

WALLERAWANG QUARRY

BLAST REPORT No: 6

| | |
|------------------|--------------------------|
| Date | 4 th May 2016 |
| Blast Contractor | Premier |
| Quarry Operator | Dukes Earthmoving |

Monitor Readings

| | | |
|---|------------------|------------------------|
| 1 | Location | Cnr Barton Ave |
| | Ground Vibration | 0.77mm |
| | Over Pressure | 110.6 db(L) |
| 2 | Location | Residence Forest Ridge |
| | Ground Vibration | 0.62 mm |
| | Over Pressure | 108.0 db(L) |
| 3 | Location | - |
| | Ground Vibration | - |
| | Over Pressure | - |

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% |