

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
17/01/2020	11:00	West Pit RL 32 North	633	Rangoon Ave Shellcove	110.60 dBL	2.537 mm/s		James Crawford
				Killalea State Park	100.00 dBL	1.051 mm/s		James Crawford
24/01/2020	10:00	West Pit RL 18 Dropcut	634	Rangoon Ave Shellcove	108.80 dBL	3.551 mm/s		James Crawford
				Killalea State Park	102.80 dBL	2.078 mm/s		James Crawford
7/02/2020	11:00	West Pit RL 18 South	635	Rangoon Ave Shellcove	113.10 dBL	3.078 mm/s		James Crawford
				Killalea State Park	104.20 dBL	1.087 mm/s		James Crawford
14/02/2018	10:00	West Pit RL 18 Dropcut North	636	Rangoon Ave Shellcove	DNM	DNM	Monitoring Equipment failed to register blast due to monitors not	James Crawford
				Killalea State Park	DNM	DNM		James Crawford
21/02/2018	11:00	West Pit RL 18 South East	637	Rangoon Ave Shellcove	117.4 dBL	1.375 mm/s		James Crawford
				Killalea State Park	110.20 dBL	0.700 mm/s		James Crawford
28/02/2018	11:00	West Pit RL 18 Dropcut	638	Rangoon Ave Shellcove	108.40 dBL	2.410 mm/s		James Crawford
				Killalea State Park	107.50 dBL	0.966 mm/s		James Crawford
6/03/2020	11:00	West Pit RL 18 South	639	Rangoon Ave Shellcove	112.00 dBL	2.181 mm/s		James Crawford
				Killalea State Park	104.90 dBL	2.050 mm/s		James Crawford
10/03/2020	11:00	West Pit RL 45 East Trim Shot	640	Rangoon Ave Shellcove	109.20 dBL	0.242 mm/s		James Crawford
				Killalea State Park	107.50 dBL	0.144 mm/s		James Crawford
13/03/2020	11:00	West Pit RL32 South Trim Shot 4T	641	Rangoon Ave Shellcove	97.50 dBL	0.237 mm/s		James Crawford
				Killalea State Park	98.84 dBL	0.614 mm/s		James Crawford
18/03/2020	11:02	West Pit RL32 South Trim Shot 4T	642	Rangoon Ave Shellcove	105.50 dBL	0.784 mm/s		James Crawford
				Killalea State Park	102.8 dBL	0.985 mm/s		James Crawford
27/03/2020	10:59	West Pit RL 18 Dropcut	643	Rangoon Ave Shellcove	112.8 dBL	2.118 mm/s		James Crawford
				Killalea State Park	109.9 dBL	0.764 mm/s		James Crawford
9/04/2020	11:02	West Pit RL 18 Dropcut	644	Rangoon Ave Shellcove	104.9 dBL	2.767 mm/s		James Crawford
				Killalea State Park	102.9 dBL	1.24 mm/s		James Crawford
1/05/2020	11:22	West Pit RL 18 Dropcut	645	Rangoon Ave Shellcove	105.5 dBL	4.436 mm/s		James Crawford
				Killalea State Park	109.9 dBL	1.831 mm/s		James Crawford
27/05/2020	11:01	West Pit RL32 South Trim Shot	646	Rangoon Ave Shellcove	109.2 dBL	0.986 mm/s		James Crawford
				Killalea State Park	109.5 dBL	0.312 mm/s		James Crawford
12/06/2020	11:13	West Pit RL 18	647	Rangoon Ave Shellcove	104.9 dBL	3.651 mm/s		James Crawford
				Killalea State Park	102.8 dBL	1.92 mm/s		James Crawford
18/06/2020	11:01	West Pit RL 18	648	Rangoon Ave Shellcove	104.2 dBL	3.064 mm/s		James Crawford
				Killalea State Park	103.1 dBL	1.41 mm/s		James Crawford
29/06/2020	11:03	West Pit RL 18	649	Rangoon Ave Shellcove	104.2 dBL	3.060 mm/s		James Crawford
				Killalea State Park	88.8 dBL	1.43 mm/s		James Crawford
3/07/2020	11:00	West Pit RL 18	650	Rangoon Ave Shellcove	104.2 dBL	2.507 mm/s		James Crawford
				Killalea State Park	98.84 dBL	1.010 mm/s		James Crawford
9/07/2020	11:04	West Pit RL 18	651	Rangoon Ave Shellcove	104.9 dBL	1.937 mm/s		James Crawford
				Killalea State Park	101.9 dBL	0.898 mm/s		James Crawford
24/07/2020	11:06	West Pit RL 18	652	Rangoon Ave Shellcove	101.9 dBL	2.337 mm/s		James Crawford
				Killalea State Park	104.2 dBL	1.303 mm/s		James Crawford
31/07/2020	11:05	West Pit RL 18	653	Rangoon Ave Shellcove	110.6 dBL	1.449 mm/s		James Crawford
				Killalea State Park	100.0 dBL	0.981 mm/s		James Crawford
19/08/2020	12:57	West Pit RL 18	654	Rangoon Ave Shellcove	104.90 dBL	3.063 mm/s		James Crawford
				Killalea State Park	102.80 dBL	0.325 mm/s		James Crawford
28/08/2020	11:04	West Pit RL 18	655	Rangoon Ave Shellcove	108.4 dBL	1.338 mm/s		James Crawford
				Killalea State Park	104.9 dBL	1.003 mm/s		James Crawford
4/09/2020	11:02	West Pit RL 18	656	Rangoon Ave Shellcove	108.0 dBL	2.443 mm/s		James Crawford
				Killalea State Park	101.0 dBL	1.364 mm/s		James Crawford
10/09/2020	10:58	West Pit RL 18	658	Rangoon Ave Shellcove	91.48 dBL	0.272 mm/s		James Crawford
				Killalea State Park	108.0 dBL	0.175 mm/s		James Crawford
15/09/2020	11:00	West Pit RL 18	657	Rangoon Ave Shellcove	106.5 dBL	2.086 mm/s		James Crawford

