

Bass Point Quarry - Blast Monitoring Data - 2024



Date	Time	Blast Monitor location	Airblast overpressure (dB(Lin Peak))	Airblast overpressure lower limit (dB(Lin Peak))	Airblast overpressure upper limit (dB(Lin Peak))	Airblast overpressure compliant (Yes / No)	Ground vibration (mm/sec)	Ground vibration lower limit (mm/sec)	Ground vibration upper limit (mm/sec)	Ground vibration compliant (Yes / No)	Comments
15/01/2024	11:00	Monitoring Point A (Rangoon Avenue, Shell Cove)	101.4	115	120	Yes	0.582	5	10	Yes	
		Monitoring Point B (Killalea Regional Park, Shell Cove)	104.9	115	120	Yes	0.169	5	10	Yes	
18/01/2024	12:00	Monitoring Point A (Rangoon Avenue, Shell Cove)	104.2	115	120	Yes	2.094	5	10	Yes	
		Monitoring Point B (Killalea Regional Park, Shell Cove)	101.0	115	120	Yes	0.137	5	10	Yes	
25/01/2024	13:00	Monitoring Point A (Rangoon Avenue, Shell Cove)	112.8	115	120	Yes	1.868	5	10	Yes	
		Monitoring Point B (Killalea Regional Park, Shell Cove)	102.8	115	120	Yes	0.760	5	10	Yes	
1/02/2024	12:00	Monitoring Point A (Rangoon Avenue, Shell Cove)	101.8	115	120	Yes	0.543	5	10	Yes	
		Monitoring Point B (Killalea Regional Park, Shell Cove)	94.0	115	120	Yes	0.486	5	10	Yes	
14/02/2024	11:00	Monitoring Point A (Rangoon Avenue, Shell Cove)	94.0	115	120	Yes	0.186	5	10	Yes	
		Monitoring Point B (Killalea Regional Park, Shell Cove)	97.5	115	120	Yes	0.151	5	10	Yes	
16/02/2024	12:16	Monitoring Point A (Rangoon Avenue, Shell Cove)	107.5	115	120	Yes	1.552	5	10	Yes	
		Monitoring Point B (Killalea Regional Park, Shell Cove)	100.0	115	120	Yes	0.957	5	10	Yes	
21/02/2024	12:33	Monitoring Point A (Rangoon Avenue, Shell Cove)	99.4	115	120	Yes	0.544	5	10	Yes	
		Monitoring Point B (Killalea Regional Park, Shell Cove)	88.0	115	120	Yes	0.395	5	10	Yes	
29/02/2024	12:30	Monitoring Point A (Rangoon Avenue, Shell Cove)	102.8	115	120	Yes	1.153	5	10	Yes	
		Monitoring Point B (Killalea Regional Park, Shell Cove)	107.1	115	120	Yes	0.503	5	10	Yes	
6/03/2024	13:37	Monitoring Point A (Rangoon Avenue, Shell Cove)	110.6	115	120	Yes	1.804	5	10	Yes	
		Monitoring Point B (Killalea Regional Park, Shell Cove)	108.6	115	120	Yes	1.186	5	10	Yes	
14/03/2024	12:14	Monitoring Point A (Rangoon Avenue, Shell Cove)	110.9	115	120	Yes	0.638	5	10	Yes	
		Monitoring Point B (Killalea Regional Park, Shell Cove)	100.7	115	120	Yes	0.263	5	10	Yes	
28/03/2024	13:02	Monitoring Point A (Rangoon Avenue, Shell Cove)	113.1	115	120	Yes	1.572	5	10	Yes	
		Monitoring Point B (Killalea Regional Park, Shell Cove)	100.5	115	120	Yes	1.463	5	10	Yes	
3/04/2024	12:02	Monitoring Point A (Rangoon Avenue, Shell Cove)	109.4	115	120	Yes	1.598	5	10	Yes	
		Monitoring Point B (Killalea Regional Park, Shell Cove)	104.9	115	120	Yes	1.275	5	10	Yes	
4/04/2024	11:01	Monitoring Point A (Rangoon Avenue, Shell Cove)	107.8	115	120	Yes	1.561	5	10	Yes	
		Monitoring Point B (Killalea Regional Park, Shell Cove)	101.9	115	120	Yes	0.686	5	10	Yes	
9/04/2024	10:17	Monitoring Point A (Rangoon Avenue, Shell Cove)	106.5	115	120	Yes	0.392	5	10	Yes	
		Monitoring Point B (Killalea Regional Park, Shell Cove)	110.2	115	120	Yes	0.098	5	10	Yes	
15/04/2024	12:03	Monitoring Point A (Rangoon Avenue, Shell Cove)	106.5	115	120	Yes	0.498	5	10	Yes	
		Monitoring Point B (Killalea Regional Park, Shell Cove)	98.8	115	120	Yes	0.398	5	10	Yes	
24/04/2024	13:13	Monitoring Point A (Rangoon Avenue, Shell Cove)	105.5	115	120	Yes	1.641	5	10	Yes	
		Monitoring Point B (Killalea Regional Park, Shell Cove)	102.8	115	120	Yes	0.719	5	10	Yes	
2/05/2024	12:01	Monitoring Point A (Rangoon Avenue, Shell Cove)	106.5	115	120	Yes	0.727	5	10	Yes	
		Monitoring Point B (Killalea Regional Park, Shell Cove)	98.8	115	120	Yes	0.445	5	10	Yes	
		Monitoring Point A (Rangoon Avenue, Shell Cove)		115	120	Yes		5	10	Yes	
		Monitoring Point B (Killalea Regional Park, Shell Cove)		115	120	Yes		5	10	Yes	
		Monitoring Point A (Rangoon Avenue, Shell Cove)		115	120	Yes		5	10	Yes	
		Monitoring Point B (Killalea Regional Park, Shell Cove)		115	120	Yes		5	10	Yes	
		Monitoring Point A (Rangoon Avenue, Shell Cove)		115	120	Yes		5	10	Yes	
		Monitoring Point B (Killalea Regional Park, Shell Cove)		115	120	Yes		5	10	Yes	
		Monitoring Point A (Rangoon Avenue, Shell Cove)		115	120	Yes		5	10	Yes	
		Monitoring Point B (Killalea Regional Park, Shell Cove)		115	120	Yes		5	10	Yes	
		Monitoring Point A (Rangoon Avenue, Shell Cove)		115	120	Yes		5	10	Yes	
		Monitoring Point B (Killalea Regional Park, Shell Cove)		115	120	Yes		5	10	Yes	
		Monitoring Point A (Rangoon Avenue, Shell Cove)		115	120	Yes		5	10	Yes	
		Monitoring Point B (Killalea Regional Park, Shell Cove)		115	120	Yes		5	10	Yes	
		Monitoring Point A (Rangoon Avenue, Shell Cove)		115	120	Yes		5	10	Yes	
		Monitoring Point B (Killalea Regional Park, Shell Cove)		115	120	Yes		5	10	Yes	
		Monitoring Point A (Rangoon Avenue, Shell Cove)		115	120	Yes		5	10	Yes	
		Monitoring Point B (Killalea Regional Park, Shell Cove)		115	120	Yes		5	10	Yes	
		Monitoring Point A (Rangoon Avenue, Shell Cove)		115	120	Yes		5	10	Yes	
		Monitoring Point B (Killalea Regional Park, Shell Cove)		115	120	Yes		5	10	Yes	
		Monitoring Point A (Rangoon Avenue, Shell Cove)		115	120	Yes		5	10	Yes	
		Monitoring Point B (Killalea Regional Park, Shell Cove)		115	120	Yes		5	10	Yes	
		Monitoring Point A (Rangoon Avenue, Shell Cove)		115	120	Yes		5	10	Yes	
		Monitoring Point B (Killalea Regional Park, Shell Cove)		115	120	Yes		5	10	Yes	
		Monitoring Point A (Rangoon Avenue, Shell Cove)		115	120	Yes		5	10	Yes	
		Monitoring Point B (Killalea Regional Park, Shell Cove)		115	120	Yes		5	10	Yes	

