

M54 to M6 Link Road

TR010054

Volume 6

6.3 Environmental Statement

Appendices

**Appendix 11.2 Baseline Noise
Monitoring**

Regulation 5(2)(a)

Planning Act 2008

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

January 2020

Infrastructure Planning

Planning Act 2008

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

**M54 to M6 Link Road
Development Consent Order 202[]**

**6.3 Environmental Statement Appendices
Appendix 11.2 Baseline Noise Monitoring**

Regulation Number	Regulation 5(2)(a)
Planning Inspectorate Scheme Reference	TR010054
Application Document Reference	6.3
Author	M54 to M6 Link Road Project Team and Highways England

Version	Date	Status of Version
1	January 2020	DCO Application

Appendix 11.2: Baseline Noise Monitoring

Table A11.2.1 Noise monitoring equipment

Site	Location	LT/ ST Monitoring	Start Date/ Time	Finish Date/ Time	Sound Level Meter (SLM)	SLM Serial Number	Calibrator	Calibrator Serial Number	Free-field/ Facade
M1	43 Dark Lane	LT	29/03/2019 16:00	12/04/2019 08:57	Rion NL-52	00386762	Rion NC-74	34425537	Free Field
M2	Park View, Hilton Lane	LT	29/03/2019 12:15	12/04/2019 09:43	Rion NL-52	00386765	Rion NC-74	34425537	Free Field
M3	Brookfield Farm	LT	29/03/2019 14:20	12/04/2019 09:32	Rion NL-52	00386764	Rion NC-74	34425537	Free Field
M4	Near to Kings Pool	ST	10/04/2019 12:00	10/04/2019 15:01	Rion NL-52	00386766	Rion NC-74	34425537	Free Field
M5	Lower Lodge	LT	29/03/2019 13:10	12/04/2019 09:12	Rion NL-52	00386763	Rion NC-74	34425537	Free Field

LT = long-term monitoring

ST = Short-term monitoring (3 hours daytime)

Table A11.2.2 Summary of weather data during monitoring

Day	Date	Average Wind Speed m/s	Typical Wind Direction	Rain mm	Notes
Friday	29/03/2019	0.4	W	0.0	Not a full day
Saturday	30/03/2019	0.6	W	0.0	
Sunday	31/03/2019	1.7	NNE	0.0	
Monday	01/04/2019	0.7	NNE	0.0	
Tuesday	02/04/2019	0.9	W	0.2	
Wednesday	03/04/2019	0.6	W	0.0	
Thursday	04/04/2019	1.2	ENE	0.6	
Friday	05/04/2019	1.0	NNE	0.0	
Saturday	06/04/2019	1.5	NNE	0.0	
Sunday	07/04/2019	1.3	NE, NNE	0.0	
Monday	08/04/2019	1.7	NNE	0.1	
Tuesday	09/04/2019	2.2	NE	0.0	
Wednesday	10/04/2019	1.5	NE	0.0	
Thursday	11/04/2019	0.8	NNE	0.0	
Friday	12/04/2019	0.6	NNE	0.0	Not a full day

The weather data was recorded at monitoring location M2. See Figure A11.3.1 for average wind speeds, Figure A11.3.2 for wind direction and Figure A11.3.3 for rainfall.

Average daily wind speeds throughout the monitoring were fairly low. Figure A11.3.1 illustrates that hourly average wind speeds were below 3 m/s throughout the monitoring period. Figure A11.3.3 illustrates that rainfall occurred on Tuesday 2nd April 2019, Thursday 4th April 2019 and Monday 8th June 2019. However, this was not of an appreciable level and consideration of the measured noise levels does not indicate that these periods of rainfall resulted in unusually high noise levels.

Time history graphs of the monitored sound pressure levels at the long-term sites are provided in Figure A11.3.4, Figure A11.3.5, Figure A11.3.6 and Figure A11.3.7. No graph is provided for site M4 as short-term rather than long-term monitoring was undertaken at this location.

