

Project : 22 Endell Street, London, WC2H 9AD

Title : Response to Environment Health Comments on Environmental Noise Assessment, dated 09 Sept 20.

Planning Ref: 2020/2580/P

Introduction

Further to the submission of the Environmental Noise Assessment, dated 05/06/20, supporting the above project on the installation of replacement plant at roof level comments have been received from the Environmental Health Officer raising concerns with the assessment.

This note records the concerns raised by Camden and responds to them, clarifying the content of the Noise Assessment and to allay the EHO of the concerns raised.

Camden Comment: As a benchmark, the baseline noise assessment could have been carried out to a higher degree. During Covid, consultants have been advised that historical data as well as DEFRA noise maps could be used as a guideline and this has not been adopted in this assessment. The measurement period of 3 hours (04/06/2020 between 10:00 and 13:00 hours) does not represent the full operating period of the proposed installation.

Paragon Acoustics Comment: Historical information was sought but suitable data could not be found for the site under consideration. The DEFRA noise maps are not suitable for this assessment, as the levels in the document are provided as LAeq noise levels (an energy average over time), whereas noise data required for the setting of limiting plant noise levels is LA90. **As such, the DEFRA noise map document is not appropriate for the setting of plant noise limits.**

On the basis that the purpose of the survey is to provide a typical lowest background noise levels during Covid with reduced footfall, traffic, aircraft overflights etc the background noise levels will be lower, thus providing a safe assessment due to the lower noise limits established. Please note that the measurements were deliberately taken out of rush hour when the noise levels typically increase.

It is stressed that COVID background noise levels are **lower** than background noise levels under normal circumstances, **therefore the assessment is on the safe side.**

Camden Comment: Calculations have been carried out using manufacturers data to predict the resultant sound pressure levels due to airborne transmitted noise outside the nearest exposed noise assessment position and corresponding to the quietest period of plant operation. By using the quietest period of the plant operation is the incorrect assessment to use as the calculations should have been carried out on the maximum operation level of the units.

Paragon Acoustics Comment: To clarify, the quietest plant operational noise levels have not been used. The noise data for the condensers when operating under normal conditions have been used and this is confirmed within the Paragon Acoustic Report, within Section 6.2.

Yours Sincerely



John Gillott MIOA

For and on behalf of Paragon Acoustic Consultants Ltd

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