

Osmond, Gary

From: Panza, Yacklin
Sent: 09 April 2024 13:02
To: Osmond, Gary
Subject: [H/24/96942] 4 SUNDAYS HILL CLOSE, HEDGE END, SOUTHAMPTON, SO30 0AR - Pollution comments
Attachments: heat-pumps-briefing-note-professional-advice-note.pdf

Hello Gary,

Thanks for consulting the Pollution Team on the application H/24/96942 for the installation of an air-source heat pump at 4 Sundays Hill, Hedge End, SO30 0AR.

We have reviewed the provided MCS 020 Noise Assessment for the ASHP and note that it shows that the unit fails the test, as the noise level from the ASHP is 46 dB which is significantly higher than the assumed background noise level. On this basis we would not recommend that the application be approved unless the applicant can provide an adequate noise impact assessment that demonstrates that significant adverse noise impacts can be avoided, and noise impacts managed to acceptable levels.

As general information, the noise standard to be met at the nearest sensible receptor according to the MCS020 assessment is 42dB. This assessment does not take into account the spectral content/frequency or any tonal characteristics of the noise and uses a default background noise level of 40dB rather than a measured background level. Therefore, despite meeting this standard, it is not uncommon for ASHPs to give rise to complaints after they have been installed. If the noise from an ASHP is causing a statutory nuisance, despite meeting the MC20 standards, the council has a duty in law to take action to try and abate the nuisance. This is the reason why we recommend taking a precautionary approach.

I have attached the IOA and CIEH Professional Advice Note on Heat Pumps which gives further guidance.

Regards,

Yacklin

Yacklin Panza

Pollution Control Specialist

Planning & Environment - Pollution

Ext.: 8058

Mobile: 07557 327776