March 2026

Construction noise and vibration Monthly Report – March 2026

Buckinghamshire Council

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Non-Technical Summary

This Noise and Vibration Monitoring Report fulfils HS2 Limited's commitment detailed in the Environmental Minimum Requirements (EMRs), Annex 1, Code of Construction Practice, to present the results of noise and vibration monitoring carried out within Buckinghamshire Council during the month of Mar 2026.

Within this period monitoring was undertaken at the following worksites:

- Noise and vibration were undertaken in the vicinity of North Portal worksite (Ref.: NP), where porous portal works, north portal building works, piling platform reinstatement works, Earthworks and water management works were underway.

- Noise and vibration were undertaken in the vicinity of Chesham Road worksite (Ref.: CHSM) where landscaping, internal building works, and demobilisation works were underway.

- Noise and vibration were undertaken in the vicinity of Colne Valley Viaduct (Ref.: CVV) where compound demobilisation works, water management works, deck finishing works, landscaping and water management works were underway.

- Noise and vibration were undertaken in the vicinity of South Heath worksite (Ref.: SH) where earthworks, landscaping, overbridge works, drainage works and water management works were undertaken.

- Noise and vibration were undertaken in the vicinity of Chalfont St Peter Vent Shaft worksite (Ref.: CSP) where headhouse external works, landscaping, demobilisation and water management works were underway.

- Noise and vibration were undertaken in the vicinity of Calvert worksite (Ref.: CAL) where structure works and earthworks were underway.

- Noise and vibration were undertaken in the vicinity of Aylesbury Golf Course worksite, (Ref.: GC) where utility works, culvert works and earthworks were underway

- Noise and vibration were undertaken in the vicinity of Little Missenden Vent Shaft worksite (Ref.: LM) where headhouse internal and external works and landscaping works were underway.

- Noise and vibration were undertaken in the vicinity of Hermitage worksite (Ref.: HC) where haul road ramp works, rock buttresses and toe remediation works, removal of embankment surcharge, overbridge waterproofing, overbridge realignment, utility works, operation and maintenance of site access and mass haul road and surface water management works were underway.

- Noise and vibration were undertaken in the vicinity of School End worksite (Ref.: SE) where overbridge plug removal, noise barrier piling works, surface water management works, and operation and maintenance of site access and mass haul

road were underway.

- Noise and vibration were undertaken in the vicinity of Twyford worksite (Ref.: TW) where track drainage, toe remediation works, haul road construction, removal of embankment surcharge, viaduct works including robust kerb steel fixing, formwork installation and preparation for deck concrete pours, surface water management, operation and maintenance of site access and mass haul road and embankment stabilization works were underway.

- Noise and vibration were undertaken in the vicinity of West Street Overbridge worksite (Ref.: WSO) where structure works were underway.

- Noise and vibration were undertaken in the vicinity of Wendover Dean Viaduct worksite (Ref.: WDV) where propping works including striking, abutment works, concrete pours, and plank sealing and coring works were underway.

- Noise and vibration were undertaken in the vicinity of Quainton worksite (Ref.: QAR) where earthworks were underway.

- Noise and vibration were undertaken in the vicinity of A422 Turweston North worksite (Ref.: A422 TN) where overbridge construction including backfilling, parapet installation, topsoiling of deck, installation of service sleeves, viaduct construction works including concrete pours, steel fixing and shuttering, traveller pads, foundation installation, striking and moving formwork traveller, earthworks including drainage and site maintenance works were underway.

- Noise and vibration were undertaken in the vicinity of Nash Lee Lane worksite (Ref.: NLL) where trimming, capping, steel fixing, concrete pours, noise barrier piling and waterproofing works were underway.

- Noise and vibration were undertaken in the vicinity of Woodlands worksite (Ref.: WDL) where structure works, and earthworks were underway.

- Noise and vibration were undertaken in the vicinity of Rocky Lane Embankment worksite (Ref.: RLE) where culvert works including shuttering and steel fixing and concrete surface repair works were underway.

