



Hall Quarry

Environmental Monitoring Report

March 2019

Date Published: March 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 4082 (EPL 4082 – Boral Hall Quarry)

This report provides environmental monitoring data for Hall Quarry for the period 1st November to 31st March 2019.

| Hall Quarry Information | |
|-------------------------|---|
| Premise Details | Boral – Hall Quarry |
| Address | Kaveney Rd, Murrumbateman NSW 2582 |
| Licensee | Boral Resources (Country) Pty Ltd |
| EPL No | 4082 |
| EPL Location | http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=33148&SYSUID=1&LICID=4082 |

Monitoring data in this report relates to the monitoring undertaken in March 2019 for the following environmental pollutants:

- Blasting

Blasting

Blast monitoring is conducted as per condition L6.3 of EPL 4082. The blasting monitoring results are summarised below.

Monitoring Period: March 2019
 Licensee: Hall Quarry
 Licensee Address: Kaveney's Rd, Murrumbateman NSW 2582
 EPL No: 4082

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 |
| Quarry Hill | 29/1/19 | 29/1/19 | 13:05 | 0.51mm/s | Yes | 100 dBL | Yes |
| Silverwattle | 29/1/19 | 29/1/19 | 13:05 | 0.51mm/s | Yes | 100 dBL | Yes |
| Quarry Hill | 18/1/19 | 18/1/19 | 12:44 | 0.51mm/s | Yes | 101.9 dBL | Yes |
| Silverwattle | 18/1/19 | 18/1/19 | 12:44 | 0.51mm/s | Yes | 100 dBL | Yes |
| Quarry Hill | 5/12/18 | 5/12/18 | 13:13 | 0.51mm/s | Yes | 100 dBL | Yes |
| Silverwattle | 5/12/18 | 5/12/18 | 13:13 | 0.51mm/s | Yes | 100 dBL | Yes |
| Quarry Hill | 27/11/2018 | 27/11/2018 | 13:13 | 0.51mm/s | Yes | 100 dBL | Yes |
| Silverwattle | 27/11/2018 | 27/11/2018 | 13:13 | 0.51mm/s | Yes | 100 dBL | Yes |
| Quarry Hill | 30/10/2018 | 30/10/2018 | 13:21 | 0.51mm/s | Yes | 106 dBL | Yes |
| Silverwattle | 30/10/2018 | 30/10/2018 | 13:21 | 0.51mm/s | Yes | 105.5 dBL | Yes |
| Quarry Hill | 22/10/2018 | 22/10/2018 | 11:45 | 0.51mm/s | Yes | 100 dBL | Yes |
| Silverwattle | 22/10/2018 | 22/10/2018 | 11:45 | 0.51mm/s | Yes | 100 dBL | Yes |
| Quarry Hill | 24/9/2018 | 25/9/2018 | 13:33 | 0.51mm/s | Yes | 104.2 | Yes |
| Silverwattle | 24/9/2018 | 25/9/2018 | 13:33 | 0.51mm/s | Yes | 100 dBL | Yes |
| Quarry Hill | 27/7/2018 | 27/7/2018 | 13:21 | 0.51 mm/s | Yes | 103.5 dBL | Yes |
| Silverwattle | 27/7/2018 | 27/7/2018 | 13:21 | 0.51 mm/s | Yes | 100 dBL | Yes |
| Quarry Hill | 5/6/2018 | 5/6/2018 | 13:29 | 0.51 mm/s | Yes | 106.5 dBL | Yes |
| Silverwattle | 5/6/2018 | 5/6/2018 | 13:29 | 0.38 mm/s | Yes | 106.5 dBL | Yes |
| Quarry Hill | 25/5/2018 | 25/5/2018 | 13:11 | 0.51 mm/s | Yes | 105.5 dBL | Yes |
| Silverwattle | 25/5/2018 | 25/5/2018 | 13:11 | 0.51mm/s | Yes | 100 dBL | Yes |
| Quarry Hill | 20/4/18 | 27/4/18 | 13:00 | 0.51 mm/s | Yes | 105.5 dBL | Yes |
| Silver Wattle | 20/4/18 | 27/4/18 | 13:00 | 0.51 mm/s | Yes | 108 dBL | Yes |
| Quarry Hill | 5/2/18 | 12/2/18 | 11:13 | 0.51 mm/s | Yes | 100 dBL | Yes |
| Silver Wattle | 5/2/18 | 12/2/18 | 11:13 | 0.51 mm/s | Yes | 100 dBL | Yes |

| | | | | | | | |
|------------------|---------|------------|-------|-----------|-----|-----------|-----|
| Quarry Hill | 5/12/17 | 12/12/18 | 13:22 | 0.51 mm/s | Yes | 109.5 dBL | Yes |
| Silver Wattle | 5/12/17 | 12/12/2017 | 13:22 | 0.51 mm/s | Yes | 100 dBL | Yes |

Hall Quarry Monitoring Locations.

Blast Monitoring Location