Figure A11.2.1: Average wind speed (M2)

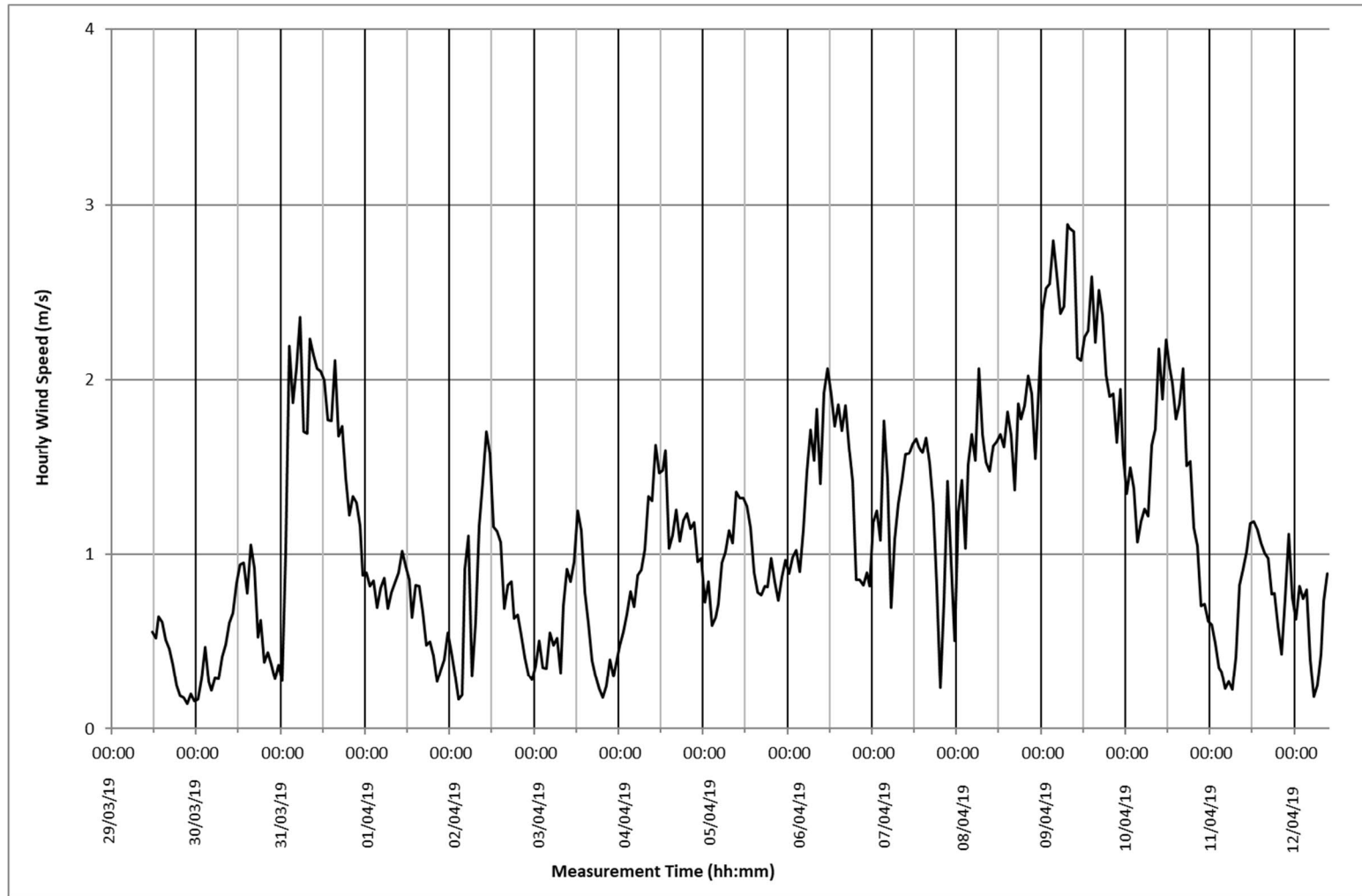


Figure A11.2.2: Wind direction (M2)