- Noise and vibration were undertaken in the vicinity of Chalfont St Giles Vent Shaft worksite (Ref.: CSG) where headhouse external works and demobilisation works were underway.

- Noise and vibration were undertaken in the vicinity of West Street Overbridge worksite (Ref.: WSO) where structure works were underway.

- Noise and vibration were undertaken in the vicinity of Waddesdon worksite (Ref.: WAD) where culvert construction, embankment earthworks, Quainton railhead (aggregate deliveries) works were underway.

- Noise and vibration were undertaken in the vicinity of Oat Close Worksite (Ref.: OC) where relief road underpass - wingwall base concreting, earthworks and overbridge

works were underway.

- Noise and vibration were undertaken in the vicinity of Thame Valley Viaduct worksite (Ref.: TVV) where in-situ deck cast slab sealing, concrete pours, deck finishing works, parapet wall installation, earthworks and watercourse works were underway.

- Noise and vibration were undertaken in the vicinity of Amersham Vent Shaft worksite (Ref.: AM) where headhouse external and internal building works and drainage works were underway.

- Noise and vibration were undertaken in the vicinity of Wendover Green Tunnel worksite (Ref.: WGT) where Installation of the rebars, formwork installation, concrete pours, scaffold installation, installation of concrete shutters and water bar installation works were underway.

Further works, where monitoring did not take place, were also undertaken at:

- Calvert where earthworks where underway
- Sheephouse wood where structure works were underway

The HS2 threshold levels for significant noise impacts, which are defined in Information Paper E23 (https://www.gov.uk/government/publications/hs2-information-papersenvironment) were exceeded eight (8) times during the reporting period.

There were no exceedances of trigger levels as defined in section 61 consents during the reporting period at any monitoring position.

No complaints were received during the monitoring period.

Abbreviations and Descriptions

The abbreviations, descriptions and project terminology used within this report can be found in Table 1.

Table 1: Table of Abbreviations

Acronym/Term	Definition
LAeq,T	See equivalent continuous sound pressure level.
Ambient Sound	A description of the all-encompassing sound at a given location and time which will include sound from many sources near and far. Ambient sound can be quantified in terms of the equivalent continuous sound pressure level, LpAeq,T
Decibel(s), or dB	Between the quietest audible sound and the loudest tolerable sound there is a million to one ratio in sound pressure (measured in Pascal (Pa)). Because of this wide range, a level scale called the decibel (dB) scale, based on a logarithmic ratio, is used in sound measurement. Audibility of sound covers a range of approximately 0-140dB.
Decibel(s) A-weighted, or dB(A)	The human ear system does not respond uniformly to sound across the detectable frequency range and consequently instrumentation used to measure sound is weighted to represent the performance of the ear. This is known as the 'A weighting' and is written as 'dB(A)'.
Equivalent continuous sound pressure level, or LAeq,T	An index used internationally for the assessment of environmental sound impacts. It is defined as the notional unchanging level that would, over a given period of time (T), deliver the same sound energy as the actual time-varying sound over the same period. Hence fluctuating sound levels can be described in terms of an equivalent single figure value, typically expressed as a decibel level.
Exclusion of data	Measurement of noise levels can be affected by weather conditions such as prolonged periods of rain, winds speeds higher than 5m/s and snow/ice ground cover. Noise levels measured during these periods are considered not representative of normal noise conditions at the site and, for the purposes of this report, are excluded from the assessment of exceedances and calculation of typical noise levels and are also greyed out in charts. Identifiable incongruous noise and vibration events not attributable to HS2 construction noise are also excluded.
Façade	A facade noise level is the noise level 1m in front of a large reflecting surface. The effect of reflection, is to produce a slightly higher (typically +2.5 to +3 dB) sound level than it would be if the reflecting surface was not there.
Free-field	A free-field noise level is the noise level measured at a location where no reflective surfaces, other than the ground, lies within 3.5 metres of the microphone position.
LOAEL	Lowest Observed Adverse Effect Level - the level above which adverse effects on health and quality of life can be detected.
Peak particle velocity, or PPV	Instantaneous maximum velocity reached by a vibrating element as it oscillates about its rest position. The PPV is a simple indicator of perceptibility and risk of damage to structures due to vibration. It is usually measured in mm/s.
SOAEL	Significant Observed Adverse Effect Level - the level above which significant adverse effects on health and quality of life occur.

