

GREAT WHITE KAOLIN PROJECT

NOISE

Noise emanating from the mine during construction and operation will not exceed EPA standards (2007) or relevant Australian Standards.

Resonate Consultants have undertaken a Noise Impact Assessment on the Proposed Development. Results are as follows:

- The Project area is characterised as typically quiet, as expected of a remote rural location.
- Existing noise is largely generated by local farming activities (particularly during harvest periods) and distant traffic.
- The region has been surveyed to identify potential noise sensitive receivers that may experience operational noise generated by the Project site.

Noise limits are set in accordance with the EPA's Environment Protection (Noise) Policy 2007 (EPP).

CONSTRUCTION NOISE LIMITS

Construction activities are regulated under Part 6, Division 1—Construction noise of the Noise EPP, which requires all reasonable and practicable measures to be taken to minimise noise. Construction activity that is within an average sound level (Leq) of 45dB(A) and a maximum (Lmax) of 60dB(A) at the closest receptor can occur at any time.

If construction activities results in noise that exceeds these limits, the activity:

- must not occur on a Sunday or other public holiday, and
- must not occur on any other day, between 7pm and 7am.

¹ dB(A) means units of the A-weighted sound level. A-weighting means a spectrum adaption that is applied to measured noise levels to represent human hearing. A-weighted levels are used as human hearing does not respond equally at all frequencies.

OPERATIONAL NOISE LIMITS

Mining activities are regulated under Part 4 – General noise control provisions of the Noise EPP. The relevant criteria for this development will be the average of the indicative noise factors for the source and receivers. The application of Part 4 results in the following environmental noise criteria for all receivers:

- 57dB(A) during the day, 7am to 10pm
- 50dB(A) at night, 10pm to 7am.

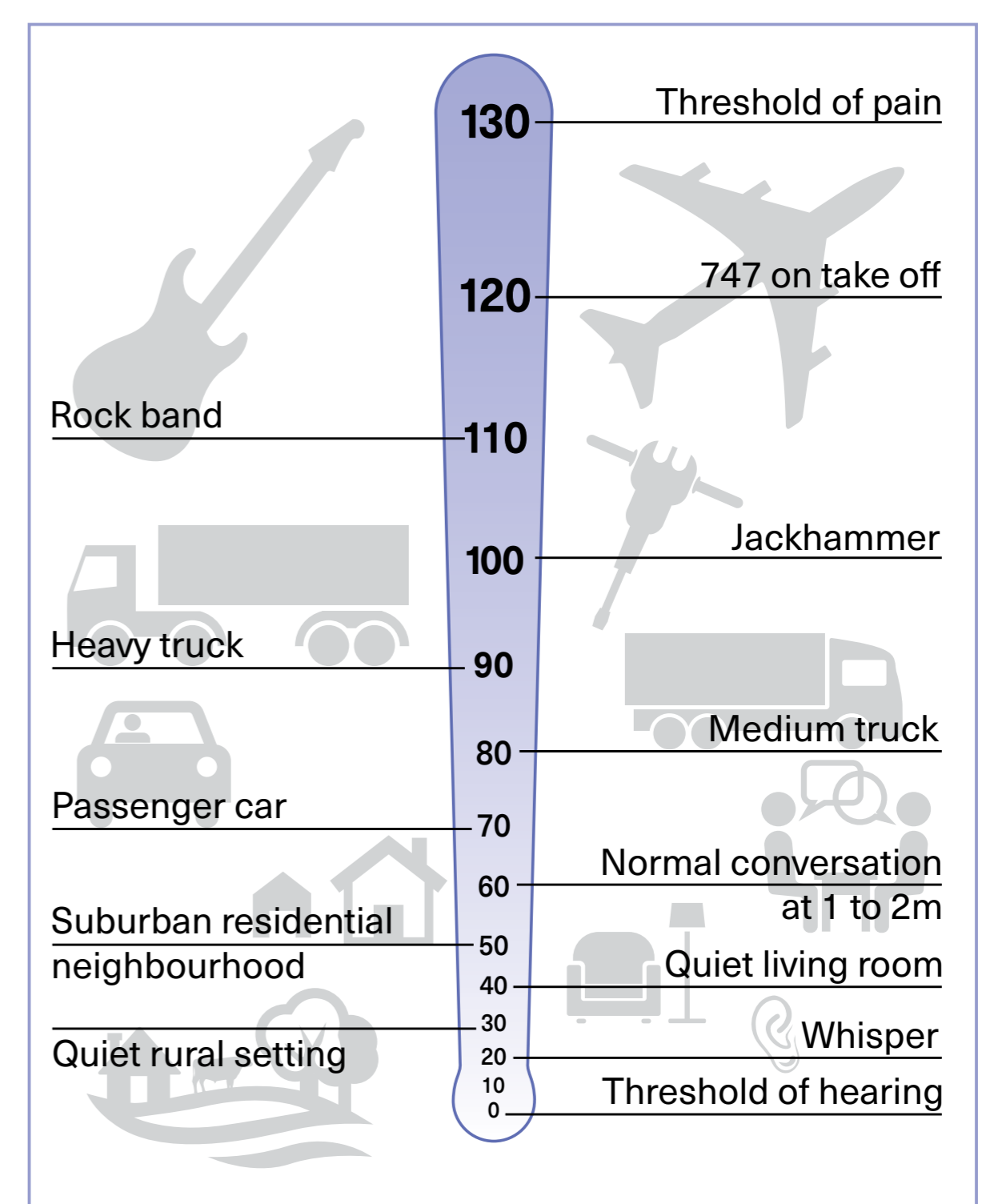
Blasting (conducted on an as needs basis) will be governed by Australia Standard AS 2187.2 – 2006 *Explosives – Storage and use – Use of explosives*. The relevant criteria is:

- 115dB for 95% of all blasts per year and
- 120dB maximum, unless a higher level is agreed upon.

NOISE SOURCES

Potential noise sources include:

- operation of mobile plant (excavator/s and trucks)
- vehicle movements
- blasting (as required)
- operation of wet processing plant (Stage Two)
- power generation.



Decibel scale.

NOISE MANAGEMENT

Noise generation will be managed by:

- selecting low noise producing equipment wherever possible including:
 - gas turbine power generation over diesel alternatives,
 - broadband noise reversing alarms (non-beeper type)
 - ensuring appropriate noise attenuation fitted.
- ensuring equipment shut down if not operated
- regular servicing of plant and equipment
- distributing stockpiles to assist with noise shielding
- scheduling particularly noisy activities to commence after 7am where reasonable and practicable to do so.