

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

Appendix 9 A.6 – Worst Case Construction Activities and
Associated Noise Levels for Tower Erection / Removal
July 2025



9A.6 WORST CASE CONSTRUCTION ACTIVITIES AND ASSOCIATED NOISE LEVELS FOR TOWER ERECTION / REMOVAL

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)
Tower Erection / Removal	C2.34 Lorry	1	20%	108	101	73
	C2.35 Telescopic Handler	1	80%	99	98	70
	C2.35 Telescopic Handler	1	80%	99	98	70
	C4.95 Handheld Cordless Nail Gun	4	100%	101	107	79
	Rotary Drill	4	100%	100	106	78
	C4.86 Diesel Generator	2	20%	93	90	62
	C4.49 Tower Crane	1	20%	105	98	70
Total					111	83