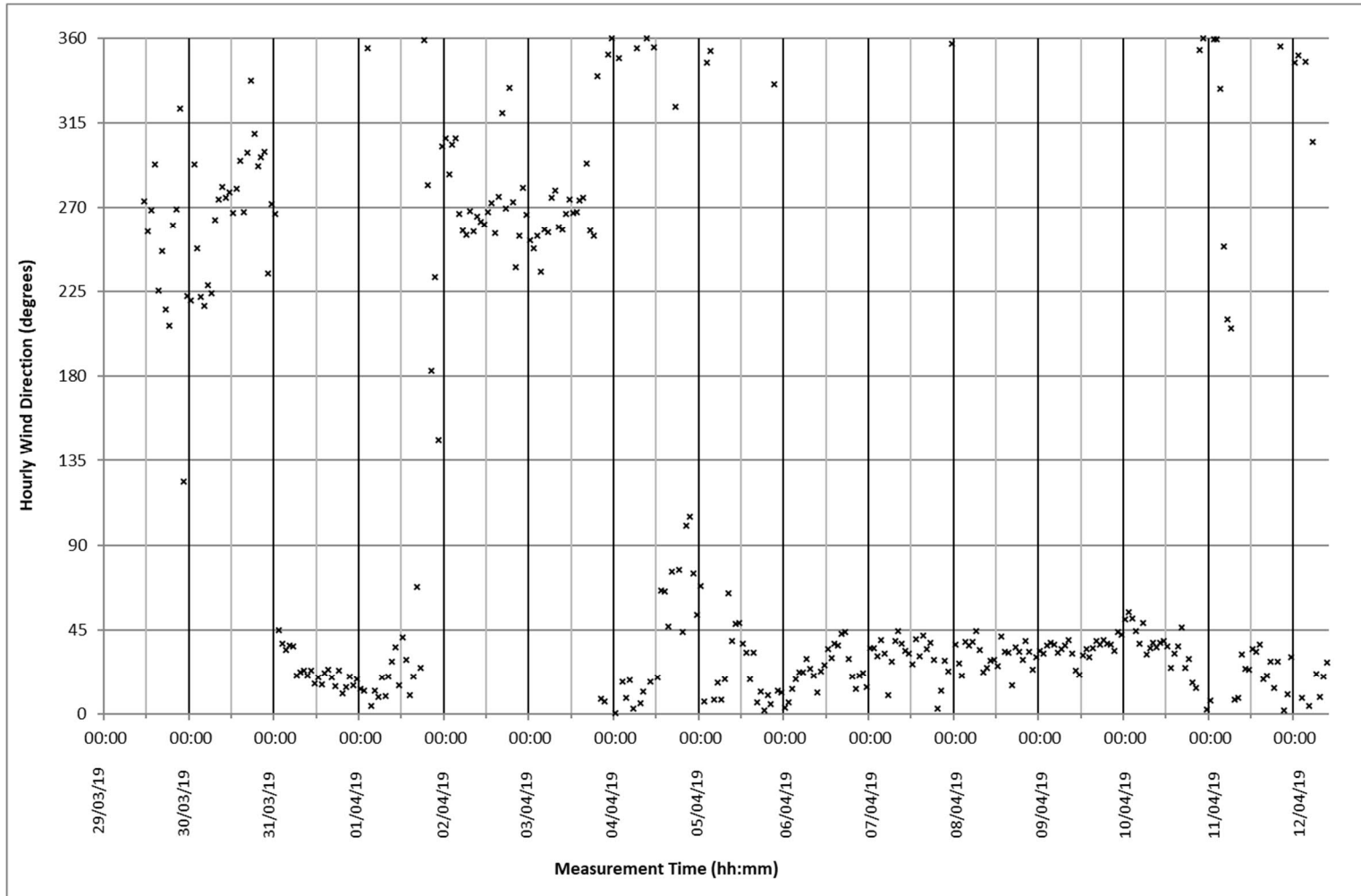


Figure A11.2.3: Rainfall (M2)

