

ATTACHMENT E5 – NOISE EMISSIONS

Noise at the proposed waste recovery facility will be generated by HGV truck movements in and out of the facility and by earthworks equipment (a bulldozer and mechanical excavator) during the backfilling phase. There will be no fixed point source noise emissions at the proposed soil waste recovery facility at Calary Quarry.

Baseline noise monitoring in and around the application site indicates that average ambient noise levels across the application site typically range between 45dBA L_{Aeq} and 64dBA L_{Aeq} , depending on location and proximity to the R755 Regional Road and time of day. These noise levels are consistent with daytime levels in rural areas close to a busy regional road.

HGV movements and operation of mobile earthworks plant could potentially give rise to an increase in ambient noise levels at and around the recovery facility. Noise prediction assessments indicate that there will be minimal, if any, increase in noise levels arising at nearby residences under a worst case scenario when both a bulldozer and HGV trucks are generating noise 100% of the time close to the application site boundary (rather than intermittently and some distance inside it, as will most likely be the case in reality).

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