

BASS POINT QUARRY EPL-2193 LICENCE CONDITIONS - Blast Monitor Results



Date	Time	Blast Location	Blast #	Monitor Location	Air Blast dBL	Ground Vibration mm/sec	Comments	EPA contact
19/01/2021	11:00	West Pit RL 18 West	671	Rangoon Ave Shellcove	102.8 dBL	0.86 mm/s		
				Killalea State Park	101.9 dBL	0.371 mm/s		
27/01/2021	11:00	West Pit RL 18 West	672	Rangoon Ave Shellcove	105.5 dBL	2.70 mm/s		
				Killalea State Park	102.8 dBL	1.15 mm/s		
3/02/2021	11:01	West Pit RL 18 West	673	Rangoon Ave Shellcove	106.5 dBL	3.511 mm/s		
				Killalea State Park	103.5 dBL	1.393 mm/s		
12/02/2021	10:58	West Pit RL 18 South	674	Rangoon Ave Shellcove	107.5 dBL	2.643 mm/s		
				Killalea State Park	107.0 dBL	0.861 mm/s		
19/02/2021	11:33	East Pit RL 45 South	675	Rangoon Ave Shellcove	107.0 dBL	0.885 mm/s		
				Killalea State Park	111.8 dBL	0.319 mm/s		
26/02/2021	11:11	West Pit RL 18 West	676	Rangoon Ave Shellcove	103.5 dBL	2.153 mm/s		
				Killalea State Park	101.9 dBL	0.924 mm/s		
5/03/2021	11:05	West Pit RL 18 West	677	Rangoon Ave Shellcove	107.5 dBL	2.836 mm/s		
				Killalea State Park	104.2 dBL	0.955 mm/s		
12/03/2021	11:03	West Pit RL 18 South	678	Rangoon Ave Shellcove	107.5 dBL	3.032 mm/s		
				Killalea State Park	109.9 dBL	0.776 mm/s		
19/03/2021	11:00	West Pit RL 18 West	679	Rangoon Ave Shellcove	107.5 dBL	1.061 mm/s		
				Killalea State Park	101.9 dBL	0.374 mm/s		
30/03/2021	12:06	West Pit RL 18 West	680	Rangoon Ave Shellcove	106.5 dBL	3.147 mm/s		
				Killalea State Park	100.0 dBL	1.190 mm/s		
1/04/2021	13:07	East Pit RL 45 South	682	Rangoon Ave Shellcove	106.5 dBL	0.558 mm/s		
				Killalea State Park	108.8 dBL	0.332 mm/s		
9/04/2021	11:05	West Pit RL 18 West	681	Rangoon Ave Shellcove	101.0 dBL	4.225 mm/s		
				Killalea State Park	102.8 dBL	1.826 mm/s		
23/04/2021	11:02	West Pit RL 18 West	683	Rangoon Ave Shellcove	104.2 dBL	2.675 mm/s		
				Killalea State Park	104.0 dBL	1.26 mm/s		
30/04/2021	11:35	West Pit RL 18 South	684	Rangoon Ave Shellcove	110.2 dBL	1.136 mm/s		
				Killalea State Park	110.9 dBL	0.529 mm/s		
7/05/2021	12:58	West Pit RL 18 South	685	Rangoon Ave Shellcove	113.8 dBL	1.644 mm/s		
				Killalea State Park	106.5 dBL	1.027 mm/s		
17/05/2021	10:59	West Pit RL 18 West	686	Rangoon Ave Shellcove	105.5 dBL	2.460 mm/s		
				Killalea State Park	101.9 dBL	1.132 mm/s		
24/05/2021	10:59	West Pit RL 18 East	687	Rangoon Ave Shellcove	109.5 dBL	1.487 mm/s		
				Killalea State Park	107.5 dBL	0.580 mm/s		
31/05/2021	9:03	West Pit RL45 North	688	Rangoon Ave Shellcove	107.5 dBL	1.378 mm/s		
				Killalea State Park	97.50 dBL	0.500 mm/s		
4/06/2021	13:00	West Pit RL 18 East	689	Rangoon Ave Shellcove	106.0 dBL	0.572 mm/s		
				Killalea State Park	108.8 dBL	1.957 mm/s		
11/06/2021	11:00	West Pit RL 18 West	690	Rangoon Ave Shellcove	103.5 dBL	2.721 mm/s		
				Killalea State Park	102.8 dBL	1.417 mm/s		
21/06/2021	11:02	West Pit RL 18 West	691	Rangoon Ave Shellcove	102.8 dBL	2.083 mm/s		
				Killalea State Park	101.0 dBL	0.841 mm/s		
25/06/2021	11:03	West Pit RL 18 North	692	Rangoon Ave Shellcove	101.0 dBL	1.565 mm/s		
				Killalea State Park	113.8 dBL	1.173 mm/s	Wind affected trigger	
7/07/2021	11:00	West Pit RL 18 South	693	Rangoon Ave Shellcove	108.0 dBL	1.432 mm/s		
				Killalea State Park	< 88 dBL	0.390 mm/s	Reading less than trigger point	
14/07/2021	11:04	West Pit RL 18 South	694	Rangoon Ave Shellcove	101.0 dBL	2.976 mm/s		
				Killalea State Park	104.8 dBL	1.760 mm/s		

