



# WALLERAWANG QUARRY

## BLAST REPORT No: 40

Date	27 <sup>th</sup> March 2024
Blast Contractor	Premier Drill & Blast
Quarry Operator	Walker Quarries

### Monitor Readings

1	Location	Hwy Intersection
	Ground Vibration	1.18 mm/sec
	Over Pressure	110.2 dB(L)
2	Location	Dam Wall Crest
	Ground Vibration	0.59 mm/sec
	Over Pressure	108.4 dB(L)
2	Location	Dam Wall Spill Way
	Ground Vibration	0.06 mm/sec
	Over Pressure	108.0 dB(L)
3	Location	Residence
	Ground Vibration	1.16 mm/sec
	Over Pressure	106.0 dB(L)
4	Location	Dam Wall Residence
	Ground Vibration	0.75 mm/sec
	Over Pressure	109.9 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.

**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.*

**Table 2.3 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%