

From: Wedgbury, Stuart
Sent: 12 June 2024 09:01
To: Morris, Rachael
Subject: F/24/97314- 82 ST JOHNS ROAD, HEDGE END, SOUTHAMPTON, SO30 4DF

Dear Rachel

F/24/97314- 82 ST JOHNS ROAD, HEDGE END, SOUTHAMPTON, SO30 4DF- Erection of a four-bedroom bungalow with associated parking, storage, and amenity space. Our Ref-PR202406-104833

Thank you for consulting Environmental Health upon the above application. I comment only upon environmental noise. I have two comments to make.

1. It is unclear from the application what external fixed plant/equipment is proposed and whether it could have an impact upon neighbouring amenity due to noise emission.

In the submitted site plan (Ref PO7-C) a 'deep bore ground source heat pump @ 80-150 meters deep is shown adjacent to neighbouring properties. No further information is on file. In a separate, later email reference is made to an air source heat pump and details are provided of a Invertech CE-iVT9 model, but the position of the plant is not shown on the submitted plans. It is assumed that the proposal has changed to now install an air source heat pump.

Installation of air source heat pumps should be carried out to comply with MCS020 ([MCS-020.pdf](#) ([mcscertified.com](#))) to ensure that it does not exceed the permitted development noise limit of 42dBA at an assessment point 1 meter external to any fenestration serving any habitable room in a neighbouring property. So, to establish if this is likely to be the case, the following information is required:

- The position of the air source pump; its relationship to hard surfaces (so that directivity can be calculated); its relationship to neighbouring fenestration and distances to the assessment point; its relationship to any solid barriers (so that any barrier effects can be considered).
- The maximum A weighted Sound Power Level (L_{WA}) of the plant. The submitted details show the 'average' sound power level)

With this information it should be possible to establish if the proposal would meet the MCS standard.

Finally, I have seen reference to a 'package sewage treatment plant' on the application form (although connection to mains drainage is also ticked). If a package treatment plant including powered equipment (such as biodiscs for example or aeration plant) is proposed further details would be required to assess whether this could have an impact upon neighbouring amenity.

Should the position or design of any such plant not be critical to your in principle planning decision, these matter could be dealt with by condition once we have clarity on the proposals. I can draft a suitable condition if required.

2. To mitigate the impact of noise on neighbour's amenity during the development phase, I recommend that construction hours are time limited to the EBC standard in any consent that is granted.

Regards

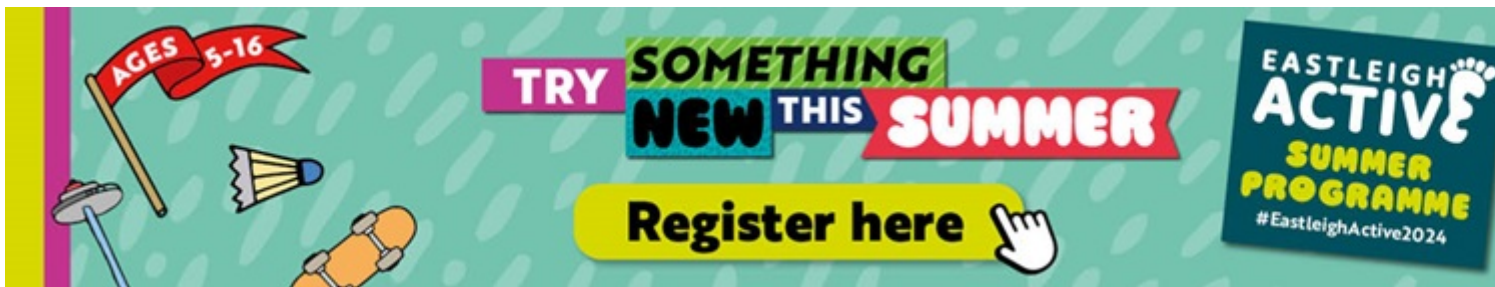
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