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Environmental Monitoring Report

Blasting Monitoring

Dunmore Quarry

March 2025



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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 request, 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 77 (EPL 77 – Boral Dunmore Quarry)

This report provides environmental monitoring data for Dunmore Quarry for the period February 2021 to February 2025.

Dunmore Quarry Information	
Premise Details	Boral – Dunmore Quarry
Address	Princes Highway, Dunmore NSW, 2529
Licensee	Boral Resources (NSW) PTY LTD
EPL N°	77
EPL Location	https://apps.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=77&id=77&option=licence&searchrange=licence&range=POEO%20licence&prp=no&status=Issued

Monitoring data in this report relates to the monitoring undertaken in the reporting period for Blasting.



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Blasting

Blast monitoring is conducted as per condition L4 of EPL 77. The blasting monitoring results for the reporting period is summarised below.

Sample Period: February-March 2025
Licensee: Dunmore Quarry
Licensee Address: Princes Hwy, Dunmore NSW 2529
EPL No: 77

Qualifications related to noise:

- * The overpressure level from blasting operations at the premises must not exceed 120dB (Lin Peak) at any time
- * The overpressure level from blasting operations at the premises must not exceed 115dB (Lin Peak) for more than 5% of the total number of blasts over each reporting period
- * Ground vibration peak particle vector from the blasting operations at the premises must not exceed 10mm/sec at any time
- * Ground vibration peak particle vector from the blasting operations at the premises must not exceed 5mm/sec for more than 5% of the total number of blasts over each reporting period
- * Blast monitoring overpressure and ground vibration is currently measured at the Benny Property. Prior to the 20th of February 2018 blast monitoring had been undertaken at the MacParland Residence.
- * **A reading denoted as “No Trigger” means that the recorded value was below the measuring sensitivity of the instrument and therefore deemed compliant with limits.**

Monitoring Location	Blast Date	Results Received	Time	Ground Vibration (mm/s)	Overpressure (dBL)	Compliant	Comments
Benny Residence	03-Mar-2025	05-Mar-25	1401	No Trigger	No Trigger	Y	Instrument set to a sensitivity of 88.0dbL for Overpressure and 0mm/s for Vibration



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Historical Data

Monitoring Location	Blast Date	Results Received	Time	Ground Vibration (mm/s)	Overpressure (dBL)	Compliant	Comments
Benny Residence	31-Jan-2025	13-Feb-25	1406	No Trigger	No Trigger	Y	
Benny Residence	15-Jan-2025	13-Feb-25	1219	No Trigger	No Trigger	Y	
Benny Residence	09-Dec-2024	13-Feb-25	1235	No Trigger	No Trigger	Y	
Benny Residence	12-Nov-2024	13-Feb-25	1237	No Trigger	88.0	Y	
Benny Residence	22-Oct-2024	13-Feb-25	1343	No Trigger	No Trigger	Y	
Benny Residence	30-Sep-2024	02-Oct-24	1214	0.13	102.9	Y	
Benny Residence	12-Sep-2024	02-Oct-24	1355	0.20	110.7	Y	
Benny Residence	18-Jul-2024	23-Jul-24	1338	0.08	107.1	Y	
Benny Residence	02-Jul-2024	07-Jul-24	0935	0.05	103.5	Y	
Benny Residence	13-Jun-2024	15-Jun-24	1356	0.26	87.6	Y	
Benny Residence	30-May-2024	15-Jun-24	1356	0.23	97.3	Y	
Benny Residence	9-May-2024	11-May-24	1509	0.47	102.4	Y	
Benny Residence	15-Apr-2024	11-May-24	1349	0.05	88.1	Y	
Benny Residence	20-Mar-2024	09-Apr-24	1258	0.30	103.1	Y	
Benny Residence	22-Feb-2024	10-Mar-24	1227	0.25	99.8	Y	
Benny Residence	08-Feb-2024	11-Feb-24	1559	0.31	105.2	Y	
Benny Residence	25-Jan-2024	11-Feb-24	1204	0.30	97.6	Y	
Benny Residence	12-Jan-2024	11-Feb-24	1538	0.35	105.0	Y	
Benny Residence	08-Dec-2023	10-Jan-24	1304	No Trigger	No Trigger	Y	
Benny Residence	17-Nov-2023	10-Jan-24	1315	No Trigger	No Trigger	Y	
Benny Residence	03-Nov-23	10-Jan-24	1346	0.17	97.1	Y	
Benny Residence	20-Oct-23	1-Nov-23	1347	0.68	108.9	Y	
Benny Residence	29-Sep-23	1-Nov-23	1552	0.32	93.3	Y	
Benny Residence	22-Sep-23	1-Nov-23	1334	0.45	99.7	Y	
Benny Residence	15-Sep-23	1-Nov-23	1340	0.17	93.3	Y	
Benny Residence	1-Sep-23	1-Nov-23	1334	0.17	105.4	Y	
Benny Residence	1-Sep-23	1-Nov-23	1316	0.13	110.3	Y	
Benny Residence	25-Aug-23	1-Nov-23	1228	0.70	100.1	Y	
Benny Residence	18-Aug-23	1-Nov-23	1432	0.83	107.0	Y	
Benny Residence	11-Aug-23	1-Nov-23	0957	0.18	102.9	Y	
Benny Residence	28-Jul-23	7-Aug-23	1223	0.55	99.7	Y	
Benny Residence	21-Jul-23	7-Aug-23	1400	0.05	104.2	Y	
Benny Residence	14-Jul-23	7-Aug-23	1239	0.05	95.0	Y	
Benny Residence	10-Jul-23	7-Aug-23	1502	0.05	98.0	Y	
Benny Residence	23-June-23	3-July-23	1257	1.27	108.0	Y	
Benny Residence	16-June-23	3-July-23	1437	0.18	95.8	Y	
Benny Residence	16-June-23	3-July-23	1421	0.45	99.0	Y	
Benny Residence	9-June-23	3-July-23	1437	0.38	108.1	Y	
Benny Residence	31-May-23	6-June-23	1242	0.57	96.6	Y	
Benny Residence	26-May-23	6-June-23	1320	1.05	104.3	Y	
Benny Residence	24-May-23	6-June-23	1319	No Trigger	97.3	Y	
Benny Residence	19-May-23	6-June-23	1559	0.31	91.0	Y	
Benny Residence	12-May-23	6-June-23	1235	0.44	98.6	Y	