Sound pressure level	The parameter by which sound levels are measured in air. It is measured in decibels. The threshold of hearing has been set at 0dB, while the threshold of pain is approximately 120dB. Normal speech is approximately 60dB at a distance of 1 metre and a change of 3dB in a time varying sound signal is commonly regarded as being just detectable. A change of 10dB is subjectively twice, or half, as loud.
Vibration dose value, or VDV	An index used to evaluate human exposure to vibration in buildings. While the PPV provides information regarding the magnitude of single vibration events, the VDV provides a measure of the total vibration experienced over a specified period of time (typically 16h daytime and 8h night-time). It takes into account the magnitude, the number and the duration of vibration events and can be used to quantify exposure to continuous, impulsive, occasional and intermittent vibration. The vibration dose value is measured in $m/s^{1.75}$.

1 Introduction

1.1.1 HS2 is required to undertake noise (and vibration) monitoring as necessary to comply with the requirements of the High Speed Rail (London-West Midlands) Environmental Minimum Requirements, including specifically Annex 1: Code of Construction Practice, in addition to any monitoring requirements arising from conditions imposed through consents under Section 61 of the Control of Pollution Act, 1974 or through Undertakings & Assurances given to third parties. Such monitoring may be undertaken for the following purposes:

- monitoring the impact of construction works;
- to investigate complaints, incidents and exceedance of trigger levels; or
- monitoring the effectiveness of noise and vibration control measures.

Monitoring data and interpretive reports are to be provided to each relevant local authority on a monthly basis and shall include a summary of the construction activities occurring, the data recorded over the monitoring period, any complaints received, any periods in exceedance of agreed trigger levels, the results of any investigations and any actions taken or mitigation measures implemented. This report provides noise data, and interpretation thereof, for monitoring carried out by HS2 within the Buckinghamshire Council (BC) area for the period 1-31 March 2026.

1.1.2 Active construction sites in the local authority area during this period include:

- North Portal worksite, Ref.: NP (See plan 8 in Appendix A), where work activities included:
    - Porous portal works
    - North portal building
    - Piling platform reinstatement
    - Earthworks
    - Water management
- Chesham Road worksite, Ref.: CHSM (See plan 8 in Appendix A), where work activities included:
    - Landscaping
    - Internal building works
    - Demobilisation
- Colne Valley Viaduct, Ref.: CVV (See plan 13 in Appendix A), where work activities included:
    - Compound demobilisation
    - Water management
    - Deck finishes
    - Landscaping
    - Water management
- South Heath worksite, Ref.: SH (See plan 8 in Appendix A), where work activities included:
    - Earthworks
    - Landscaping
    - Overbridge works
    - Drainage works
    - Water management

