

Planning Application Reference: APP/25/01040

Description: Proposed amendments to Unit 7 to include:

East Elevation: New Windows to Ground Floor and First Floor and changes to existing window design.

South Elevation: 3 No. Exhaust vents, 2 No. Louvre vents and oven room vent.

West elevation: New First Floor windows, 2 No. Louvre vents.

Location: Unit 7, Langstone Technology Park, Langstone Road, Havant, PO9 1SA

The submitted Noise Impact Assessment identified that a minimum attenuation of 8 dB is required to achieve compliance with BS4142 criteria. While duct attenuation and/or silencers are proposed, no detailed acoustic design has been provided to demonstrate that the selected mitigation will achieve the required level of noise reduction.

The submitted silencer technical data is generic and relates to a range of products of varying diameters, lengths and insulation thicknesses. No specific unit has been selected, and no calculation has been provided to demonstrate the expected insertion loss for the proposed installation.

The Syntegra Noise Impact Assessment does not include octave or 1/3 octave band sound power data for the plant. As silencer performance is highly frequency dependent, particularly with limited attenuation at low frequencies, it is not possible to determine whether the proposed mitigation would be effective across the relevant frequency range. This is of particular concern given the identified low frequency characteristics of the plant noise.

In the absence of spectral data and a detailed silencer selection and performance calculation, the effectiveness of the proposed mitigation cannot be verified.

It is acknowledged that the level of attenuation required is relatively modest (8 dB), which is likely achievable by an appropriately specified silencer. However, further information is required to demonstrate this.

It is therefore recommended that the applicant be required to provide the following information before the application is determined, to demonstrate the proposed noise mitigation measures shall be sufficient:

- Octave or 1/3 octave band sound power levels for all plant.
- Identification of specific silencer(s) to be used.
- A revised BS4142 assessment demonstrating compliance with the proposed mitigation applied.

Kind regards,

Craig Milligan

Environmental Health Officer

Environmental Health , Havant Borough Council, Public Service Plaza,
Civic Centre Road, Havant, PO9 2AX