

15 June 2022

Dear Sir/Madam,

WSP has been appointed to provide a noise assessment for a proposed new building on the Jaguar Land Rover Halewood site. The proposed development is predominantly B2 with ancillary B8; 70% Body in White (automobile assembly) and 30% material planning and logistics storage.

With regard to the proposed development, Jaguar Land Rover have confirmed the following:

- No external plant and equipment to be installed;
- No intensification of existing noise sources, e.g. HGVs, car parking;
- No unattenuated openings from the internal plant room;
- Two external goods lifts are proposed but will only be used infrequently.

Figure 1 below, shows a sketch of the site plan for the development. This figure shows the redline boundary (red outline), building location (blue outline) and internal plant room (yellow box).

The nearest residential properties are located on Clough Road at a minimum of 110m south of the proposed building and 210m south of the internal plant room location. Speke Boulevard runs between the Jaguar Land Rover site and the properties on Clough Road.

Existing road traffic noise levels at the nearest residential properties are predicted to be approximately 65 dB $L_{Aeq,16h}$ (daytime) and 55 dB L_{night} (night). These noise levels are taken from the Defra strategic noise mapping (Round 3). Figure 2 and Figure 3 show the predicted daytime and night-time road traffic noise levels from the Defra strategic noise mapping (Round 3).

The building is not expected to introduce new external noise sources, with the exception of the plant room extract and the external goods lifts. There will be no unattenuated openings from the plant room and the external goods lift will only be used infrequently.

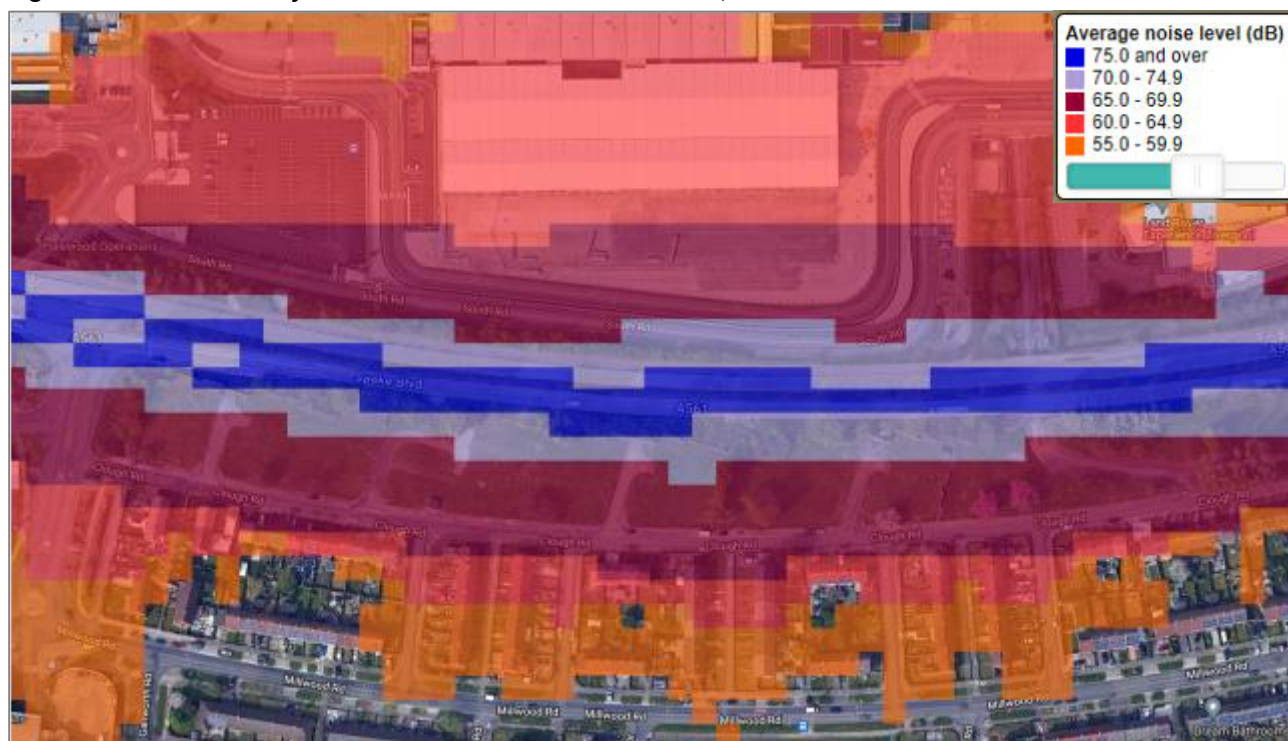
Given the points noted above and the distance to the closest receptors, it is expected that noise breakout from the plant room will be below existing noise levels at sensitive receptors, such that no adverse noise impacts occur.