- Chalfont St Peter Vent Shaft worksite, Ref.: CSP (See plan 12 in Appendix A), where work activities included:
    - Headhouse external works
    - Landscaping
    - Demobilisation
    - Water management
- Calvert worksite Ref.: CAL (See plan 3 in Appendix A), where work activities included:
    - Structure works
    - Earthworks
- Aylesbury Golf Course worksite, Ref.: GC (See plan 6 in Appendix A), where work activities included:
    - Utility works
    - Culvert works
    - Earthworks
- Little Missenden Vent Shaft worksite, Ref.: LM (See plan 9 in Appendix A), where work activities included:
    - Headhouse internal and external works
    - Landscaping
- Hermitage worksite, Ref.: HC (See plan 2 in Appendix A), where work activities included:
    - Haul road ramp works
    - Rock buttresses and toe remediation works
    - Removal of embankment surcharge
    - Overbridge waterproofing
    - Overbridge realignment
    - Utility works
    - Operation and maintenance of site access and mass haul road
    - Surface water management
- School End worksite, Ref.: SE (See plan 2 in Appendix A), where work activities included:
    - Overbridge plug removal
    - Noise barrier piling works
    - Surface water management
    - Operation and maintenance of site access and mass haul road
- Twyford worksite, Ref.: TW (See plan 2 in Appendix A), where work activities included:
    - Track drainage
    - Toe remediation works
    - Haul road construction
    - Removal of embankment surcharge
    - Viaduct works including robust kerb steel fixing, formwork installation and preparation for deck concrete pours
    - Surface water management
    - Operation and maintenance of site access and mass haul road
    - Embankment stabilization works.
- West Street Overbridge worksite Ref.: WSO (See plan 2 in Appendix A), where work

activities included:

    - Structure works
- Wendover Dean Viaduct worksite, Ref.: WDV (See plan 7 in Appendix A), where work activities included:
    - Propping works including striking
    - Abutment works
    - Concrete pours
    - Plank sealing and coring
- Quainton worksite, Ref.: QAR (See plan 4 in Appendix A), where work activities included:
    - Earthworks
- A422 Turweston North worksite, Ref.: A422 TN (See plan 1 in Appendix A), where work activities included:
    - Overbridge construction including backfilling, parapet installation, topsoiling of deck, installation of service sleeves
    - Viaduct construction works including concrete pours, steel fixing and shuttering, traveller pads, foundation installation, striking and moving formwork traveller
    - Earthworks including drainage
    - Site maintenance
- Nash Lee Lane worksite, Ref.: NLL (See plan 6 in Appendix A), where work activities included:
    - Trimming
    - Capping
    - Steel fixing
    - Concrete pours
    - Noise barrier piling
    - Waterproofing
- Woodlands worksite, Ref.: WDL (See plan 4 in Appendix A), where work activities included:
    - Structure work
    - Earthworks
- Rocky Lane Embankment worksite, Ref.: RLE (See plan 7 in Appendix A), where work activities included:
    - Culvert works including shuttering and steel fixing
    - Concrete surface repairs
- Chalfont St Giles Vent Shaft worksite, Ref.: CSG (See plan 11 in Appendix A), where work activities included:
    - Headhouse external works
    - Demobilisation
- West Street Overbridge worksite, Ref.: WSO (See plan 2 in Appendix A), where work activities included:
    - Structure works
- Waddesdon worksite, Ref.: WAD (See plan 5 in Appendix A), where work activities included:

        - Culvert construction
        - Embankment earthworks
        - Quainton railhead (aggregate deliveries)
    - Moat Farm Worksite ref.: MF See plan 6 in Appendix A), where work activities included:
        - Relief road underpass - wingwall base concreting
        - Earthworks
        - Overbridge works
    - Thame Valley Viaduct worksite, Ref.: TVV (See plan 5 in Appendix A), where work activities included:
        - In-situ deck cast slab sealing
        - Concrete pours
        - Deck finishing works
        - Parapet wall installation
        - Earthworks
        - Watercourse works
    - Amersham Vent Shaft worksite, Ref.: AM (See plan 10 in Appendix A), where work activities included:
        - Headhouse external and internal building works
        - Drainage works
    - Wendover Green Tunnel worksite, Ref.: WGT (See plan 7 in Appendix A), where work activities included:
        - Installation of the rebars
        - Formwork installation
        - Concrete pours
        - Scaffold installation
        - Installation of concrete shutters
        - Water bar installation

1.1.3 Further works, where monitoring did not take place, were also undertaken at:

- Calvert where earthworks where underway
- Sheephouse wood where structure works were underway

1.1.4 The applicable standards, guidance, and monitoring methodology is outlined in the construction noise and vibration monitoring methodology report which can be found at the following location https://www.gov.uk/government/collections/monitoring-the-environmental-effects-of-hs2. Noise and vibration monitoring reports for previous months can also be found at this location.

