

Dear Lesley

Please see below from the Acoustic Engineer regarding the comment on condition 11.

Thank you.

The façade specifications are based on the target internal noise maxima of L_{AFmax} 45dB not being exceeded more than 10-15 times per night. Our assessment is therefore based on controlling a defined maximum external noise level to $L_{AFmax} \leq 45dB$ inside the bedrooms.

The selection of this maximum external noise level has been based on the environmental noise survey data, attended short-term measurements, and inspection of the surrounding area and bus schedules. The purpose of the survey was not to measure every single noise maxima, but measure the loudest event in an appropriately selected logging period (which in this case was selected as 5 minutes). Any other maxima occurring within each logging period would by definition be lower than the reported value.

For example, on London Road, we have selected an external level of L_{AFmax} 76dB as the design case to be controlled to $L_{AFmax} \leq 45dB$. This is the level typically caused by bus passbys on London Road (which is a bus only road). As a result, each bus passby should be controlled to below the target of L_{AFmax} 45dB. Even if there were more than 1 bus passby in a 5-minute night-time period, the façade specifications should still control both events to $L_{AFmax} \leq 45dB$.

The assessment includes appropriate determination $L_{Amax,F}$ events, and demonstrates that these can be controlled, as per the requirements of Condition 11.

Kind Regards

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Director