Yours faithfully

Figure 1: Site plan

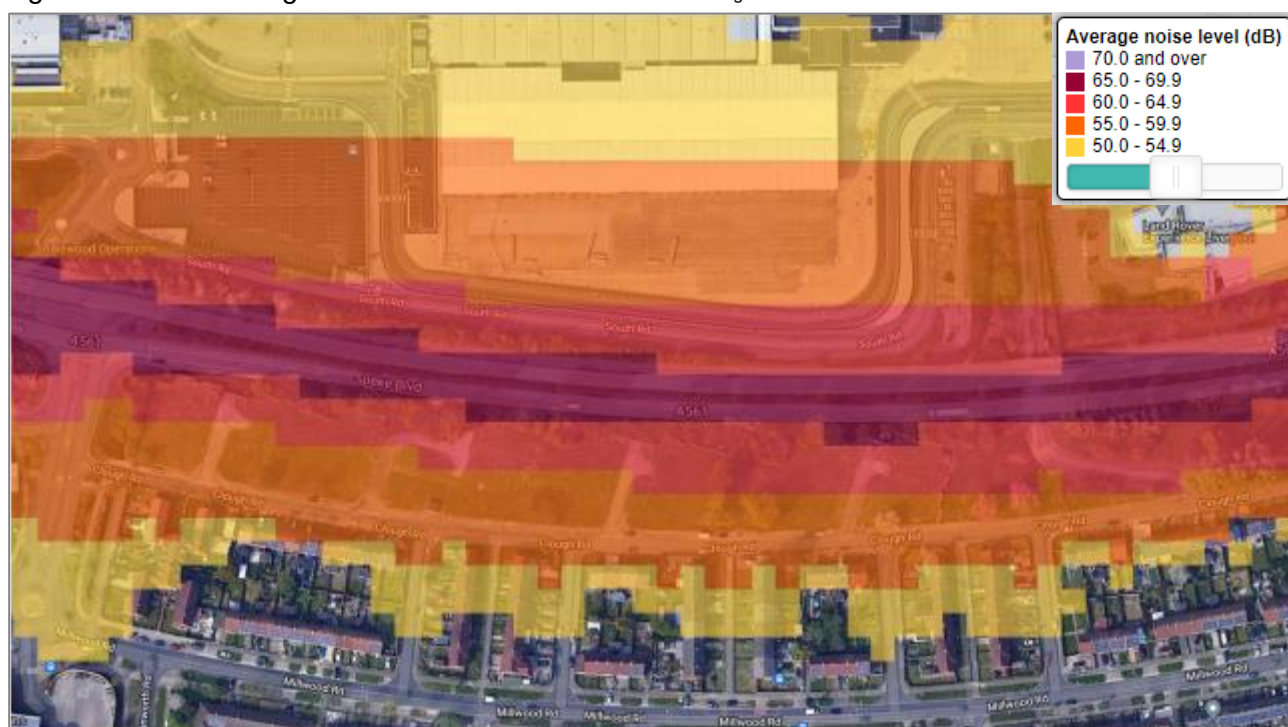


Figure 2: Predicted daytime road traffic noise levels $L_{Aeq,16h}$ dB



Source: Defra strategic noise mapping, Round 3

Figure 3: Predicted night-time road traffic noise levels L_{night} dB



Source: Defra strategic noise mapping, Round 3