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18/09/2020	11:01	West Pit RL 18	659	Killalea State Park	104.9 dBL	0.864 mm/s		James Crawford
				Rangoon Ave Shellcove	104.2 dBL	3.405 mm/s		James Crawford
2/10/2020	12:10	West Pit RL 18	660	Killalea State Park	97.50 dBL	0.947 mm/s		James Crawford
				Rangoon Ave Shellcove	107.5 dBL	0.548 mm/s		James Crawford
9/10/2020	11:04	West Pit RL 18	661	Killalea State Park	106.5 dBL	0.808 mm/s		James Crawford
				Rangoon Ave Shellcove	111.8 dBL	0.741 mm/s		James Crawford
16/10/2020	13:40	West Pit RL 18	662	Killalea State Park	> 88dbl < 115dbl	1.958 mm/s		James Crawford
				Rangoon Ave Shellcove	106.0 dBL	2.607 mm/s		James Crawford
30/10/2020	10:55	West Pit RL 18	663	Killalea State Park	101.0 dBL	1.171 mm/s		James Crawford
				Rangoon Ave Shellcove	111.2 dBL	1.474 mm/s		James Crawford
6/11/2020	11:31	West Pit RL 18	664	Killalea State Park	104.9 dBL	0.794 mm/s		James Crawford
				Rangoon Ave Shellcove	110.2 dBL	1.714 mm/s		James Crawford
12/11/2020	10:26	West Pit RL 18	665	Killalea State Park	101.9 dBL	1.204 mm/s		James Crawford
				Rangoon Ave Shellcove	109.2 dBL	1.155 mm/s		James Crawford
23/11/2020	11:06	West Pit RL 18	666	Killalea State Park	106.0 dBL	0.883 mm/s		James Crawford
				Rangoon Ave Shellcove	102.8 dBL	3.13 mm/s		James Crawford
27/11/2020	11:02	West Pit RL 18	667	Killalea State Park	<88 dBL	0.17 mm/s		James Crawford
				Rangoon Ave Shellcove	109.2 dBL	1.19 mm/s		James Crawford
2/12/2020	11:02	West Pit RL 18	668	Killalea State Park	104.2 dBL	0.75 mm/s		James Crawford
				Rangoon Ave Shellcove	106.5 dBL	2.472 mm/s		James Crawford
9/12/2020	11:03	West Pit RL 18	669	Killalea State Park	109.5 dBL	1.301 mm/s		James Crawford
				Rangoon Ave Shellcove	103.5 dBL	1.336 mm/s		James Crawford
16/12/2020	11:00	West Pit RL 18	670	Killalea State Park	104.2 dBL	4.093 mm/s		James Crawford
				Rangoon Ave Shellcove	107.0 dBL	2.822 mm/s		James Crawford
				Killalea State Park	111.5 dBL	0.956 mm/s		James Crawford

Environment Protection Licence 2193 (EPL-2193)

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.

Project Approval 08_0143

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 privately owned land	120	10	0%
	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.