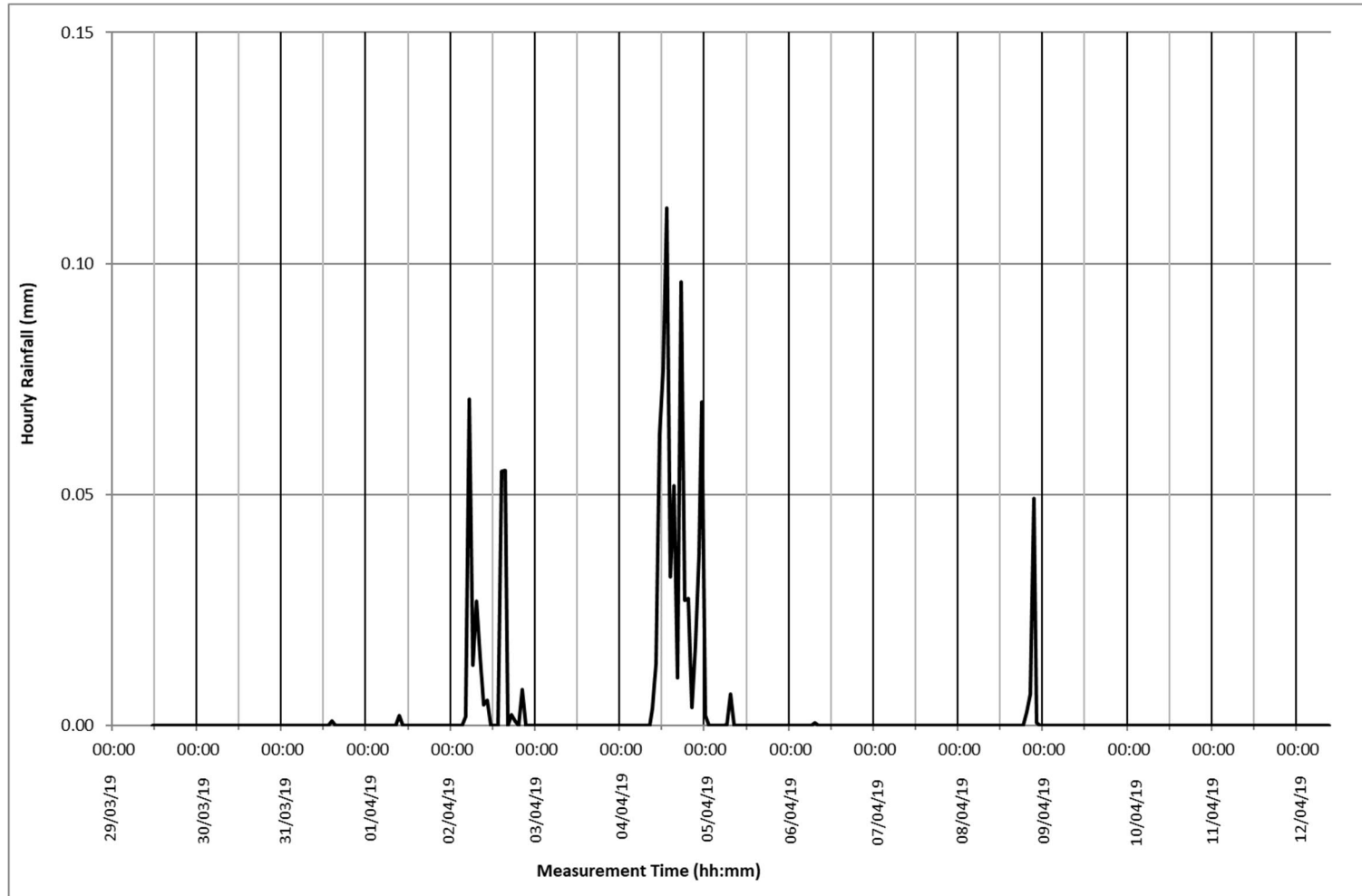


Figure A11.2.4: M1 - 43 Dark Lane

