

APPENDIX 9-2 OPERATIONAL NOISE STUDY AREA

The Institute of Acoustics document Good Practice Guide To The Application Of ETSU-R-97 For The Assessment And Rating Of Wind Turbine Noise states, in section 2.2 in relation to the extent of the study area:

The 'study area' for background noise surveys (and noise assessment) should, as a minimum, be the area within which noise levels from the proposed, consented and existing wind turbine(s) may exceed 35 dB LA90 at up to 10 m/s wind speed. (Note: unless stated, in this document the wind speed reference for noise data is the 10 metre standardised wind speed, derived from the wind speed at turbine hub height as explained in Section 2.6).

The only other wind farm with the potential to impact the assessment Faughary Wind Farm (Leitrim County Council Planning Ref. 04550): and existing operational wind farm consisting of three (3) Enercon E82 turbines with a Hub Height of 105 m, Rotor Diameter of 82 m and Tip Height of 146 m.

In this instance, the study area for the operational phase is considered the 35 dB LA90 at the maximum predicted turbine noise emission level from the proposed project, in conjunction with Faughary, as presented in Figure A12-2-1.

As the set of noise-sensitive locations considered in the noise assessment extends beyond this minimum contour, it is confirmed as appropriate.

Figure A12-2-1 Noise Study Area

