

A1 in Northumberland: Morpeth to Ellingham

Scheme Number: TR010041

6.7 Environmental Statement – Appendix 6.7 Noise Monitoring Results

Part A

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/6.7
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Version	Date	Status of Version
Rev 0	June 2020	Application Issue

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NOISE MONITORING RESULTS

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NOISE MONITORING RESULTS

6.1.1. The long-term noise monitoring results are detailed in **Table 6-1**, **Table 6-2**, **Table 6-3** and **Table 6-4** below.

Table 6-1 - LT1 Priest Bridge House

Day and date	Period	Measured noise level (dB)			
		LAeq,1h	LA90,1h	LA10,1h	LAFMax
Tuesday 20-Mar-18	1100-1200	58.3	50.3	57.7	91.9
	1200-1300	54.4	48.3	57.1	74.4
	1300-1400	55.0	48.3	57.5	73.5
	1400-1500	54.3	47.3	56.3	76.8
	1500-1600	54.8	48.9	57.1	74.3
	1600-1700	54.8	50.3	57.0	69.6
	1700-1800	55.0	49.8	57.4	68.3
	1800-1900	55.1	48.5	57.6	71.6
	1900-2000	54.5	48.3	56.7	75.5
	2000-2100	52.8	43.9	56.0	70.0
	2100-2200	52.4	43.8	55.1	76.5
	2200-2300	49.7	36.6	53.7	64.8
	2300-2400	49.3	36.3	53.2	65.6
Wednesday 21-Mar-18	0000-0100	47.8	35.3	51.6	65.4
	0100-0200	48.3	34.4	51.8	67.8

Day and date	Period	Measured noise level (dB)			
		LAeq,1h	LA90,1h	LA10,1h	LAFMax
	0200-0300	47.8	32.9	50.7	72.5
	0300-0400	47.4	33.0	50.8	64.5
	0400-0500	49.0	35.1	53.2	64.9
	0500-0600	55.1	40.5	56.4	92.4
	0600-0700	57.1	49.8	60.3	68.8
	0700-0800	58.4	54.0	60.7	68.5
	0800-0900	57.8	53.5	60.2	71.2
	0900-1000	58.3	53.3	60.6	75.1
	1000-1100	58.7	52.9	60.1	88.1

Table 6-2 - LT2 New Houses Farm

Day and date	Period	Measured noise level (dB)			
		LAeq,1h	LA90,1h	LA10,1h	LAFMax
Tuesday 20-Mar-18	1215-1300	46.1	39.5	48.1	66.4
	1300-1400	45.7	38.4	46.9	80.5
	1400-1500	47.6	40.9	48.6	74.5
	1500-1600	50.5	45.3	52.0	75.0
	1600-1700	52.8	47.4	52.8	76.5
	1700-1800	52.9	48.9	54.6	82.0

Day and date	Period	Measured noise level (dB)			
		LAeq,1h	LA90,1h	LA10,1h	LAFMax
	1800-1900	50.3	44.1	52.7	72.1
	1900-2000	48.1	36.7	53.8	59.8
	2000-2100	37.8	31.3	41.1	54.3
	2100-2200	36.6	30.4	39.8	50.0
	2200-2300	35.4	30.4	38.6	45.6
	2300-2400	35.8	29.0	39.6	49.1
Wednesday 21-Mar-18	0000-0100	32.7	28.0	35.5	47.3
	0100-0200	33.0	28.9	35.6	44.8
	0200-0300	29.7	26.6	31.7	45.5
	0300-0400	30.3	24.6	33.1	50.9
	0400-0500	30.8	26.5	33.6	46.7
	0500-0600	48.6	30.6	51.7	75.1
	0600-0700	48.2	38.7	52.2	66.0
	0700-0800	45.5	37.3	49.0	66.4
	0800-0900	44.2	36.6	47.4	75.4
	0900-1000	46.8	39.3	47.6	78.6
	1000-1100	44.6	38.7	47.3	73.2
	1100-1200	46.9	38.5	48.1	72.2

Table 6-3 - LT3 The Bungalow

Day and date	Period	Measured noise level (dB)			
		LAeq,1h	LA90,1h	LA10,1h	LAFMax
Tuesday 20-Mar-18	1100-1200	49.9	46.1	52.2	62.1
	1200-1300	49.6	45.2	51.9	64.3
	1300-1400	50.5	45.3	53.1	70.4
	1400-1500	51.6	47.2	53.8	77.1
	1500-1600	54.5	49.9	56.4	78.4
	1600-1700	55.1	51.3	57.0	71.0
	1700-1800	54.1	50.9	56.2	64.6
	1800-1900	55.7	51.1	57.9	74.6
	1900-2000	53.9	46.2	56.8	66.0
	2000-2100	53.0	42.4	56.4	68.2
	2100-2200	50.7	37.1	54.7	62.7
	2200-2300	47.9	33.6	52.1	62.7
	2300-2400	44.3	32.1	48.2	59.2
Wednesday 21-Mar-18	0000-0100	42.2	32.9	45.4	58.7
	0100-0200	41.6	30.8	45.1	62.6
	0200-0300	39.7	28.8	43.5	56.2
	0300-0400	39.8	27.4	43.6	59.0
	0400-0500	43.1	29.1	47.0	68.1

Day and date	Period	Measured noise level (dB)			
		LAeq,1h	LA90,1h	LA10,1h	LAFMax
	0500-0600	48.5	37.9	50.9	77.2
	0600-0700	53.0	47.3	55.8	67.8
	0700-0800	53.9	48.0	57.0	69.3
	0800-0900	51.7	45.2	52.6	72.5
	0900-1000	53.1	49.0	55.0	72.8
	1000-1100	52.7	48.8	54.3	70.8

Table 6-4 - LT4 West Moor Cottage

Day and date	Period	Measured noise level (dB)			
		LAeq,1h	LA90,1h	LA10,1h	LAFMax
Tuesday 20-Mar-18	1130-1200	58.4	51.4	60.0	101.0
	1200-1300	62.2	51.8	59.6	108.4
	1300-1400	56.3	50.8	59.3	82.5
	1400-1500	55.9	50.2	58.9	83.3
	1500-1600	60.1	51.8	62.8	91.5
	1600-1700	58.6	53.3	61.2	86.1
	1700-1800	57.2	52.3	60.2	89.5
	1800-1900	54.8	49.5	57.0	92.9
	1900-2000	55.1	46.2	56.8	88.3

Day and date	Period	Measured noise level (dB)			
		LAeq,1h	LA90,1h	LA10,1h	LAFMax
	2000-2100	50.4	43.4	53.9	73.5
	2100-2200	49.5	41.4	52.9	73.5
	2200-2300	48.4	36.4	52.2	75.7
	2300-2400	49.0	30.8	53.4	78.4
Wednesday 21-Mar-18	0000-0100	46.2	27.4	50.8	74.0
	0100-0200	44.0	24.9	48.8	71.8
	0200-0300	44.0	28.6	48.3	72.3
	0300-0400	44.3	30.4	48.6	69.7
	0400-0500	49.3	29.4	53.6	77.7
	0500-0600	47.2	36.2	50.8	81.7
	0600-0700	51.3	44.7	54.4	91.6
	0700-0800	50.9	46.3	53.4	82.7
	0800-0900	51.4	46.6	53.5	87.2
	0900-1000	51.6	47.1	53.9	82.8
	1000-1100	53.7	48.6	55.3	88.7
	1100-1130	53.0	47.7	54.9	93.7

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