

**ENVIRONMENTAL HEALTH  
SUPPORTING COMMUNITIES**

<b>To:</b>	<b>Thomas Sild</b> , Planning Officer, Development Management, 5 Pancras Square N1C
<b>From:</b>	<i>Nick Priddle</i> (Noise Officer) BSc (Hons) MSc AIEMA MIOA
<b>Date:</b>	15/5/2018
<b>Site address</b>	29 Hatton Garden LONDON EC1N 8DA
<b>Proposal:</b>	<i>Erection of a replacement shopfront including installation of a security shutter and retractable external blind; Installation of air conditioning unit to rear</i>
<b>Reference:</b>	<b>2018/0829/P</b>
<b>Key Points:</b>	The proposal is <b><u>unacceptable</u></b> in environmental health terms

**ENVIRONMENTAL HEALTH OBSERVATIONS**

The proposal includes the installation of mechanical services plant i.e. an a/c unit at the rear of the application site together with electrically operated applications i.e. (security shutter and sun blind) at the front.

The Environmental Noise Survey and Noise Impact Assessment Report (Ref:1100.01), by dBA Acoustics, dated 23 April 2018 state the following:

- The closest noise sensitive residential receptor(s) are located adjacent to the application site at 28 Hatton Garden and separated from the proposed a/c unit by some 6m.
- The proposed a/c unit, a single Fujitsu (AOYG36LBLA5) has reported sound output levels of 53 dBA cooling & 55 dBA heating at 1m free field, and do not include a tonal component.
- The lowest day and night time background  $L_{A90}$  noise levels were reported to be 45dB.
- The noise assessment, based on survey data and calculation, predicts the Rating level from the a/c unit (corrected for distance attenuation, screening and reflections) impacting neighbouring residents at No 28 Hatton Garden would be 40 dB  $L_{Aeq}$ . It can be seen that the corrected plant noise level i.e. the rating level exceeds the background noise level by minus 5dB.
- The noise assessment makes reference to Policy 28 of Camden Development Policies (2010) and includes a noise criterion of 5dB below

background noise. It should be appreciated Policy 28 (Table E) explains planning permission will not be granted for the levels tabulated, which includes noise levels of  $5\text{dB} < \text{LA}_{90}$ . This margin of separation lies between the LOAEL & SOAEL – Significant Observed Adverse Effect Level.

**The proposal is unacceptable in environmental terms as explained:**

- Policy A4 of Camden Local Plan (2017), requires plant noise (façade level) to be 10dB below the background noise level at the nearest residential receptor. This is considered to be the Lowest Observed Adverse Effect Level (LOAEL).
- The noise assessment demonstrates noise levels impacting neighbouring residents (28 Hatton Gardens) from the proposed a/c unit lie between the LOAEL & SOAEL and do not comply with the plant noise criterion associated with Policy A4.