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Noise
Peer Review



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18 June 2015
Ref: J0130-101-L3

Hansen Bailey Pty Ltd
P.O. Box 473
SINGLETON NSW 2330

Attn: Mr Nathan Cooper

Dear Nathan,

**RE: PEER REVIEW OF BYLONG COAL PROJECT –
FINAL REVIEW OF NOISE AND BLASTING IMPACT ASSESSMENT REPORT**

Thank you for your instructions to review the final *Bylong Coal Project – Noise and Blasting Impact Assessment* (NBIA) prepared by Pacific Environment Limited (PEL).

Earlier noise model files and a draft version of the NBIA have previously been reviewed and the following previous review reports were prepared:

- Initial review of noise model files prepared on 20 January 2015; and
- Second review of amended noise model files and draft assessment report prepared on 6 May 2015.

This review report considers the following files and report versions:

- Noise model files dated 29 April 2015; and
- Final NBIA report dated 15 May 2015.

REVIEW RESULTS

Only minor issues that have no significant impact on the results or conclusions were identified in this final review. These issues have been described to ensure the results and conclusions presented in the NBIA are correctly interpreted. Issues are listed in the order they arise in the NBIA.

Section 5.4.1, Table 5-2 The sound power levels before mitigation, and the indicated noise reductions to achieve the mitigation levels, appear to be understated. This implies some mitigation is already included in the 'base case' for some source types, therefore noise reductions due to adopted mitigation measures would be more significant than indicated in this table.

The mitigated sound power levels reflect current best available technology, therefore the assessment is appropriate.

Appendix C2 Table C-2 The number of modelled haul truck sources does not match the number of sources included in the noise model. The listed number of sources reflects the truck fleet before the utilisation rates were applied. For example, the table indicates a total of 19 haul trucks have been modelled in the year 2018, however the model includes 14 haul trucks which considers the 75% truck utilisation rate.

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The noise model correctly reflects the proposed equipment fleet including the listed utilisation rates, therefore the results presented in the NBIA are correct.

No errors or omissions were identified that would significantly compromise the assessment's results or conclusions.

CONCLUSION

The review indicated all results and conclusions presented in the Bylong Coal Project – Noise and Blasting Impact Assessment are appropriate and can be considered to reliably indicate the acoustic impacts likely to occur from the Bylong Coal Project.

Yours faithfully,

BRIDGES ACOUSTICS



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