



AVONBANK PROJECT
WEBINAR NO. 5

NOISE AND VIBRATION IMPACT ASSESSMENTS

QUESTIONS AND ANSWERS

Reversing beepers on machinery would appear to be one of the most annoying things. How is that considered in the study?

Every piece of equipment makes multiple types of noise when in use. For example, an excavator generates noise from the engine, the rolling tracks, the bucket when in use, and the motion alarm (reversing beeper).

The parameters included in our noise model consider the *entire activity* and use of piece of equipment, not just the engine noise.

In an active mine site, there is the potential to avoid excessive reversing, that is, maximising the forward motion of the equipment.

In addition, there is the option to utilise a ‘squash duck’ alarm, which generates a broadband alarm sound. These types of alarms are on a lower register than the traditional high pitch beep-beep-beep and consequently are less annoying.

Equipment motion alarms are considered as a part of parameters, and in the mitigation and management of the mine site.

What level of community engagement has happened with communities with respect to traffic, particularly Cavendish?

Extensive discussions were held with the project’s traffic specialist to determine the worst- and best-case scenarios. From a computational perspective, modelling for the entire the length of the road transport route from mine site to port was unfeasible. The selection of locations with loudest and quiet environments thus provided the worst- and best-case scenarios.

The report and impacts are now in the process of being discussed with the relevant communities.

These questions and comments were raised during the Avonbank Project’s noise and vibration webinar, held on Wednesday, 18th August 2021.

Moderator: Paul Atherton, CRG Chair

Presenters: Nathan Baker, ERM
Michael Davies, Community and Land Liaison Officer



CONTACT

More information on the Avonbank Project may be accessed via the website www.wimresource.com.au.

If you have a question raised by a past webinar or would like to submit a question for one of the upcoming webinars, please email admin@wimresource.com.au