



# Noise from Supermarkets

Developers working on behalf of Tesco Stores applied for planning permission to develop a site for a local food store. The proposed store was located near existing houses, some of which directly overlooked the site.

An Environmental Noise Impact Assessment was conducted as part of the planning application. This included a background noise survey for daytime and night-time and surveys at similar sites to confirm likely source estimates.

Noise levels from the proposed food store were predicted using a complex noise model. The main noise source was from service yard activity. The results from the prediction exercise were used to inform the selection of appropriate noise mitigation measures including:

- . Fitting silencers to air handling units;
- . Relocation of refrigeration plant;
- . Re-orientation of the service yard; and
- . Specifying a docking station at the loading bay.

These measures ensured that the store could operate 24 hours per day, if required. The design solution ensured that the local planning authority had no objections to the scheme on the grounds of noise.

The noise from road traffic generated by the development was assessed in accordance with the standard Department of Transport Method Calculation of Road Traffic Noise 1988. This concluded that the increase in road traffic noise was likely to be insignificant.

