WALLERAWANG QUARRY

BLAST REPORT No: 23

Date	9th September 2020
Blast Contractor	Premier Drill & Blast
Quarry Operator	Walker Quarries

Monitor Readings

1	Location	Hwy Intersection
	Ground Vibration	0.80 mm/sec
	Over Pressure	101.9 dB(L)
2	Location	Dam Wall
	Ground Vibration	0.57 mm/sec
	Over Pressure	105.5 dB(L)
3	Location	Residence
	Ground Vibration	0.69 mm/sec
	Over Pressure	106.5 dB(L)
4	Location	Dam Wall Residence
	Ground Vibration	0.81 mm/sec
	Over Pressure	101.9 dB(L)

In accordance with Condition 2.7 & 2.8 of DA 344-11-2001, the air-blast overpressure and ground vibration impact assessment criteria will be as presented in Tables 2.2 and 2.3.

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Table 2.2: Air blast overpressure impact assessment criteria

Air blast overpressure level (db(Lin Peak))	Allowable exceedance
115	5% of the total number of blasts over a period of 12 months
120	0%

Note: The air blast overpressure values in Table 2.2 apply when the measurements are performed with equipment having a lower cut-off frequency of 2 Hz or less. If the instrumentation has a higher cut-off frequency a correction of 5 dB should be added to the measured value. Equipment with a lower cut-off frequency exceeding 10 Hz should not be used.

Table2.3 Ground vibration impact assessment criteria

Peak particle velocity (mm/s)	Allowable exceedance
5	5% of the total number of blasts over a period of 12 months
10	0%