



SEAHAM QUARRY

Blast Monitoring Data





Licensee	Boral Resources (NSW) Pty Ltd
Facility Address	Italia Road, Seaham NSW, 2324
Premises Details	Boral - Seaham Quarry
EPL No	3956
Link to Public Register	https://app.epa.nsw.gov.au/arpocapps/ViewPOEOLicense.aspx?DOCID=168184&SYSUID=1&LCID=2261
Date of dataset update	25/06/2021

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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 3956 (EPL 3956 – Boral Seaham Quarry)

Qualifications Related to Blasting

L4.1: 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; or
b) exceed 120 dB(L) at any time
at the monitor recording blasts 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.

L4.3: 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; or
b) exceed 10mm/second at any time
at the monitor recording blasts 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^{1,2}
Trigger levels set on the monitor for air blast are 100 dB(L) for Overpressure and 0.5 mm/s for Ground Vibration. If results is "No Trigger" results are less than these trigger levels set on monitor.

Seaham Quarry: EPL 3956 - Blast Monitoring Results											
Shot Number	Monitoring Location	Monitoring Frequency	Date Sampled	Date Results Obtained	Date Results Published	Blast Results		Trigger Level dB	Trigger Level mm/s	Sample Compliant (YES/NO)	Comments
						Over pressure (dB)	Peak Vibration (mm/s)				
						115	5				
						120	10				
SQ2021-10	Whitcombes	Per Blast	23/06/2021	25/06/2021	25/06/2021	103.7	0.2207			YES	
SQ2021-06	Whitcombes	Per Blast	07/06/2021	8/06/2021	15/06/2021	103.4	0.1912			YES	
SQ2021-07	Whitcombes	Per Blast	13/05/2021	14/05/2021	20/05/2021	No Trigger	No Trigger	100	0.05	YES	
SQ2021-05	Whitcombes	Per Blast	21/04/2021	22/04/2021	10/05/2021	No Trigger	No Trigger	100	0.5	YES	
SQ2021-03	Whitcombes	Per Blast	17/03/2021	17/03/2021	15/04/2021	No Trigger	No Trigger	100	0.5	YES	
SQ2021-02	Whitcombes	Per Blast	05/03/2021	5/03/2021	16/03/2021	No Trigger	No Trigger	100	0.5	YES	
SQ2021-01	Whitcombes	Per Blast	12/02/2021	12/02/2021	25/02/2021	No Trigger	No Trigger	100	0.5	YES	
SQ2020-16	Whitcombes	Per Blast	13/01/2021	13/01/2021	22/01/2021	No Trigger	No Trigger	100	0.5	YES	
SQ2020-14	Whitcombes	Per Blast	8/12/2020	8/12/2020	15/12/2020	107.8	0.22			YES	
SQ2020-13	Whitcombes	Per Blast	30/10/2020	30/10/2020	15/11/2020	101.3	0.26			YES	
SQ2020-12	Whitcombes	Per Blast	9/10/2020	9/10/2020	15/10/2020	No Trigger	No Trigger	100	0.5	YES	
SQ2020-11	Whitcombes	Per Blast	23/09/2020	23/09/2020	15/10/2020	110.3	0.23			YES	
SQ2020-10	Whitcombes	Per Blast	25/08/2020	25/08/2020	13/09/2020	102.8	0.16			YES	
SQ2020-09	Whitcombes	Per Blast	29/07/2020	29/07/2020	4/08/2020	No Trigger	No Trigger			YES	
SQ2020-08	Whitcombes	Per Blast	6/07/2020	6/07/2020	4/08/2020	No Trigger	No Trigger			YES	
SQ2020-07	Whitcombes	Per Blast	6/07/2020	6/07/2020	4/08/2020	No Trigger	No Trigger			YES	
SQ2020-06	Whitcombes	Per Blast	28/05/2020	28/05/2020	15/06/2020	No Trigger	No Trigger			YES	
	Whitcombes	Per Blast	12/03/2020	12/03/2020	17/03/2020	No Trigger	No Trigger			YES	
	Whitcombes	Per Blast	26/02/2020	26/02/2020	17/03/2020	No Trigger	No Trigger			YES	
	Whitcombes	Per Blast	3/02/2020	3/02/2020	14/02/2020	No Trigger	No Trigger			YES	
	Whitcombes	Per Blast	21/01/2019	21/01/2019		No Trigger	No Trigger			YES	
	Whitcombes	Per Blast	13/12/2019	13/12/2019		No Trigger	No Trigger			YES	
	Whitcombes	Per Blast	20/11/2019	20/11/2019		No Trigger	No Trigger			YES	
	Whitcombes	Per Blast	25/10/2019	25/10/2019		No Trigger	No Trigger			YES	

