

**Fanellan Hub 400 kV Substation and Converter Station
Environmental Impact Assessment Report
Volume 4 | Technical Appendices**

**Appendix 14.19 – BD OHL Worst Case Construction
Activities and Associated Noise Levels for Tree Felling**

February 2025



TECHNICAL APPENDIX 14: NOISE IMPACT ASSESSMENT

14.19 BD OHL Worst Case Construction Activities and Associated Noise Levels for Tree Felling

Activity	Plant Item	Quantity	Utilisation %	Sound Power, LW (dB(A))	Sound Power corrected for quantity and utilisation, LW (dB(A))	L _{Aeq} at 10 m (dB)
Tree Felling	Forwarder	1	100%	84	84	56
	Harvester	1	100%	92	92	64
	C4.86 Diesel Generator	1	100%	93	93	66
	Wood Chipper	1	25%	119	113	85
	D2.14 Petrol Driven Chain Saw	2	100%	114	117	89
	Stump Grinder	1	50%	114	111	83
	Brush Cutter	1	100%	114	114	86
	Flail Mower	1	100%	90	90	62
	C2.2 Tracked Excavator	1	100%	105	105	77
Total					120	92