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 **ENVIRONMENTAL HEALTH**

 SUPPORTING COMMUNITIES

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| **To:** | Connie Marinetto, Planning Officer, Development Management, 5 Pancras Square N1C |
| **From:** | *Camilo Castro-Llach BA (Hons) MSc MIOA (Technical Officer*) |
| **Date:** | 30/07/24 |
| **Address:** | 21 A Brownlow Mews London Camden WC1N 2LA |
| **Proposal:** | installation of 2x new condenser units |
| **Reference:** | ***2024/2065/P*** |
| **Key Points:** | No objection to the proposal in terms of noise. |

# FIXED PLANT NOISE ASSESSMENT OBERVATIONS

**PART 1**

The following documents have been reviewed in preparation for the comments below:

* Planning Compliance Assessment 21 A Brownlow Mews London Camden WC1N 2LA (28226.PCR.01) by KP Acoustics.

**Summary**

A noise impact assessment of the proposed fixed plant equipment has been undertaken in support of the planning application.

* The rear façade of Doughty Street. No.46 is the closest receptor.
* An unattended noise survey was undertaken at the site to determine the prevailing background noise climate. The representative background noise level has been compared against previous surveys to ensure that the data is representative of the area.
* Noise data provided by the equipment manufacturer was included in the noise report.
* An assessment in line with British Standard 4142:2014 was undertaken to assess the significance of the sound impact on nearby sensitive receptors.
* Mitigation measures have been outlined.

**Daytime Assessment**

• Camden’s Noise Policy for “Plant and Machinery” (Appendix 3 of the Local Plan 2017) identifies a Green Design Criterion for plant noise, which is where the noise level is 10dB below background and considered to be at an acceptable level.

• The assessment demonstrates that with mitigation measures the predicted daytime noise levels are below Camden’s Green Design Criterion**, which in turn corresponds to the No Observed Effect Level (NOEL) in terms of NPPF.**

**Night time Assessment**

The proposed plant will not operate beyond 23:00 hrs.

**Mitigation Measures**

To control daytime emissions, The condensers should be located within proprietary acoustic enclosures as specified (or equivalent performance) in the noise assessment. The acoustic enclosure will need to comply with the insertion loss requirements shown in Table 5.3.

Vibration control measures shall include anti-vibration mountings to all equipment.

**Proposed Conditions**

*The external noise level emitted from plant, machinery or equipment at the development with specified noise mitigation hereby approved shall be lower than the typical existing background noise level by at least 10dBA, by 15dBA where the source is tonal, as assessed according to BS4142:2014 at the nearest and/or most affected noise sensitive premises, with machinery operating at maximum capacity and thereafter be permanently retained.*

**Reason:** To ensure that the amenity of occupiers of the development site/ surrounding premises is not adversely affected by noise from mechanical installations/ equipment in accordance with the requirements of policies A1 and A4 of the London Borough of Camden Local Plan 2017

*The condensers (REYQ12-U7Y1B and REYQ16-U7Y1B) shall be sited within acoustic enclosures of the performance as detailed within the Planning Compliance Report (produced by KP Acoustics, ref: 28226.PCR.01). The recommendations of the report shall be adopted in full.*

**Reason:** To ensure that the amenity of occupiers of the development site/ surrounding premises is not adversely affected by noise from mechanical installations/ equipment in accordance with the requirements of policies A1 and A4 of the London Borough of Camden Local Plan 2017

*Prior to use, machinery, plant or equipment at the development shall be mounted with proprietary anti-vibration isolators and fan motors shall be vibration isolated from the casing and adequately silenced and maintained as such.*

**Reason:** To ensure that the amenity of occupiers of the development site and surrounding premises is not adversely affected by vibration in accordance with the requirements of policies A1 and A4 of the London Borough of Camden Local Plan 2017