

Subject: FW: H/24/96930 41 CERNE CLOSE, WEST END - Installation of air source heat pump

From: Scott, Neil <Neil.Scott@eastleigh.gov.uk>
Sent: Monday, February 26, 2024 12:14 PM
To: Altman, Rebecca <rebecca.altman@eastleigh.gov.uk>
Subject: H/24/96930 41 CERNE CLOSE, WEST END - Installation of air source heat pump

Thank you for consulting us on the application for an Air Source Heat Pump, ASHP, we have reviewed the information supplied and have the following comments.

The provided MCS020 assessment sheet shows that the ASHP fails the test for Permitted Development.

The information provided does not show how significant noise impact is avoided, or noise impact on the neighbours otherwise minimised.

We recommend that the applicant is requested to provide details showing how the sound rating level* from the ASHP will be reduced to no more than 35 dB at the assessment position (typically the nearest noise sensitive window of the neighbouring dwellings) as per MCS020.

The applicant may wish to:

- employ noise mitigation to reduce the noise level (this could take the form of a non reflective acoustic barrier , enclosure etc) with a specified acoustic performance
- consider options for relocating the unit further from neighbours
- provide details of a noise assessment to show the noise impact more accurately (this would need to be done appropriately and may show a greater impact)
- consider a combination of the above

Until such time that suitable information showing how the noise level above will be achieved, we do not support the application.

Regards

Neil

Note* -

Rating level is the sound level averaged over 15 minutes (LAeq,15mins) from the unit alone at both full duty and when in reverse mode, plus any adjustment for the characteristic features of the sound such as tones, impulsivity and intermittency.

Where the equipment emits sound that contains a prominent tone during its operation or during reverse cycle operation or has a noticeable intermittency then features corrections should be applied, in accordance with the method set out in BS4142:2014+A1:2019, using information provided by the manufacturer.

If the manufacturer cannot provide this information, or it is not sufficient to be able to determine the correction, it is recommended that a feature correction of 6dB is added to the calculated sound pressure level in order to obtain the rating level. This adjustment assumes the maximum tonal penalty that is found in BS 4142:2014+A1:2019.

Neil Scott

Senior Pollution Control Officer

Planning & Environment - Pollution

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