

NOISE MONITORING CARRIED OUT ON THE 8TH AUGUST 2006 AT CALGA QUARRY

On the 8th August 2006 noise monitoring was carried out at Selected residents around the Calga quarry from 5am to 10am.

Noise monitoring was undertaken using a Bruel & Kjaer types 2238 Mediator. The noise meter was calibrated before use; no significant system drift was noted over the measurement period.

PERSONELL CONDUCTING MEASUREMENTS

Noise monitoring was carried out by Craig Millikan, an employee of Rocla Quarry Products.

READINGS TAKEN DURING MONITORING

Location	Parameter to be analysed	Criteria (Day)	Criteria (Night)	Reading
CN – 1	L _{Aeq} (15min)	41		40.5
	L _{A1} (1min)		35	33.4
CN – 2	L _{Aeq} (15min)	40		39.7
	L _{A1} (1min)		35	33.9
CN – 3	L _{Aeq} (15min)	39		38.9
	L _{A1} (1min)		35	33.8
CN - 4	L _{Aeq} (15min)	35		33.7
	L _{A1} (1min)		35	31.4

Monitoring conducted showed that there were no parameters exceeded.

EQUIPMENT IN USE DURING MONITORING

When monitoring was conducted on the 8th August (day hours) the following equipment was in operation.

- Komatsu 475A Bulldozer
- Cat 330C Excavator
- Cat 740 Dump truck

When monitoring was conducted on the 8th August (night hours) no equipment was in operation.

WEATHER CONDITIONS

On the say of monitoring average wind speed was 1.61m/s and the dominant direction was WSW.