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 **ENVIRONMENTAL HEALTH**

 SUPPORTING COMMUNITIES

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| **To:** | Matt Kitchener, Planning Officer, Development Management, 5 Pancras Square N1C |
| **From:** | *Camilo Castro-Llach BA (Hons) MSc MIOA (Technical Officer*) |
| **Date:** | 30/07/24 |
| **Address:** | 5 Cannon Place London Camden NW3 1EH |
| **Proposal:** | Installation of air source heat pump unit to side alleyway |
| **Reference:** | ***2024/2656/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:

* Environmental Noise Assessment 5 Cannon Place London Camden NW3 1EH (104626.ph.Issue1) by Acoustics Plus.

**Summary**

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

* The nearest noise-sensitive façade to the proposed units is located at No.3 Cannon Place.
* The sensitive windows of No. 3 have direct line of sight to the units.
* An unattended noise survey was undertaken at the site to determine the prevailing background noise climate. Additional spot measurements were undertaken within the side return extension to ensure the validity of the measurements.
* 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.

**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**

• 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 night time noise levels are below Camden’s Green Design Criterion**, which in turn corresponds to the No Observed Effect Level (NOEL) in terms of NPPF.**

**Mitigation Measures**

To control daytime and night time noise emissions, The air source heat pump units should be located within proprietary acoustic enclosure as specified (or equivalent performance) in the noise assessment. The acoustic enclosure will need to comply with the requirements shown in Diagram 8.

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.*

*The proposed plant shall be installed and constructed to ensure compliance with the limits and mitigation measures identified in the Acoustics Plus Environmental Noise Assessment ref: 104626.ph.Issue1.*

**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