

## **Executive Summary – Acoustic Report**

### **Purpose of Report**

- Noise assessment prepared by Inacoustic to support a planning application for the regularisation of CT Lewis Ltd's storage/haulage yard at Trojan Close, Swansea.
- Assessment based on on-site noise monitoring and 3D acoustic modelling.

### **Site & Proposed Use**

- Site located within an established industrial area surrounded by a DHL depot, engineering works, recycling centre, chemical works, haulage yard and vehicle maintenance businesses.
- Closest residential properties are on Baldwins Crescent to the south.
- Proposal seeks to regularise B8 storage use, with ancillary office and maintenance workshop activities.
- Operations include storage of HGVs, trailers and vehicles, with generally low levels of activity (typically no more than one HGV arrival and departure per hour).
- Although a 24-hour permission is sought, night-time activity is expected to be infrequent. Reverse alarms would be deactivated at night.

### **Existing Noise Environment**

- Noise survey undertaken between 6–8 January 2026.
- Existing sound environment is dominated by:
  - Traffic noise from Fabian Way.
  - Noise from surrounding industrial and commercial activities.
- Background noise levels (LA90):
  - Daytime: 47–48 dB
  - Evening: 35–36 dB
  - Night-time: 34–35 dB
  - Early morning: 44–46 dB

### **Operational Noise Assessment**

- Assessment modelled a worst-case operational scenario including:
  - HGV arrivals and departures.

- Workshop activities.
- Electric forklift operation.
- Occasional night-time HGV movement.
- A bund that will be topsoiled and have wild flower spread, has been proposed along the southern boundary to not extend the buffer zone but also assist with acoustic reduction and screening barrier for nearby residents.

#### **Assessment Findings (BS4142)**

- Predicted operational noise levels at residential receptors are significantly below existing background noise levels.
- Even at the closest receptor, the calculated rating level is:
  - 10 dB below background during daytime.
  - 8 dB below background during evening.
  - 6 dB below background at night.
- BS4142 indicates that where rating levels do not exceed background noise, the impact is generally considered low.
- The assessment concludes a "Low Impact" at all nearby residential properties during daytime, evening and night-time operations.

#### **Consultant's Conclusions**

- Storage use is considered an inherently quiet activity because stored items are generally static.
- Noise from vehicle movements and maintenance activities is not expected to be acoustically significant.
- No significant increase in the prevailing ambient noise environment is predicted.
- The report states that noise should not be considered a material constraint to planning permission, subject to appropriate operational controls and planning conditions if required.

#### **Summary**

- The acoustic consultant concludes that the proposed/regularised CT Lewis storage yard will have a low noise impact on nearby residents, with predicted operational noise levels remaining below existing background noise levels, and therefore should be acceptable from a noise perspective for planning purposes.