

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 vents.

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

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

The Syntegra Consulting Technical Note (TN) entitled 'Subject: Mitigation Calculations of Extraction Fans | Ref 26-16285' has been reviewed.

The TN includes modelled spectral data for a centrifugal fan noise source. However, the derived spectral sound data do not indicate a low-frequency-dominated source as suggested by the original report. The highest sound power levels within the derived spectrum occur in the 500 Hz and 1 kHz octave bands.

Furthermore, the TN applies the insertion loss to the spectral frequency data but then reverts back to a single figure A-weighted predicted noise level at receptors, instead of presenting the predicted spectral noise data at the receptor.

It is unclear how the figure of -23dB attenuation has been derived due to the ducting and fan attenuator arrangement.

Despite the above points, it is accepted that the information requested has been provided and the acoustic consultant's assessment indicates low impact at the nearest receptors.

I am therefore satisfied that the submitted information is sufficient for the application to proceed with regards to noise concerns.

However, given the remaining uncertainty in the modelled outcome as outlined above, the following conditions are recommended requiring noise from plant not to exceed the background levels and post completion noise testing to demonstrate there shall be no resultant adverse noise impact at the nearest sensitive receptor.

Industrial noise rating limit

The cumulative rating level (L_{Ar},Tr) of noise emitted from all fixed plant and equipment associated with the development shall not exceed the typical background level derived in the Syntegra Consulting Plant Noise Assessment reference: 26-16285 measured at the nearest noise-sensitive receptor, or at an agreed representative location, when assessed in accordance with BS 4142:2014+A1:2019.

That is, 48dB L_{Ar}, 1hr between 07:00hrs - 23:00hrs.

Measurements or calculations shall be undertaken in free-field conditions at the boundary of the nearest noise-sensitive receptor or an agreed representative location with any appropriate noise characteristic penalties applied.

Reason: to protect residential amenity

Post completion noise testing

A post-completion noise validation survey shall be undertaken by a suitably qualified acoustic consultant and submitted to the Local Planning Authority for approval within 2 months of the plant becoming operational.

The survey shall:

- Confirm that the plant installed corresponds to the models and sound power levels detailed in the Syntegra Consulting Plant Noise Assessment reference: 26-16285.
- Demonstrate that the rating level of noise from the plant at the nearest noise-sensitive receptor does not exceed 48 dB LAr,Tr, as predicted in the report, and
- Demonstrate that low frequency noise generated by the approved plant does not result in adverse impact to the nearest sensitive receptor.

Where the survey identifies that the rating level exceeds 48 dB or that the installed mitigation does not sufficiently attenuate noise from the plant, further mitigation measures shall be agreed with the Local Planning Authority and further implemented on site to an agreed timetable and further verified to achieve compliance before continued operation of the plant. The final mitigation measures shall thereafter be maintained on site to the satisfaction of the Local Planning Authority for the duration of the life of the equipment.

Reason: to protect the amenity of occupiers of nearby premises

The following condition is also recommended to restrict construction hours.

Construction Hours

Construction of the development including site traffic and deliveries shall only be carried out between 8:00 am and 6:00 pm Mondays to Fridays and 8:00 am and 1:00 pm on Saturdays and at no time on Sundays and Public Holidays

Reason: To ensure that the amenities of the area are not detrimentally affected by the construction of the site outside reasonable working times

Please include the following informative note on the Decision Notice.

Informative – Environmental Permits and Atmospheric Emissions

The applicant/occupier is advised that separate environmental controls may apply to activities undertaken at the site. It is the responsibility of the operator to ensure that any necessary permits, consents, licences or approvals required in relation to atmospheric emissions arising from operations at the premises are obtained from the relevant regulatory authority prior to commencement of the activity. Compliance with any planning permission granted does not remove the need to obtain any separate environmental authorisations where required.

Kind regards,

Craig Milligan

Environmental Health Officer

Environmental Health