Bombala Quarry

Environmental Monitoring Report

October 2017

Date Published: November 2017

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 12891 (EPL 12891 – Boral Bombala Quarry)

This report provides environmental monitoring data for Bombala Quarry for the period November 2015 to October 2017.

Bombala Quarry Information	
Premise Details	Boral – Bombala Quarry
Address	High Lake Rd, Bombala NSW 2632
Licensee	Boral Resources (Country) Pty Ltd
EPL No	12891
EPL Location	http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=32707&SYSUID=1&LICID=12891

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

- Blasting
- Dust

Blasting

Blast monitoring is conducted as per condition L4.1 of EPL 12891. The blasting monitoring results are summarised below.

Monitoring Period:	November 2015 to October 2017
Licensee:	Bombala Quarry
Licensee Address:	High Lake Rd, Bombala NSW 2632
EPL No:	12891

Qualifications related to blasting:
The airblast overpressure level from blasting operations in or on the premises must not exceed:
a) 115 dB (Lin Peak) for more than 5% of the total number of blasts during each reporting period; and
b) 120 dB (Lin Peak) at any time.
The ground vibration peak particle velocity from blasting operations carried out in or on the premises must not exceed:
a) 5mm/s for more than 5% of the total number of blasts carried out on the premises during each reporting period; and
b) 10 mm/s at any time.
Airblast overpressure and ground vibration levels must be measured at most affected residence or noise sensitive location that is not owned by the licensee or subject to a private agreement between the owner of the residence or noise sensitive location and the licensee as to an alternative overpressure level.

Results							
Location	**Blast Date**	**Results Received**	**Blast Time**	**Ground Vibration Result**	**GV Compliant**	**Overpressure Result**	**OP Compliant**
NA	NA	NA	NA	NA	NA	NA	NA

The blast data indicates that there have been no blasts since November 2015. The site is currently non-operational.

Air Quality

Air Quality Monitoring is conducted as per condition P1.1 of EPL 12891. The air quality results for the reporting period are tabled below.

Deposited Dust

Deposited Dust (g/m^2/month) results.

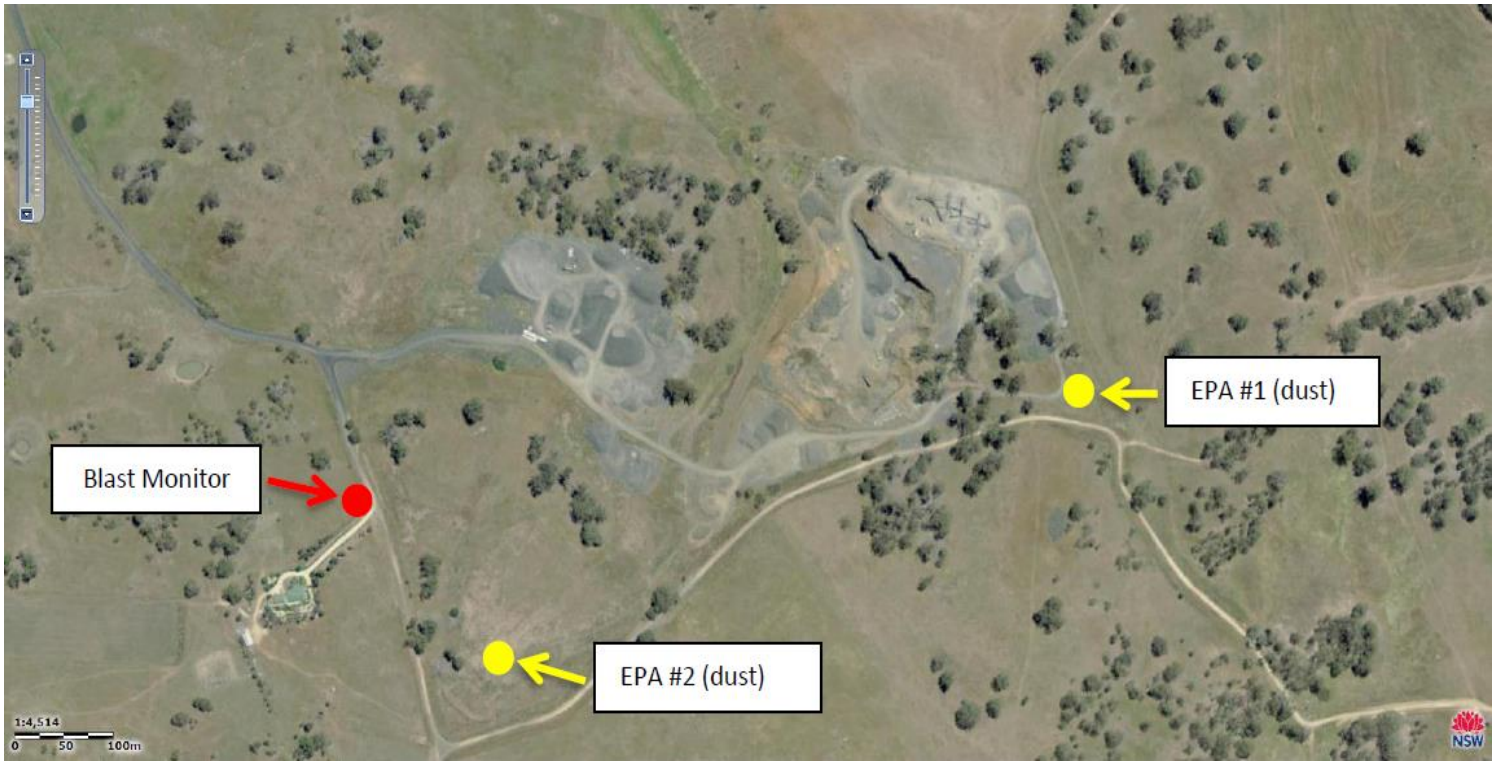
Monitoring Period:	November 2015 to September 2017
Licensee:	Bombala Quarry
Licensee Address:	High Lake Rd, Bombala NSW 2632
EPL No:	12891

