

20201083.3/1811A/R1/AS

18/11/2021

SH Gosford Residential Pty Ltd  
Level 9  
333 Ann Street  
BRISBANE QLD 4000

Attn: Frank Katsanevas

**North Tower DA 26 Mann Street, Gosford - Response to Submission (RTS)**

This letter will address the following Response to Submission (RTS) for the subject site and associated acoustic report by this office (Reference: 20201083.2/1811A/R4/AS, dated 18/11/2021):

*17. Update the Noise Report to include consideration of loading dock operational noise on future residential properties within the development.*

The loading dock hours are proposed to be between 7am and 10pm.

For future residences within the development, the nearest residential receivers are separated vertically by a number of carpark levels as being located towards the western side of the site, while the loading dock opening is on the eastern side of the site and faces away from the residences. Considering the separation and operating hours the future residences in Stage 1 would not be adversely impacted by normal loading dock operations.

The future stage 2 is located to the south of the subject development. The carpark opening is located below natural ground level meaning that the lower levels of Stage 2 would be screened. The greatest impact would occur at around Level 7 stage 2; the facades of Stage 2 from about level 7 that are located east of the loading dock opening will have line of sight to the loading dock opening.

Noise emissions from loading dock operations have been predicted at these receivers to be 54dB(A) based on a sound power level of a single truck idling at 87dB(A) within the loading dock. Fork lift trucks and motorised pallet jacks would have an emitted sound power level of up to 95 dB(A), but would typically not operate at this sound level for 15 minutes. A duration factor of 5 dB(A) has been applied. This predicted noise level complies with the NSW EPA Noise Policy for Industry (NPfI) (2017) criterion of 56dB(A) for the day and 54dB(A) for the evening periods based on the relevant rating background noise levels measured at the site from monitoring location 1 which is the most relevant to Stage 2.

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We note that noise from smaller trucks and other small vehicles that use the loading dock would be expected to readily comply with the requirements of the NPI when assessed to the future residences within the development.

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

Yours faithfully,

A handwritten signature in black ink that reads "asalazar". The signature is written in a cursive, lowercase style.

Acoustic Logic Pty Ltd  
Alex Salazar