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O F F I C E		

To: Tanya Coggon, Development Management

From: Matthew Rogerson, Environmental Protection Team

Your Ref: PA/2023/1034

Our Ref: PLU 007890

Subject: Outline planning permission for a change of use of existing vacant brownfield commercial land to residential housing land and erect up to 34 dwellings and associated roads, driveways, gardens, landscaping and boundary treatments with all matters reserved for subsequent consideration - AMENDED DOCUMENTS - Submission of a Noise Assessment, Updated Viability Assessment, new indicative layout, indicative floor plans, indicative elevations, indicative street scenes and amended description of the development

Location: 51-55 Waterside Road (Former Osgerby Haulage and Warehousing) Waterside Road, Barton Upon Humber, DN18 5BH

Date: 03 June 2024

Further to our previous memo dated 13 February 2024, additional information has been received.

Noise

I can confirm this department has received and reviewed the following report.

- E2 Consultants Limited, Noise Impact Assessment of 51 – 55 Waterside Road, Barton upon Humber, DN18 5BG, Dated: March 28, 2024.

Following this departments memo dated 13 February 2024 further noise monitoring was undertaken on 12 March 2024. The additional monitoring was undertaken at two locations, the Bush Tyres Yard opposite the development site and within the development site on the western side.

The monitoring at Bush Tyres was undertaken over a 15-minute period and the report notes that no other obvious plant or industrial noise was affecting the site. The onsite monitoring was undertaken over a 1-hour period where many impulsive noise sources

were noted. These could not be pinpointed; however, the report concludes that these were caused by reversing alarms.

The residual noise level was recorded as 50.3dBA $L_{Aeq,15min}$ and the specific noise level for the reversing alarms was calculated at 77dBA $L_{Aeq,15min}$ at the perimeter of the proposed development. This was then used to model the impact of the noise on the proposed dwellings within the development.

A BS4142 assessment has been undertaken. The specific sound level has been modelled and calculated at 74dBA on the western façade of the southwest buildings. A feature correction of +4dB has been added for a tonal feature for the reversing alarms. This gives a rating level of 78dBA with a difference of 28dB above background which indicates a **significant adverse impact**.

The report then suggests that rearranging the site layout so parking areas were closest to the noise source instead of garden areas would reduce the impact at sensitive locations to between -3dB to +2dB above background.

Additionally, the report suggests that the use of the proposed 2.1m fencing and the proposed glazing would mean that there would be no adverse impact on residents close to the boundary with the industrial developments.

This department has the following comments to make on the above assessment:

- Two days of monitoring during December 2023 have been removed due to poor weather conditions. Therefore, there is only one day and night providing background and ambient data for the site. This is not considered to be representative.
- The report states monitoring has been undertaken over an entire weekend and weekday however the dates of the monitoring include three weekdays, two of which have been removed. No weekend monitoring has been undertaken.
- During the monitoring on 12 March 2024 reversing alarms were noted, the source of these alarms was not identified. These were not identified during the initial monitoring in December 2023. The source and frequency of this noise source has not been investigated.
- BS4142 requires an assessment of the sources of noise. This includes a description of the main sound sources and of the specific sounds, the hours of operation, the mode of operation, a description of the premises, and subjective impressions which includes dominance or audibility of the sound, and the main sources. This has not been included in the report.
- The report states that the noise monitored for the BS4142 assessment was impulsive in nature, however, no penalty for impulsivity was added, additionally, no justification for not including this penalty has been included.

- The BS4142 assessment appears to have been carried out based on a 1 hour monitoring period on the development site and 15 mins at Bush Tyres. It is not clear whether this would be representative of the noise experienced on the site.
- A recommendation has been made to swap the garden and driveway areas of the properties on the western side of the development. It is not clear whether the habitable spaces have been changed. There is no assessment of internal noise impact following the BS4142 assessment.
- The report states that with the relocation of the gardens of the western properties the noise levels in the external amenity areas -3dB to +2dB above background. However, it is unclear how this has been calculated and there appears to be no assessment of the impact on the external amenity spaces in this new location.
- The report uses the following Section of ProPG:

'a relatively quiet, protected, publicly accessible, external amenity space (e.g. a public park or a local green space designated because of its tranquility) that is nearby (e.g. within a 5 minutes walking distance).'

Element 3 also states that good acoustic design should be considered so external spaces can be enjoyed as intended.

Therefore, at this stage, this department has insufficient information to determine whether noise would be an issue at the proposed site, and whether the proposed mitigation measures would be effective to control noise impacting the site.