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Monitoring Location	Blast Date	Results Received	Time	Ground Vibration (mm/s)	Overpressure (dBL)	Compliant	Comments
Benny Residence	31-Jan-2025	13-Feb-25	1406	No Trigger	No Trigger	Y	
Benny Residence	15-Jan-2025	13-Feb-25	1219	No Trigger	No Trigger	Y	
Benny Residence	09-Dec-2024	13-Feb-25	1235	No Trigger	No Trigger	Y	
Benny Residence	12-Nov-2024	13-Feb-25	1237	No Trigger	88.0	Y	
Benny Residence	22-Oct-2024	13-Feb-25	1343	No Trigger	No Trigger	Y	
Benny Residence	30-Sep-2024	02-Oct-24	1214	0.13	102.9	Y	
Benny Residence	05-May-23	6-June-23	1307	No Trigger	92.9	Y	
Benny Residence	28-Apr-2023	3-May-23	1300	0.09	103.0	Y	
Benny Residence	14-Apr-2023	3-May-23	1426	0.62	105.6	Y	
Benny Residence	20-Mar-2023	3-Apr-23	1323	0.63	104.6	Y	
Benny Residence	9-Mar-2023	3-Apr-23	1501	1.16	103.6	Y	
Benny Residence	20-Feb-2023	1-Mar-23	1525	1.06	108.0	Y	
Benny Residence	25-Jan-2023	14-Feb-23	1418	0.45	108.5	Y	
Benny Residence	11-Jan-2023	14-Feb-23	1214	0.45	109.6	Y	
Benny Residence	30-Nov-2022	12-Dec-22	1351	No Trigger	No Trigger	Y	
Benny Residence	14-Nov-2022	12-Dec-22	1515	No Trigger	No Trigger	Y	
Benny Residence	19-Oct-2022	11-Nov-22	1410	No Trigger	No Trigger	Y	
Benny Residence	10-Oct-2022	14-Oct-22	1626	No Trigger	No Trigger	Y	
Benny Residence	19-Sep-2022	14-Oct-22	1453	No Trigger	No Trigger	Y	
Benny Residence	31-Aug-2022	14-Oct-22	1600	No Trigger	No Trigger	Y	
Benny Residence	17-Aug-2022	14-Oct-22	1552	No Trigger	No Trigger	Y	
Benny Residence	1-Aug-2022	14-Oct-22	1512	No Trigger	No Trigger	Y	
Benny Residence	20-Jul-2022	30-Aug-22	1511	0.508	98.8	Y	
Benny Residence	29-Jun-2022	13-Jul-2022	1255	No Trigger	No Trigger	Y	
Benny Residence	22-Jun-2022	13-Jul-2022	1252	No Trigger	No Trigger	Y	
Benny Residence	20-May-2022	13-Jul-2022	1217	No Trigger	No Trigger	Y	
Benny Residence	16-May-2022	13-Jul-2022	1520	No Trigger	No Trigger	Y	
Benny Residence	4-May-2022	13-Jul-2022	1437	No Trigger	No Trigger	Y	
Benny Residence	31-Mar-2022	13-Jul-2022	1305	No Trigger	No Trigger	Y	
Benny Residence	21-Feb-22	15-Mar-22	11:06	No Trigger	No Trigger	Y	
Benny Residence	22-Dec-22	22-Dec-22	13:16	No Trigger	No Trigger	Y	
Benny Residence	01-Dec-21	01-Dec-21	14:41	No Trigger	No Trigger	Y	
Benny Residence	17-Nov-21	17-Nov-21	14:09	No Trigger	No Trigger	Y	
Benny Residence	22-Oct-21	22-Oct-21	12:11	No Trigger	No Trigger	Y	
Benny Residence	20-Sept-21	20-Sept-21	12:03	No Trigger	No Trigger	Y	
Benny Residence	01-Sept-21	01-Sept-21	13:29	No Trigger	No Trigger	Y	
Benny Residence	09-Aug-21	09-Aug-21	13:04	No Trigger	No Trigger	Y	
Benny Residence	03-Jun-21	03-Jun-21	15:05	0.60	101.9	Y	
Benny Residence	09-Jun-21	09-Jun-21	15:01	0.80	99.5	Y	
Benny Residence	10-May-21	10-May-21	13:49	No Trigger	No Trigger	Y	
Benny Residence	19-May-21	19-May-21	12:43	No Trigger	No Trigger	Y	
Benny Residence	14-Apr-21	14-Apr-21	13:49	No Trigger	No Trigger	Y	
Benny Residence	21-Apr-21	21-Apr-21	12:46	0.70	95.9	Y	
Benny Residence	10-Mar-21	10-Mar-21	14:29	1.30	109.9	Y	
Benny Residence	29-Mar-21	29-Mar-21	15:07	1.10	101.0	Y	



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Dunmore Quarry Monitoring Locations.



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LEGEND

- Site Boundary
- Water Discharge Monitoring Point
- Deposited Dust Monitoring Point
- Weather Analysis Monitoring Point
- Blast Monitoring Point
- High Volume Air Sampling Point