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		Monitoring Point B (Killalea Regional Park, Shell Cove)		115	120	Yes		5	10	Yes	

REGULATORY APPROVALS

Project Approval MP 08_0143

Schedule 3, Condition 7

BLASTING

Blasting Criteria

7. The Proponent **must** ensure that blasting on the site does not cause exceedances of the criteria in Table 3.

Table 3: Blasting criteria

Location	Airblast overpressure (dB(Lin Peak))	Ground vibration (mm/s)	Allowable exceedance
	120	10	0%
Any residence on privately owned land	115	5	5% of the total number of blasts over a period of 12 months

However, these criteria do not apply if the Proponent has a written agreement with the relevant residential owner or infrastructure provider/owner, and the Proponent has advised the Department in writing of the terms of this agreement.

Environment Protection Licence EPL 2193*

Condition L3

L3 Blasting

- L3.1 The ground vibration peak particle velocity from blasting operations carried out at the premises must not exceed:

- a) 5 mm/s for more than 5% of the total number of blasts carried out at the premises during each reporting period; and
- b) 10 mm/s at any time.

At "Monitoring Point A - Blast Monitor" or "Monitoring Point B - Blast Monitor" as labelled on the aerial photo titled 'Bass Point Quarry EPA Monitoring Locations' dated 17 April 2019.

- L3.2 The airblast overpressure level from blasting operations at 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.

At "Monitoring Point A - Blast Monitor" or "Monitoring Point B - Blast Monitor" as labelled on the aerial photo titled 'Bass Point Quarry EPA Monitoring Locations' dated 17 April 2019.

* Available on the POEO Public Register via [this link](#)