



Peats Ridge Quarry

Environmental Monitoring Report

April 2019

Date Published: May 2019



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 April 2019.

| 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 - April 2019
 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 | 0.68 | Yes | 94 | Yes |

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

Blast data indicates compliance against the set criteria.

Peats Ridge Quarry Monitoring Locations.

Nominal Blast Monitoring Location

