



# WALLERAWANG QUARRY

## BLAST REPORT No: 9

Date	23 <sup>rd</sup> October 2017
Blast Contractor	Orica
Quarry Operator	Walker Quarries

### Monitor Readings

	Location	Hwy Intersection
1	Ground Vibration	No Trigger
	Over Pressure	No Trigger
2	Location	Dam Wall
	Ground Vibration	No Trigger
	Over Pressure	No Trigger
3	Location	Residence
	Ground Vibration	Did Not Trigger
	Over Pressure	Did Not Trigger

Note: Texcel Monitors were set to trigger at 100 dBL (Air Blast) and 0.51 mm/sec (ground vibration) The Blast at Wallerawang Quarry was not sufficient to 'trigger' the Monitors (Brendan Wood – Orica Quarry Services)

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%