

From: John Earwood [REDACTED]
Sent: 02 September 2014 12:13
To: [REDACTED]
Cc: Simon Davis
Subject: Barnham Road Express

Sophie

As our conversation:

Comments received as below (responses in red). The revised report is attached:

“Currently there is insufficient information for me to determine this application. Please ask the applicant to address the following points:

1. The acoustic report does not state specifically which property he is assuming is the closest residential property. This is alluded to in 8.2 ‘assessment position’ but not stated. Please ask the acoustic consultant to state the address of the property for avoidance of doubt. Please also ask the acoustic consultant to confirm that they are certain that this is indeed the nearest residential property. Has he taken account of any flats above the commercial premises in this row of shops which may be affected by any potential noise?

The flats are indeed slightly closer, but due to the plant being located against the extension wall to the rear, the greater noise impact will be at the Assessment Position originally selected by the consultant in the report.

2. In any event, the acoustic consultant appears to have assessed to the middle of the chosen residential property. In my opinion this measurement should be to the façade of the building, meaning that the acoustic consultant has added approximately 4m in his calculations. This needs to be rectified.

Yes this appears to be an error. The consultant has rectified this in the revised version of the report attached.

3. The acoustic consultant has stated that none of the proposed noise sources will need a character correction as stated by BS4142. I find this very hard to believe and consider that +5dB will need to be added to the calculations. Please ask the acoustic consultant to address this.

This is incorrect. BS4142:1997 is very specific as to when a +5dB character correction is to be added. Firstly the correction only relates to sounds perceivable at the Assessment position not the Source Position. If the source is inaudible at the Assessment Position character correction is not added (BS4142:1997 Section 8.1). Secondly, if the source is audible, one or more of the acoustic features listed in BS4142:1997 Section 8.2 must be present. As these features have been deliberately engineered out of these particular plant units (for the reason that they are often used near to residential premises) again the character correction may not be added. As an accredited UKAS testing laboratory, we are obliged not to add a correction factor unless both these conditions are met.

4. Each of the noise sources appears to have been assessed in isolation. The worst case scenario would surely be that they would all be working at the same time. Please ask the acoustic consultant to address this within his calculations.

This is incorrect. For the day-time assessment the Assessment Position Sound Pressure Levels (31 dB, 37 dB, 37 dB & 24 dB) are combined to produce the specific noise level for all 4 units (41 dB). At night, only the condenser operates (at a capped speed) producing a maximum of 24 dB.

5. Please ask the applicant to confirm whether there will be a compactor on site. If so, where will it be located?"

This is outside the scope of the report.

If you need me to have a further conversation regarding the above, please send me contact details of the EHO and I will be more than happy to oblige.

Kind Regards
John

Mr. J. D. Earwood, BSC, MBA, MAPM, AMIOA
Director



Quietly confident

Unit 2 Vancouver Wharf, Hazel Road, Southampton, Hampshire SO19 7BN
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