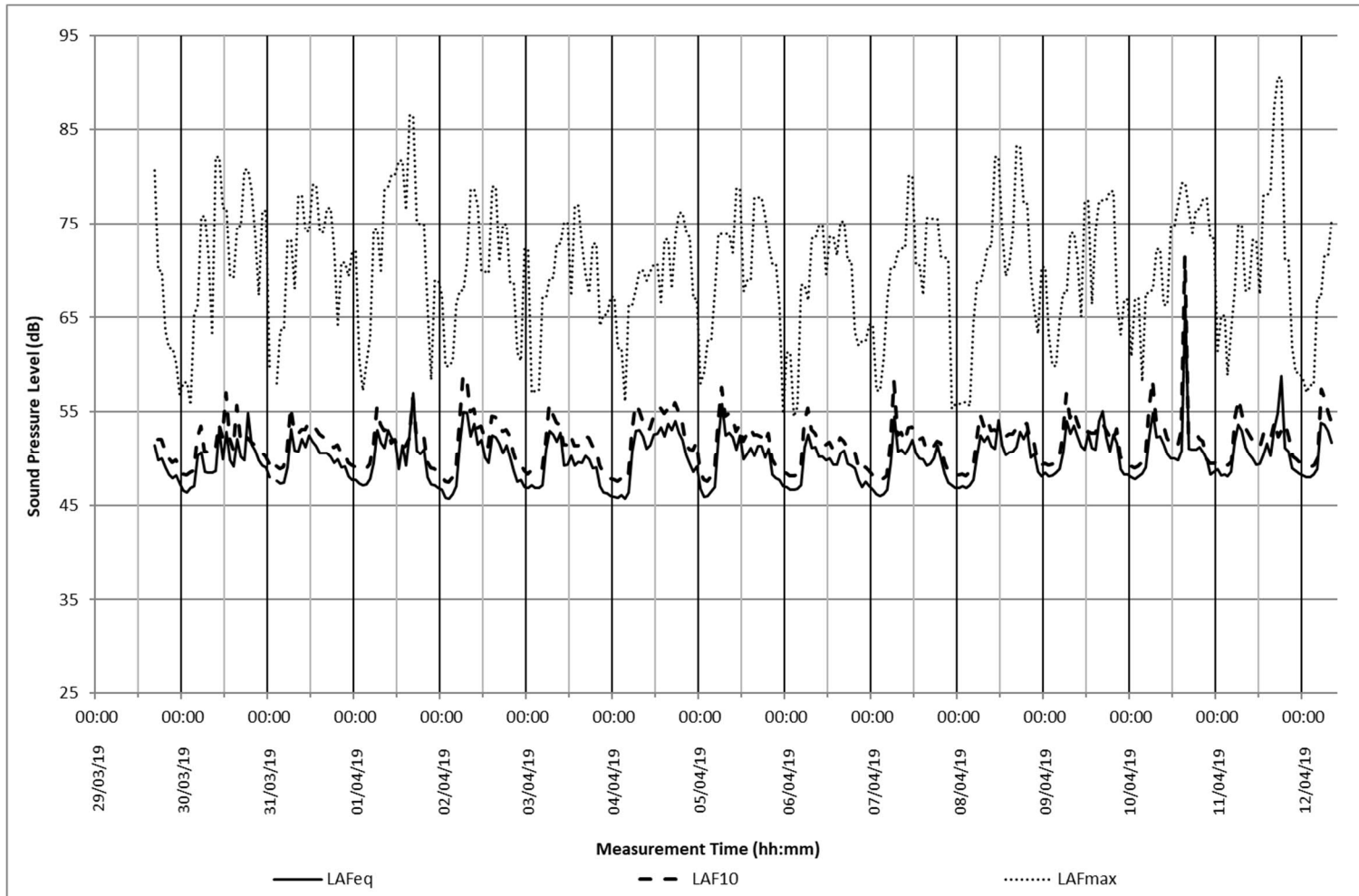


Figure A11.2.5: M2 - Park View, Hilton Lane

