

Planning Application Reference: APP/25/00895

Description: Discharge of Conditions 5, 27 and 32 and part Discharge of Condition 30 of Planning Permission APP/24/00405

Location: Pipeline from proposed reservoir near Middle Park Way to Bedhampton Pumping Station, Meyrick Road, Havant

Condition 5 - Noise Insulation and Temporary Rehousing Policy

I am satisfied that the revised policy addresses my previous comments.

However, further information is required with regards to properties that shall be impacted by night time noise during the 24 hour works at shaft W2 during the under track crossing tunnelling works.

The HTR-WAB-PI-ZZ-RP-W-0015_S61 Construction Noise & Vibration Assessment predicts that noise at the worst affected property shall be 66dB LAeq, 10hr through the night. It is likely that all properties on Beaufort road that back onto the W2 site shall experience similar noise levels.

A simple noise propagation calculation indicates that properties on Ingledene close shall experience facade noise levels of >50dB LAeq, 10hr through the nighttime works.

Due to the anticipated intermittent nature of noise from the works, it is expected that there shall be periods overnight that are louder than the averages identified above.

Whilst the BS5228-1 eligibility criteria for noise insulation or temporary rehousing shall not be met due to the works taking place for less than 10 consecutive days in any 15, the predicted noise levels (particularly for residents on Beaufort Road) introduce strong likelihood of sleep disturbance (when compared to WHO Night Noise Guidelines for Europe, 2009) and impact to quality life, causing SOAEL as detailed in the NPSE.

As such, the applicant must implement means to avoid giving rise to SOAEL as far as reasonably practicable. It seems that this can only be achieved by offering temporary rehousing to dwellings exposed to noise levels that are likely to cause sleep disturbance. The provision of noise insulation would be disproportionately intrusive to protect residents for the duration of the night-time works - two separate periods of 7 days.

The applicant is therefore requested to provide the following further information.

- A clear explanation of the façade noise level at which SOAEL is considered likely to occur during night-time works. This must be supported by relevant guidance (e.g., WHO Night Noise Guidelines, NPPF/NPPG Noise hierarchy, NPSE effect levels) and grounded in professional acoustic judgement.
- Details identifying all properties that are predicted to exceed the SOAEL noise threshold
- Map with 50dB LAeq, 10hr noise contour for night time works at W2
- A written commitment confirming that all dwellings predicted to exceed the SOAEL threshold will be invited to apply for temporary rehousing, regardless of BS5228 duration criteria.
This invitation must be issued at least 20 weeks before the night-time tunnelling begins and must explicitly state that sleep disturbance is likely for up to 7 nights per work phase.
- A copy of the draft correspondence intended for eligible residents, to be provided to the LPA for approval prior to issue.

The above additional information is required before Condition 5 can be considered satisfied.

Kind regards,

Craig Milligan

Environmental Health Officer