	
CQ-1902	Per Blast	1/04/2019		No Trigger	No Trigger	100	0.5	Location A	YES	
CQ-1901	Per Blast	15/02/2019		No Trigger	No Trigger	100	0.5	Location A	YES	
CQ-1802	Per Blast	8/08/2018		97.16	1.08			Location A	YES	
CQ-1801	Per Blast	1/05/2018		84.04	1.195			Location A	YES	
CQ-1703	Per Blast	21/11/2017		96.98	1.01			Location A	YES	
CQ-1702	Per Blast	8/08/2017		No Trigger	No Trigger	100	1	Location A	YES	

EPA ID (Blast #)	Monitoring Frequency	Blast Date	Blast Time	Blast Results		Trigger Level (dB)	Trigger Level (mm/s)	Sampling Location	Compliant Blast (Y/N)	Comments
				Overpressure (dB)	Ground Vibration (mm/s)					
CQ-1701	Per Blast	12/04/2017		81.94	1.22			Location A	YES	
CQ-1603	Per Blast	16/11/2016		No Trigger	No Trigger	100	0.5	Location A	YES	
CQ-1602	Per Blast	16/08/2016		No Trigger	No Trigger	100	0.5	Location A	YES	
CQ-1601	Per Blast	21/06/2016		No Trigger	No Trigger	100	0.5	Location A	YES	

TABLE 2: Blast Monitoring Results – Corrections Log

Date of Data (sample Date)	Old Published Data	Corrected Data	Reason for Update / Correction	Update Person	Date corrected Data Published	Comments
02/03/2022, 22/12/2021, 19/10/2021, 25/08/2021	Data not Published	Data added to table	Data not Published as required	Glenn Cook	03/04/2024	Data for blasts CQ2022-01 to CQ2021-05 was not published as required.

Note: The table above details the corrections made to published data due to incorrect reporting or misleading published data

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