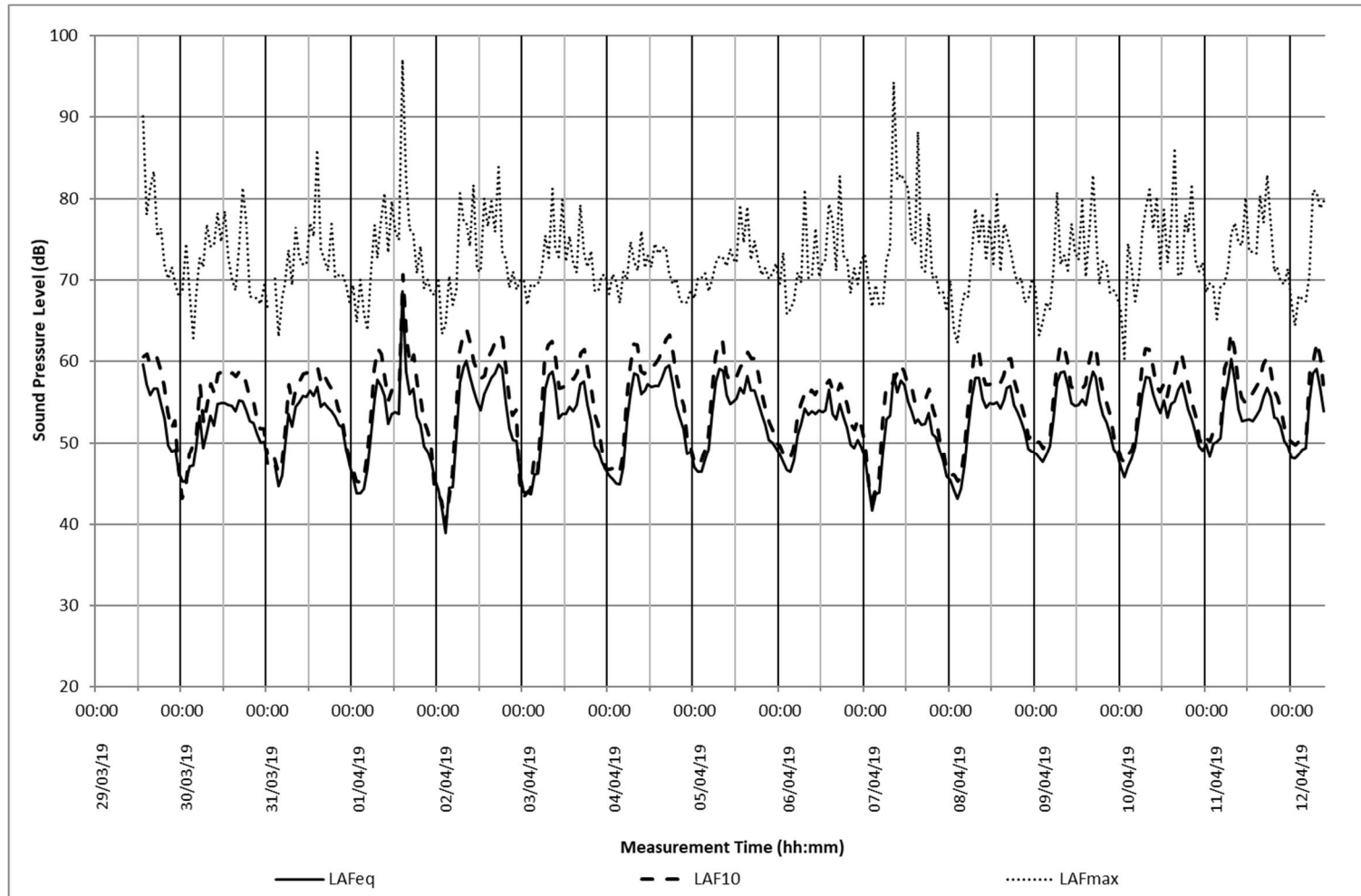


Figure A11.2.6: M3 - Brookfield Farm

