[redacted]

Sent: 21 August 2025 14:56
[redacted]
Subject: RE: Planning consultation notification 25/01053/HHFUL

Hi Robyn

Planning Ref: 25/01053/HHFUL
Env Health Ref: 411991

8 The Paddocks, Hilton, Huntingdon PE28 9QT
Installation of stand alone air source heat pump to side

I have reviewed the extra information relating to the ashp and am now satisfied the sound level would be acceptable.

Best regards,
Aaron

Huntingdonshire DISTRICT COUNCIL

Aaron Morley BSc(Hons) MSc(EngGeol) MSc(EnvHealth) PGDip(Acous) FGS MCIEH CEnvH EHRB REnvH AFPH

Environmental Health Officer
[redacted]

CEnvH Chartered Environmental Health Practitioner

Certified Carbon Literate

[redacted]

Hi Aaron,

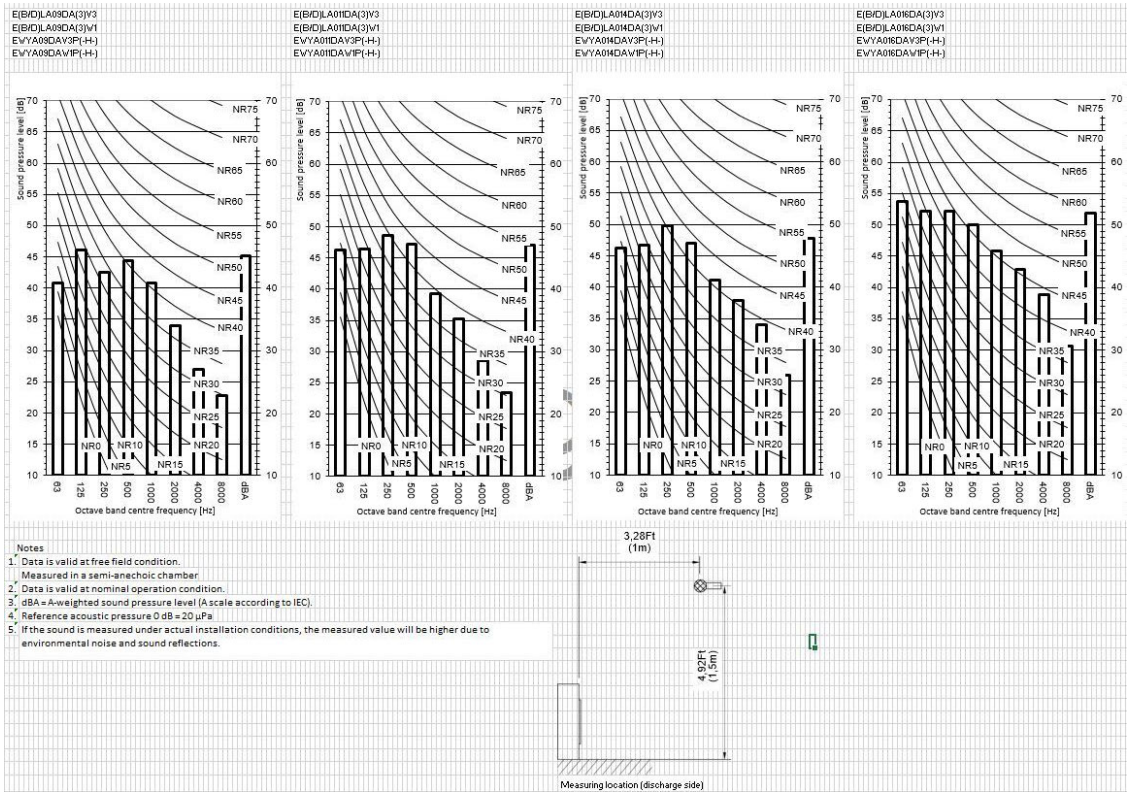
Thank you for your comments on the above application. I contacted the agent for the application, and they have submitted the below details:

Thank you for your comments regarding the EDLA16D3V37 air source heat pump (ASHP) and the associated Microgeneration Certification Scheme (MCS) noise calculation. We appreciate the opportunity to provide additional information to address the points raised.

We have reviewed your comments and would like to clarify two key aspects of the unit's acoustic performance, based on testing data provided by the manufacturer, Daikin.

1. Sound Power Level
The sound power level of 62 dBA provided in our documentation is accurate and represents the maximum possible sound output of the EDLA16D3V37 unit. This value is not misleading. It is derived from comprehensive testing by the manufacturer that includes the most demanding operating cycles, such as defrost, disinfection, and operation in sub-zero temperatures. Therefore, the 62 dBA figure accurately reflects the loudest possible state of the unit and is not an underestimation of its sound performance.

2. Tonality and Other Sound Characteristics
We have attached the octave band analysis for the EDLA16D3V37, which you are supplying to the council, to address your request for information on potentially distinctive sound characteristics such as tonality. The data, provided by Daikin, confirms that the unit does not exhibit any tonal characteristics.



As you can see from the provided sound spectrum, the unit's noise is a broadband spectrum without any prominent peaks at specific frequencies. A tonal sound would appear as a significant spike (at least 5 dB above the average of the adjacent octave bands) within the spectrum. As the data clearly shows, this is not the case for our unit. This confirms that the sound output is consistent across frequencies and is not likely to be perceived as a distinct, annoying hum or whine.

According to the manufacturer's notes on the test data, the measurements were taken in a semi-anechoic chamber to ensure accuracy and to eliminate any environmental noise.

We trust that this additional information, along with the attached octave band analysis, will address your concerns and provide the necessary details for an informed decision. We are confident that the unit's acoustic performance is well within acceptable limits, and we believe this new information will facilitate a resolution without the need for a more detailed noise assessment.

Is this information enough for you to be able to make further comments?

Many thanks,

Robyn

[redacted]

[redacted]

Hi Robyn

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A Microgeneration Certification Scheme (MCS) air source heat pump noise calculation has been undertaken and has shown that the predicted sound pressure level at the nearest noise sensitive receptor is likely to exceed the noise limit set out in the guidance. In this case, we would normally request a more detailed noise assessment and mitigation, however as this is a borderline case, we should first request further information about the ASHP.

The ASHP specification identifies one value; the sound power level of 62dBA during heating. This can often be misleading as it may not be expressed in accordance with a recognised test standard or relate to the noisiest operating mode, such as can occur during reverse cycles. Furthermore, information about potentially distinctive sound characteristics such as tonality or intermittency of operation have not been reported. This information should be provided before an informed decision can be made.

Best regards,
Aaron

Huntingdonshire DISTRICT COUNCIL

Aaron Morley BSc(Hons) MSc(EngGeol) MSc(EnvHealth) PGDip(Acous) FGS MCIEH CEnvH EHRB REnvH AFPH

Environmental Health Officer
[redacted]

CEnvH Chartered Environmental Health Practitioner

Certified Carbon Literate

-----Original Message-----
From: Dmadmin@huntingdonshire.gov.uk <Dmadmin@huntingdonshire.gov.uk>
Sent: 24 June 2025 09:28
To: Environmental Health <Environmental.Health@huntingdonshire.gov.uk>
Subject: Planning consultation notification 25/01053/HHFUL

Dear Sir/Madam

Please find correspondence from Development Management at Huntingdonshire District Council attached to this email in relation to the following application for Planning Permission.

Proposal: Installation of stand alone air source heat pump to side

Site address: 8 The Paddocks Hilton Huntingdon

Reference: 25/01053/HHFUL

Huntingdonshire DC Development Management