

# ACOUSTIC LOGIC CONSULTANCY

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ATTN: KATE HARRIS

## PROPOSED ILLAWARRA REGIONAL BUSINESS PARK – RESPONSE TO QUERIES

Acoustic Logic Consultancy (ALC) Pty Ltd has reviewed the issues raised by respondents regarding the Part 3A Application of the proposed Illawarra Regional Business Park Development. Responses have been presented in bullet point form for clarity below.

- The ALC acoustic assessment of the proposed Illawarra Regional Business Park Development has been assessed using the methodology and assessment criteria as recommended by the Environment Protection Authority (EPA) in its New South Wales Industrial Noise Policy which is an up to date tool for the assessment and control of noise from industrial and commercial premises. Furthermore, the policy sets out a process to assess noise impact, potential noise mitigation strategies and describes a procedure for predicting, assessing and measuring noise which is not covered by any of the Shellharbour City Council Development Control Plans. It is noted that noise emissions from vehicle movements arriving and departing from the proposed development have been assessed in accordance with EPA guidelines stated in the *“Environmental Criteria for Road Traffic Noise (1999)”*.
- In order to comply with the EPA NSW Industrial Noise Policy and the EPA Environmental Criteria for Road Traffic Noise (1999), our indicative treatment recommended was to construct a minimum 2.4m high solid imperforate barrier and to be implemented as illustrated in Figure 3 and 4 in Appendix 1 of ALC assessment. The barrier may be constructed from concrete blockwork, Hebel etc ensuring that there are no gaps between panels or at the base of the barrier. The barrier can be combined with mounding to limit the impact on view lines of adjacent properties. To reduce the visual impact on adjacent nearest potentially affected residential receiver, the barrier may also be constructed using plexiglass for the upper portion to reduce perceived visual height. It is noted that the recommendations that were presented in the ALC assessment were only indicative and that final barrier requirements will be dependent upon the proposed operations of the future occupants and the configuration of the buildings.

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- The ALC assessment concluded that provided the recommendations presented are implemented, then noise emissions from the proposed Illawarra Regional Business Park Development will comply with the guidelines presented in the EPA New South Wales Industrial Noise Policy and the EPA Environmental Criteria for Road Noise. It was also noted that limits on noise emissions to prevent any adverse noise impact from mechanical services plant that may be installed as part of the proposed development have been recommended.
- As such the implementation of buffer zones and the zoning of the business park are not required acoustically to comply with the requirements dictated by the EPA New South Wales Industrial Noise Policy and the EPA Environmental Criteria for Road Noise. The practicality of implementing such strategies should be reviewed by a Town Planner and/or the project Architect.

We trust this information is satisfactory. Please contact us should you have any further queries.

Yours faithfully,

A handwritten signature in black ink, appearing to be 'Simon Lappas', written over a light blue rectangular background.

ACOUSTIC LOGIC CONSULTANCY PTY LTD  
Simon Lappas