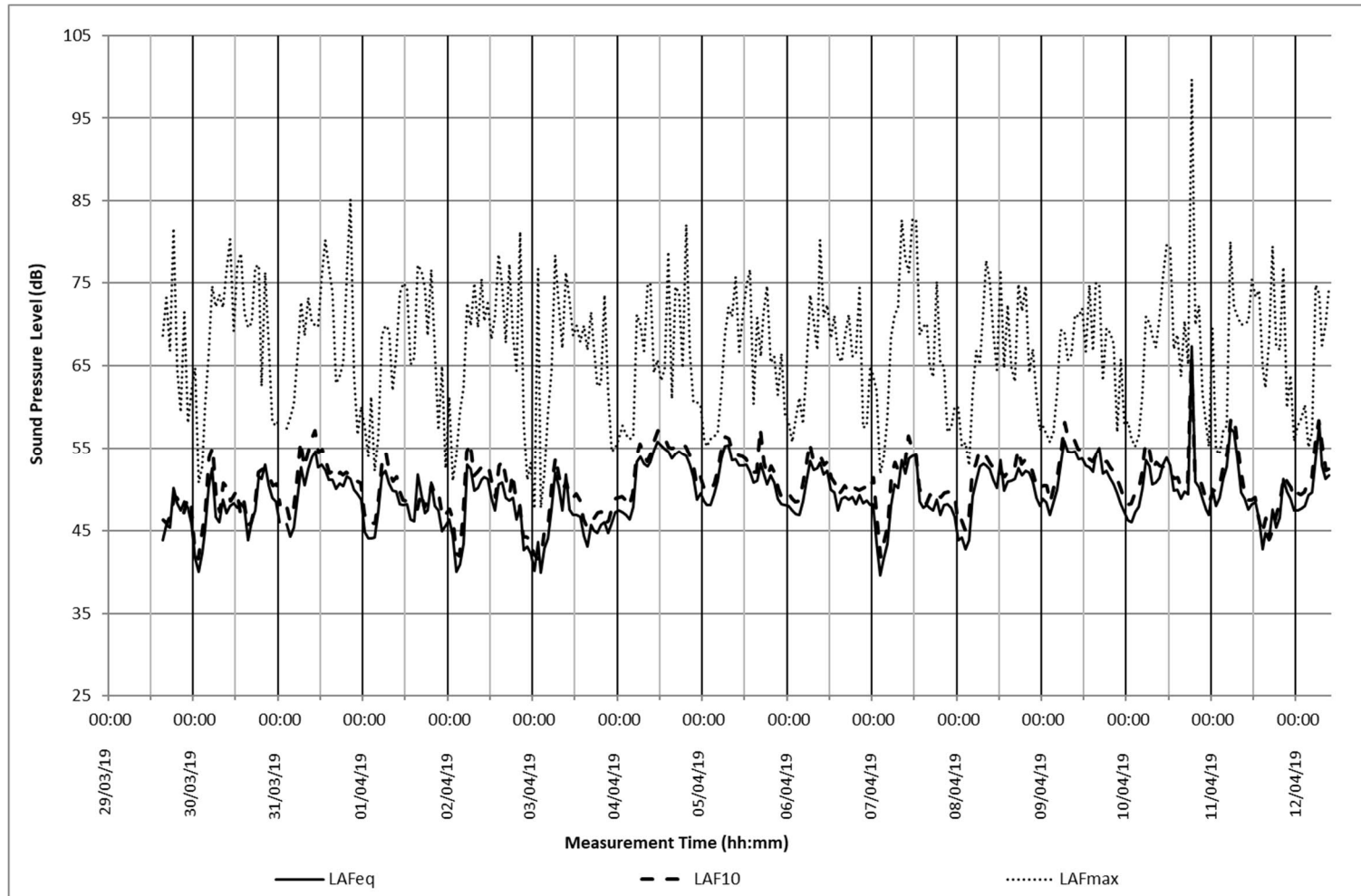


Figure A11.2.7: M5 - Lower Lodge

