

A1 in Northumberland: Morpeth to Ellingham

Scheme Number: TR010041

6.8 Environmental Statement – Appendix 6.4 Source Information and Assumptions for Construction Noise Assessment

Part B

APFP Regulation 5(2)(a)

Planning Act 2008

Infrastructure Planning (Applications: Prescribed
Forms and Procedure) Regulations 2009

June 2020

Infrastructure Planning

Planning Act 2008

**The Infrastructure Planning
(Applications: Prescribed Forms and
Procedure) Regulations 2009**

The A1 in Northumberland: Morpeth to Ellingham
Development Consent Order 20[xx]

Environmental Statement - Appendix

Regulation Reference:	APFP Regulation 5(2)(a)
Planning Inspectorate Scheme Reference	TR010041
Application Document Reference	TR010041/APP/6.8
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Version	Date	Status of Version
Rev 0	June 2020	Application Issue

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SOURCE INFORMATION AND ASSUMPTIONS FOR CONSTRUCTION NOISE ASSESSMENT

Table 6-1 - Construction Noise Assessment Plant Source Noise Level Assumptions

Construction Activity	Equipment	L _{Aeq} at 10 m	SWL	Source BS 5228-1	No. Items	Worst Case on-time, % of Working Period
Site Clearance	Petrol driven chain saw (sawing timber)	86	114	D2-14	1	10%
	Tracked Excavator	80	108	C5-18	4	50%
	Lorry	80	108	C2-34	4	10%
	Wheeled Excavator	73	101	C5-11	4	20%
Earthworks	Dozer	75	103	C.2-1	2	60%
	Tracked excavator	77	105	C.2-2	2	60%
	Lorry	80	108	C.2-34	2	20%
	8 Wheeled road wagon	56	84	C4.85	2	20%
	Land Rover 4x4	76	104	C2.28	2	20%
Bridge Construction	Concrete mixer truck + truck mounted concrete pump + boom arm	78	106	C.4-32	1	10%
	Tracked excavator	85	113	C.1-10	1	50%
	Poker vibrator	69	97	C.4-34	1	10%
	400 t wheeled mobile telescopic crane	78	106	C.4-41	1	20%
	Hydraulic hammer rig	89	117	C.3-1	1	10%
	Dozer	75	103	C.2-1	1	15%
	Lorry	80	108	C.2-34	2	20%
	Road Roller	80	108	C. 5-19	2	10%

Construction Activity	Equipment	L_{Aeq} at 10 m	SWL	Source BS 5228-1	No. Items	Worst Case on-time, % of Working Period
Road Construction	Vibratory Compacter	82	110	C5-29	1	10%
	Asphalt paver (+ tipper lorry)	75	103	C5-33	2	60%
	8 wheeled road wagon	56	84	C4.85	3	60%
	Compressor	65	93	C5.5	1	70%
	Dozer	75	103	C2-1	2	60%
Compound Operation	Generator	61	89	C.4-76	1	100%
	Lorry	80	108	C2-34	2	20%
	Dozer	75	103	C.2-1	2	20%

6.1.1. It is common practice on Highways England schemes for contractors to work 10 out of 12 hours in the daytime and six out of eight hours in the night time. As such, the above percentage on-time have been further corrected for these hours.

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