1.2 Measurement Locations

1.2.1 32 noise and 12 vibration monitoring installations were active in March in the Buckinghamshire Council area. Tables 2a and 2b summarise the position of noise and vibration monitoring installations within the Buckinghamshire Council area in March 2026.

1.2.2 Maps showing the position of noise and vibration monitoring installations are presented in Appendix B.

Table 2a: Noise Monitoring Locations

Worksite Reference	Measurement Reference	Address
AM	AM-NMP1	Amersham, Align JV Site, Whielden Lane
NP	BFH-NMP1	Bury Farm, Great Missenden
	BLH-NMP1	4 Bayleys Hatch South Heath Great Missinden
	ORC-NMP1	Orchard Cottage, Ballinger Road, South Heath
WGT	BL-NMP1	Bacombe Lane, Wendover
	ER-NMP1	Ellesborough Rd, Wendover
	WGT-NMP1	Wendover, Aylesbury
CSG	CSG-NMP1	Chalfont St Giles, Align JV Site, Bottom House Farm Lane
CSP	CSP-NMP2	Chalfont St Peter, ALIGN JV Site, Chesham Lane
CAL	FCC-NMP1	Calvert South
	SHC-NMP1	School Hill Compound, Calvert
GC	GC-NMP1	Aylesbury, Buckinghamshire
HC	HC-NMP1	Hermitage, Chetwode
SH	HHF-NMP1	Hammonds Hall Farm, Potter Row, South Heath
	PKF-NMP1	Park Farm, South Heath, Great Missenden
LM	LM-NMP1	Little Missenden, A413, Amersham
	PWC-NMP1	Little Missenden, A413, Amersham
CHSM	MDL-NMP1	Meadow Leigh cottage, Frith Hill, South Heath
MF	MF-NMP1	Moat Farm, Marsh Lane
RLE	NCAS6-NMP1	Chesham Lane, The Lee, Wendover
NLL	NLL-NMP2	Nash Lee Lane, Nash Lee
QAR	QAR-NMP2	Station Road, Quainton
	LSF-NMP1	Upper South Farm
SE	SE-NMP1	School End, Chetwode
A422 TN	TN-NMP1	Turweston North, Brackley
	TN-NMP2	Turweston East, Brackley
TVV	TVV-NMP1	Aylesbury, Buckinghamshire
TW	TW-NMP1	Twyford, Buckinghamshire
WAD	WAD-NMP2	Waddesdon, Buckinghamshire
WDL	WDL-NMP1	Woodlands Farmhouse, Station Rd, Quainton
WDV	WDV-NMP1	Upper Wendover Dean Farm, A413, Wendover
WSO	WSO-NMP1	West Street, Twyford

Table 2b: Vibration Monitoring Locations

Worksite Reference	Measurement Reference	Address
CAL	BRA-Vib1	13 Brackley Lane, Calvert Village
WGT	ER-Vib1	Ellesborough Rd, Wendover
WSO	PF-Vib1	Twyford, Buckinghamshire

SE	SE-Vib1	School End, Chetwode
QAR	SR-Vib1	Station Road, Quainton
WDL	WC-Vib1	Quainton, Buckinghamshire
	WDL-Vib1	Station Road, Quainton

2 Summary of Results

2.1 Summary of Measured Noise and Vibration Levels

2.1.1 Table 3 presents a summary of the measured noise levels at each monitoring location over the reporting period. The LAeq,T is presented for each of the relevant time periods averaged over the calendar month, along with the highest single period LAeq,T that was found to occur within the month.

