

## ATTACHMENT E5 – NOISE EMISSIONS

Noise at the existing waste recovery facility is generated by HGV truck movements in and out of the facility and by earthworks equipment (bulldozers and mechanical excavator) during the backfilling phase. There are no fixed point source noise emissions at the recovery facility at Huntstown Quarry.

Noise monitoring in and around the application site and Huntstown quarry complex indicates that average ambient noise levels in the local area typically range between 60dBA  $L_{Aeq}$  and 75dBA  $L_{Aeq}$ , depending on location and proximity to the N2 Dual Carriageway or M50 motorway and the frequency of overhead aircraft movements along the flight path leading in and out of Dublin Airport. These noise levels are consistent with daytime levels in busy urban areas close to heavily trafficked roads.

Additional HGV movements and operation of additional mobile earthworks plant could potentially give rise to an increase in ambient noise levels at and around the recovery facility. Noise prediction assessments however indicate that there will be minimal, if any, increase in noise levels arising at nearby residences under a worst case scenario when 2 No. additional bulldozers and additional HGV trucks are generating noise 100% of the time at the boundary of the facility (rather than intermittently and some distance inside it, as will most likely be the case in reality).

The resultant predicted (maximum) future noise levels at nearby sensitive receptors are comparable to, and only slightly elevated above, existing ambient levels, making it highly unlikely that any adverse noise impacts will be noticed or experienced by nearby residents.

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