

Hi Liam

I suggest the following response to the planners regarding their request for more information on the potential noise break-out from the building:

HOW NOISY COULD IT BE?

The Pilot Space and Workshops will contain noisy equipment and the applicant has provided an outline list of equipment with dB values ranging from 80 to 100 dB. This is in keeping with the sort of noise levels we would expect to find in a typical small/medium light industrial workshop (e.g. from hand power-tools). The workshops will only run during daytime hours.

WHAT IS THE SOUNDSCAPE LIKE AT THE NSRs?

The nearest residential properties are located around 250 m north, adjacent to a 4-lane section of the A48, on the opposite side of the mainline railway. The dwellings are already exposed to significant noise from the road, rail and nearby industrial sites in the area.

When undertaking a BS 4142 assessment, the **context of the site** is critical in determining the magnitude of noise impact. Any new industrial noise source introduced into this site context would need generate noise levels well above the background level before it could be categorised as a significant adverse impact.

WHAT IS THE INITIAL NOISE ASSESSMENT RESULT?

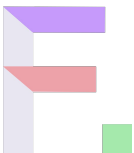
We have undertaken an initial BS 4142 assessment based on the outline noise data provided by the client. A 3D computer noise model has been used to predict the noise break-out via the proposed Rodeca polycarbonate windows to the Pilot Space (because this is the weakest element of the building envelope at R_w 22 dB) and the Pilot Space contains the noisiest equipment.

The model shows noise break-out to be 21 dB at the residential property, compared to a background sound level of 48 dB . Whilst this is only an indicative assessment, the result is so far below background that we did not believe it justified the significant cost and complexity of a full assessment.

For the reasons set out above, the outcome of any detailed assessment is unlikely to be a significant adverse impact and we do not consider it good use of public funds to undertake such an assessment.

Regards,

Paul



Paul Driscoll
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