

**Scottish Hydro Electric Transmission plc**  
**Beauly-Denny Overhead Line Diversion**  
**Environmental Appraisal**  
**Technical Appendices**

**Appendix 9 A.4 – Worst Case Construction Activities**  
**and Associated Noise Levels for Tree Felling**

**July 2025**



## 9A.4 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 <sub>Aeq</sub> 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
<b>Total</b>					120	92