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28/07/2021	11:00	West Pit RL 18 South	695	Rangoon Ave Shellcove	102.8 dBL	1.891 mm/s		
				Killalea State Park	101.0 dBL	1.192 mm/s		
4/08/2021	11:03	West Pit RL 45 North	696	Rangoon Ave Shellcove	<115.0 dBL	0.962 mm/s	Wind affected trigger after event	
				Killalea State Park	101.9 dBL	0.623 mm/s		
11/08/2021	11:22	West Pit RL 18 South	697	Rangoon Ave Shellcove	<115.0 dBL	1.331 mm/s	Wind affected trigger after event	
				Killalea State Park	103.5 dBL	1.227 mm/s		
2/09/2021	11:02	West Pit RL 18 North	698	Rangoon Ave Shellcove	<114.2 dBL	2.715 mm/s	Wind affected trigger after event	
				Killalea State Park	<113.3 dBL	2.055 mm/s		
8/09/2021	11:01	West Pit RL 18 North	699	Rangoon Ave Shellcove	101.9 dBL	1.921 mm/s		
				Killalea State Park	102.8 dBL	0.722 mm/s		
15/09/2021	10:56	West Pit RL 45 North	700	Rangoon Ave Shellcove	111.9 dBL	1.466 mm/s		
				Killalea State Park	95.92 dBL	0.744 mm/s		
22/09/2021	11:07	West Pit RL 18 North	701	Rangoon Ave Shellcove	108.9 dBL	1.815 mm/s		
				Killalea State Park	107.5 dBL	0.703 mm/s		
29/09/2021	11:03	West Pit RL 18 North	702	Rangoon Ave Shellcove	101.9 dBL	1.978 mm/s		
				Killalea State Park	109.5 dBL	0.969 mm/s		
6/10/2021	11:01	West Pit RL 18 North	703	Rangoon Ave Shellcove	105.5 dBL	1.665 mm/s		
				Killalea State Park	104.2 dBL	0.702 mm/s		
20/10/2021	13:02	West Pit RL 18 North	704	Rangoon Ave Shellcove	111.5 dBL	1.780 mm/s		
				Killalea State Park	107.5 dBL	0.505 mm/s		
22/10/2021	12:01	West Pit RL 18 North / West	705	Rangoon Ave Shellcove	103.5 dBL	2.011 mm/s		
				Killalea State Park	102.8 dBL	0.620 mm/s		
29/10/2021	11:59	West Pit RL 45 North	706	Rangoon Ave Shellcove	112.0 dBL	1.645 mm/s		
				Killalea State Park	106.0 dBL	0.544 mm/s		
3/11/2021	11:01	West Pit RL 18 North / West	707	Rangoon Ave Shellcove	109.5 dBL	1.673 mm/s		
				Killalea State Park	114.2 dBL	0.950 mm/s	Wind affected trigger after event	
11/11/2021	11:06	West Pit RL 18 North	708	Rangoon Ave Shellcove	104.9 dBL	2.595 mm/s		
				Killalea State Park	105.7 dBL	0.590 mm/s		
17/11/2021	11:32	West Pit RL 18 North	709	Rangoon Ave Shellcove	112.3 dBL	1.966 mm/s		
				Killalea State Park	112.5 dBL	0.08 mm/s		
24/11/2021	12:02	West Pit RL 18 North	710	Rangoon Ave Shellcove	104.2 dBL	1.770 mm/s		
				Killalea State Park	100.0 dBL	0.749 mm/s		
1/12/2021	11:08	West Pit RL 18 West	711	Rangoon Ave Shellcove	104.2 dBL	2.428 mm/s		
				Killalea State Park	103.5 dBL	1.351 mm/s		
8/12/2021	11:01	West Pit RL 18 North	712	Rangoon Ave Shellcove	113.3 dBL	1.641 mm/s	Wind affected trigger prior to event	
				Killalea State Park	104.9 dBL	0.753 mm/s		
15/12/2021	11:08	West Pit RL 45 North	713	Rangoon Ave Shellcove	105.5 dBL	1.656 mm/s		
				Killalea State Park	104.2 dBL	0.862 mm/s		

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

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
Any residence on	120	10	0%
			5% of the total number

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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.					privately owned land	115	5	of blasts over a period of 12 months

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.

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.