Cole Jarman

Mr Andrew Burton
Development Management
Barnsley Metropolitan Borough Council
PO Box 604
Barnsley
S70 9FE

19th August 2013
Ref: 2013/0190/L01-2

Dear Mr Burton,

Dearne Hall Road, Barnsley Planning Ref: 2013/0280
Acoustic Report Ref 13/0190/R01-6

Please find attached our Planning Noise Assessment report for the proposed new residential development at Dearne Hall Road, Barnsley.

A meeting was held on 15th May 2013 to discuss the assessment methodology and the Council's requirements in detail and also to agree the outline form of suitable noise conditions for the development proposal. This noise assessment report has been updated after detailed consultation with both the Environmental Health and the Planning departments of Barnsley Council to ensure that the feedback received from the Council was duly incorporated and addressed.

For clarification regarding the glazing and ventilation proposals forming part of the mitigation strategy we set out some additional information below.

None of the proposed glazing at the site is proposed to be sealed (ie unopenable). A relatively small percentage of the proposed dwellings will require some windows to remain closed for the noise levels within the dwellings to meet the required limits. For these locations an alternative means of ventilation would be made available using acoustically attenuated trickle vents. The provision of openable windows would provide a choice for the future residents. During the day when other sources of noise are capable of providing masking of the low frequency sub-station noise, it may be considered desirable to open the window in preference and they will be able to do this.

Using alternative means of ventilation in this way is not unusual on sites located close to existing noise sources such as Main Roads and Motorways, Railway Lines, Industrial areas and Substations. Planning Guidance Document 24 (Revoked) provided guidance for sites with external noise levels at a level where it is not possible to meet the required internal noise limits with open windows. This is quoted below:

"Noise should be taken into account when determining planning applications and, where appropriate, conditions imposed to ensure an adequate level of protection against noise."

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An example planning condition to control noise levels was also provided within PPG24 and is shown below:

"2. The building envelope of plot number(s) … shall be constructed so as to provide sound attenuation against external noise, not less than …dB(A), with windows shut and other means of ventilation provided."

This guidance shows that using acoustic ventilation to control internal noise levels is suitable and expected within areas with high existing noise levels.

Some example projects where specified alternative means of ventilation were incorporated are shown below. These schemes are all now occupied.

Loncin Mead Avenue: A small housing scheme comprising 4 semi-detached and one detached two storey dwellings located close to the M25. With acoustic trickle vents installed the required internal noise levels have been achieved with windows closed and background ventilation provided.

Ascalon Steet, Battersea: A four storey housing block located close to 12 railway lines. External noise levels measured were up to 63 dB $L_{Aeq,\ 8h}$ so background ventilation was provided through acoustic vents. With the vents installed the required internal noise levels have been achieved with windows closed and background ventilation provided.

Churchill Way West: Residential development located near to Basingstoke town centre with nearby roads and railway noise sources. Acoustic trickle vents have been installed to provide background ventilation with the windows closed. With the vents installed the required internal noise levels have been achieved with windows closed and background ventilation provided.

The Courtyard, Wimbledon: A RIBA award winning four storey residential development located adjacent to railway lines which run into Wimbledon train station. Acoustic trickle vents have been installed to provide background ventilation with the windows closed. With the vents installed the required internal noise levels are achieved with windows closed and background ventilation provided.

We trust that the attached acoustic report suitably sets out the agreed assessment methodology and internal noise design levels and that it also clearly demonstrates how suitable internal noise levels can be achieved within all the proposed dwellings.

Yours sincerely

Matthew Heyes