



Peats Ridge Quarry

Environmental Monitoring Report

December 2020

Date Published: Dec 2020



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 2068 (EPL 2068 – Boral Peats Ridge Quarry Quarry)

This report provides environmental monitoring data for Peats Ridge Quarry for the period October 2015 to December 2020.

Peats Ridge Quarry Information	
Premise Details	Boral – Peats Ridge Quarry
Address	Bushells Road, Peats Ridge NSW 2250
Licensee	Boral Resources NSW Pty Ltd
EPL No	2068
EPL Location	http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=33573&SYSUID=1&LICID=2068

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

- Blasting

Blasting

Blast monitoring is conducted as per condition L3 of EPL 2068. The blasting monitoring results are summarised below.

Monitoring Period: October 2015 – December 2020
 Licensee: Peats Ridge Quarry
 Licensee Address: Bushells Road, Peats Ridge NSW 2250
 EPL No: 2068

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
Cess's Property	22/10/15	22/10/15	12:47	106.2	Yes	No Trigger	Yes
Cess's Property	26/11/15	26/11/15	13:03	No Trigger	Yes	No Trigger	Yes
Cess's Property	9/12/15	9/12/15	13:34	No Trigger	Yes	No Trigger	Yes
Cess's Property	8/02/16	8/02/16	13:43	103.5	Yes	2.54	Yes
Cess's Property	3/03/16	3/03/16	13:30	98.8	Yes	1.52	Yes
Cess's Property	7/04/16	7/04/16	14:45	109.2	Yes	2.76	Yes
Cess's Property	5/05/16	5/05/16	14:41	No Trigger	Yes	No Trigger	Yes
Cess's Property	2/06/16	2/06/16	13:01	109.9	Yes	0.28	Yes
Cess's Property	27/06/16	27/06/16	12:08	No Trigger	Yes	No Trigger	Yes
Cess's Property	21/07/16	21/07/16	11:39	No Trigger	Yes	No Trigger	Yes
Cess's Property	22/07/16	22/07/16	9:32	No Trigger	Yes	No Trigger	Yes
Cess's Property	15/09/16	15/09/16	11:48	No Trigger	Yes	No Trigger	Yes
Cess's Property	4/10/16	4/10/16	12:34	No Trigger	Yes	No Trigger	Yes
Cess's Property	13/10/16	13/10/16	10:39	No Trigger	Yes	No Trigger	Yes
Cess's Property	28/11/16	28/11/16	12:48	106	Yes	0.89	Yes
Cess's Property	16/12/16	16/12/16	13:17	100	Yes	5.08*	Yes
Cess's Property	16/12/16	16/12/16	13:46	No Trigger	Yes	No Trigger	Yes
Cess's Property	2/03/17	2/03/17	11:24	No Trigger	Yes	No Trigger	Yes
Cess's Property	10/03/17	10/03/17	12:45	101.4	Yes	No Trigger	Yes
Cess's Property	3/04/17	3/04/17	12:57	No Trigger	Yes	No Trigger	Yes
Cess's Property	3/04/17	3/04/17	12:57	No Trigger	Yes	No Trigger	Yes
Cess's Property	27/04/17	27/04/17	13:36	104.7	Yes	1.99	Yes
Cess's Property	11/05/17	11/05/17	13:52	105.4	Yes	2.09	Yes
Cess's Property	11/05/17	11/05/17	13:52	No Trigger	Yes	No Trigger	Yes
Cess's Property	11/05/17	11/05/17	13:52	No Trigger	Yes	No Trigger	Yes
Cess's Property	11/05/17	11/05/17	13:52	No Trigger	Yes	No Trigger	Yes
Cess's Property	11/05/17	11/05/17	13:52	No Trigger	Yes	No Trigger	Yes
Cess's Property	11/05/17	11/05/17	13:52	No Trigger	Yes	No Trigger	Yes

Location	Blast Date	Results Received	Blast Time	Ground Vibration Result**	GV Compliant	Overpressure Result**	OP Compliant
Cess's Property	11/05/17	11/05/17	13:52	No Trigger	Yes	No Trigger	Yes
Cess's Property	11/05/17	11/05/17	13:52	No Trigger	Yes	No Trigger	Yes
Cess's Property	8/06/17	8/06/17	13:03	107.5	Yes	1.18	Yes
Cess's Property	8/06/17	8/06/17	13:03	No Trigger	Yes	No Trigger	Yes
Cess's Property	8/06/17	8/06/17	13:03	No Trigger	Yes	No Trigger	Yes
Cess's Property	8/06/17	8/06/17	13:03	No Trigger	Yes	No Trigger	Yes
Cess's Property	8/06/17	8/06/17	13:03	No Trigger	Yes	No Trigger	Yes
Cess's Property	8/06/17	8/06/17	13:03	No Trigger	Yes	No Trigger	Yes
Cess's Property	21/08/17	21/08/17	12:16	No Trigger	Yes	No Trigger	Yes
Cess's Property	18/10/17	18/10/17	14:19	No trigger	Yes	No trigger	Yes
Cess's Property	18/12/17	18/10/17	13:47	103.9	Yes	0.19	Yes
Cess's Property	12/02/18	12/02/18	14:59	No trigger	Yes	No trigger	Yes
Cess's Property	16/04/18	16/04/18	14:43	101.3	Yes	No trigger	Yes
Cess's Property	15/06/18	15/06/18	13:32	No trigger	Yes	No trigger	Yes
Cess's Property	09/08/18	09/08/18	14:34	113	Yes	1.048	Yes
Cess's Property	20/09/18	20/09/18	12:43	No trigger	Yes	No trigger	Yes
Cess's Property	15/10/18	15/10/18	14:23	93.47	Yes	0.38	Yes
Cess's Property	04/03/19	04/03/19	12:53	94	Yes	0.68	Yes
Cess's Property	07/05/19	07/05/19	13:16	104	Yes	1.1	Yes
Cess's Property	28/06/19	28/06/19	14:37	105	Yes	1.3	Yes
Cess's Property	12/08/19	12/08/19	11:36	100	Yes	0.5	Yes
Cess's Property	19/08/19	19/08/19	13:25	100	Yes	0.5	Yes
Cess's Property	02/09/19	02/09/19	11:58	102.6	Yes	2.87	Yes
Cess's Property	24/09/19	24/09/19	13:23	100	Yes	0.5	Yes
Cess's Property	23/10/19	23/10/19	12:12	95.44	Yes	1.53	Yes
Cess's Property	29/10/19	29/10/19	12:45	91.99	Yes	2.42	Yes
Cess's Property	26/11/19	26/11/19	11:02	111	Yes	2.984	Yes
Cess's Property	28/01/20	28/01/20	14:45	105	Yes	0.46	Yes
Cess's Property	17/08/20	17/08/20	12:59	111	Yes	0.98	Yes
Cess's Property	28/09/20	28/09/20	12:53	100	Yes	0.50	Yes
Cess's Property	21/10/20	21/10/20	11:53	104.3	Yes	1.821	Yes
Cess's Property	17/12/20	17/12/20	13:38	No trigger	Yes	No trigger	Yes

* Less than 5% of the total number of blasts carried out on the premises during respective reporting period.

**Trigger levels set on the monitor for air blast are 100 dbL and ground vibration 0.5 mm/s.

Blast data indicates compliance against the set criteria.

Peats Ridge Quarry Monitoring Locations.

Nominal Blast Monitoring Location