Qualifications related to Dust

Air Emissions Monitoring - Dust Deposition Gauge

Results

		Site 1 (Units: g/m²/month)			Site 2 (Units: g/m²/month)		
Date	Date Received	Insoluble Solids	Ash	Total Solid Particles	Insoluble Solids	Ash	Total Solid Particles
Nov-2015	Dec-2015	2.27	1.21	3.80	2.39	1.20	4.22
Dec-2015	Jan-2016	2.31	1.63	6.11	2.73	1.65	7.35
Jan-2016	Feb-2016	1.23	1.05	2.27	1.54	1.16	3.95
Feb-2016	Mar-2016	1.88	1.23	4.17	3.12	1.67	5.56
Mar-2016	Apr-2016	1.93	0.77	2.24	2.18	1.01	2.79
Apr-2016	May-2016	1.73	1.61	4.02	3.28	2.69	8.14
May-2016	Jun-2016	1.64	1.09	3.09	2.80	1.76	3.94
Jun-2016	Jul-2016	1.76	0.96	2.74	1.58	0.95	1.78
Jul-2016	Aug-2016	2.06	1.66	3.45	1.14	1.13	3.21
Aug-2016	Sep-2016	1.75	1.17	3.14	1.18	1.00	2.26
Sep-2016	Oct-2016	2.27	1.59	3.57	2.09	1.35	3.31
Oct-2016	Nov-2016	2.56	1.37	4.17	1.71	0.93	3.44
Nov-2016	Dec-2016	2.24	1.24	4.02	3.36	2.43	5.79
Dec-2016	Jan-2017	1.15	0.98	4.30	1.14	0.88	3.81
Jan-2017	Feb-2017	2.15	1.03	3.25	2.46	1.41	4.29
Feb-2017	Mar-2017	2.10	1.36	9.75	1.91	1.35	5.39
Mar-2017	Apr-2017	1.51	1.15	4.32	2.36	1.29	6.56
Apr-2017	May-2017	2.10	1.72	3.67	1.46	1.14	3.08
May-2017	Jun-2017	29.17	27.51	32.08	2.82	1.7	5.27
Jun-2017	17/07/17	2.39	1.27	2.42	2.79	1.6	3.51
Jul-2017	16/08/17	1.92	1.07	2.69	2.57	1.4	3.47
Aug-2017	16/09/17	1.85	1.24	2.60	1.71	1.1	2.50
Sep-2017	18/10/17	4.00	2.19	7.21	3.11	1.5	5.24
Oct-2017	22/11/17	2.05	1.39	4.47	1.88	1.02	3.44

Bombala Quarry Monitoring Locations.

Blast & Dust Monitoring Locations