

From: Paul Voller [REDACTED]
Sent: 11 May 2021 17:43
To: Simon Davis <Simon.Davis@arun.gov.uk>
Cc: Joanne Lewis <Joanne.Lewis@arun.gov.uk>
Subject: Re: Tars Farm BN/41/21/DOC

Dear Simon

Further to your email below regarding responding to the points raised by Env Health, please find the response from my consultants (CASS ALLEN) to the six points raised.

As discussed, the Environmental Health Officer has raised 6 points which are addressed in turn below.

1. (and 2.) Loggers were positioned close to the railway which is the noise source identified in the planning condition. The results were distanced corrected to determine noise levels at the site which is common practise within the industry. Attended measurement supplement the unattended measurements to gain spectral data surrounding the site. Attended measurements also allow us to form an objective opinion of the site. Train noise impinging on the site is described in Appendix 2 as distant and quiet at the attended locations.

The length of measurements is to the acousticians discretion, depending on the purpose of the measurement and what is dictating the noise. For example, you would take much shorter measurements to capture an individual train pass than you would to capture background noise levels. In this case, the 4 minute measurements have captured train noise on site suitably and we are confident the survey and results accurately represent the acoustic environment on site.

3. Noise survey results at the northern edge of the site relate to the distance corrected values of logged data. Section 3.9 states the noise levels are at a distance of 170m from the nearest railway tracks - nearest dwelling in the development. Logged positions were approximately 3.5m from the track (Appendix 2), assuming the trainline acts as a line source, the noise level will decay by 3dB per doubling of distance. For maximum noise levels, this will decay by 6dB per doubling of distance. The data from logger position L2 was used in our calculations as this was the higher of the two logging results.
4. (and 5.) Facade calculations were included in the report however when combining the PDF's these were placed after Appendix 4, thank you for bringing this to my attention.
6. Section 3.9 states the train noise levels at the northern edge of the site which are:
 - o Average noise levels during the daytime - 45 dB LAeq,0700-2300hrs;
 - o Average noise levels during the night-time - 41 dB LAeq,2300-0700hrs;
 - o Typical maximum noise levels during the night-time - 50 dB LAmx.

These levels are lower than the BS8233 recommended 50dB lower limit, therefore all gardens are predicted to achieve the BS8233 recommended levels.

Kind Regards
Paul Voller

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From: Simon Davis <Simon.Davis@arun.gov.uk>

Date: Wednesday, 5 May 2021 at 10:27

To: Paul Voller [REDACTED]

Subject: RE: Tars Farm BN/41/21/DOC

Dear Paul,

We have an Env Health response regarding the noise survey. Please view it on our website and respond to me with answers to the questions that are raised.

Kind Regards

Simon J Davis MRTPI
Principal Planning Officer
Directorate of Place



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