

WALLERAWANG QUARRY

BLAST REPORT No: 3

Date	19 th November 2014
Blast Contractor	Premier
Quarry Operator	Dukes Earthmoving

Monitor Readings

1	Location	House (1)
	Ground Vibration	0.740mm
	Over Pressure	97.5 db(L)
2	Location	House (2)
	Ground Vibration	1.020mm
	Over Pressure	95.9 db(L)
3	Location	Gas Pipeline
	Ground Vibration	0.570 mm
	Over Pressure	104.5 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%