Table 3: Summary of Measured dB LAeq Data over the Monitoring Period

Worksite Reference.	Measurement Reference	Site Address	Free-Field or Façade Measurement	Weekday Average LAeq,T (Highest Day LAeq,T)					Saturday Average LAeq,T (Highest Day LAeq,T)					Sunday / Public Holiday LAeq,T (Highest Day LAeq,T)	
				0700 - 0800	0800 - 1800	1800 - 1900	1900 - 2200	2200 - 0700	0700 - 0800	0800 - 1300	1300 - 1400	1400 - 2200	2200 - 0700	0700 - 2200	2200 - 0700
AM	AM-NMP1	Amersham Vent Shaft worksite, Whielden Lane	Free field	61.3 (62.9)	62.2 (65.2)	61.4 (62.0)	59.1 (60.5)	54.5 (58.7)	()	()	()	()	()	60.1 (60.6)	53.9 (56.4)
NP	BFH-NMP1	Bury Farm, Great Missenden	Free field	48.9 (52.2)	49.7 (55.4)	49.0 (55.8)	45.0 (57.6)	42.3 (58.2)	49.4 (52.5)	49.6 (53.3)	47.0 (49.5)	42.2 (48.3)	41.1 (50.5)	47.7 (54.4)	42.5 (52.0)
	BLH-NMP1	Bayleys Hatch South Heath	Free field	50.5 (51.9)	50.6 (53.8)	49.5 (53.2)	46.0 (56.7)	41.3 (57.8)	50.2 (52.0)	50.6 (52.2)	48.9 (50.9)	47.5 (51.0)	40.4 (51.6)	49.1 (53.4)	40.7 (51.6)
	ORC-NMP1	Orchard Cottage, Ballinger Road, South Heath,	Free field	48.0 (55.1)	54.4 (62.9)	49.6 (54.0)	46.4 (56.8)	42.1 (55.7)	46.0 (51.0)	51.2 (56.9)	51.2 (54.4)	48.3 (53.3)	41.5 (47.5)	48.4 (52.6)	42.3 (51.3)
WGT	BL-NMP1	Bacombe Lane, Wendover	Free field	47.0 (48.7)	47.3 (50.4)	44.9 (47.9)	42.2 (46.3)	40.7 (49.5)	45.2 (48.0)	47.4 (49.3)	46.1 (47.8)	44.7 (51.4)	40.2 (46.2)	44.4 (55.0)	41.7 (49.2)
	ER-NMP1	Ellesborough Rd, Wendover	Free field	56.4 (59.8)	55.1 (60.2)	54.9 (57.9)	50.1 (55.1)	49.5 (58.2)	53.5 (54.3)	55.7 (57.5)	56.4 (59.3)	53.9 (58.3)	49.1 (54.9)	52.3 (56.3)	50.2 (57.6)
	WGT-NMP1	Wendover, Aylesbury	Free field	54.5 (60.0)	53.0 (58.1)	52.5 (57.6)	49.3 (55.5)	48.4 (58.8)	50.6 (55.7)	50.2 (55.7)	50.0 (56.9)	49.5 (55.3)	47.1 (54.5)	51.0 (57.3)	49.2 (59.2)
CSG	CSG-NMP1	Chalfont St Giles Vent Shaft, Bottom House Farm Lane	Free field	50.0 (55.0)	50.5 (54.1)	48.6 (57.0)	44.4 (53.1)	41.9 (56.8)	48.6 (51.8)	49.3 (51.3)	47.9 (52.9)	47.0 (52.9)	41.8 (50.9)	48.9 (58.0)	42.1 (53.8)
CSP	CSP-NMP2	Chalfont St Peter Vent Shaft, Chesham Lane	Free field	45.7 (48.6)	47.9 (49.9)	46.4 (50.3)	44.1 (49.9)	39.6 (49.6)	43.1 (43.7)	46.0 (48.2)	46.0 (52.1)	44.1 (51.6)	38.0 (45.8)	43.9 (49.2)	35.6 (45.3)
QAR	QAR-NMP2	Station Road, Quainton	Free field	48.6 (51.4)	49.8 (54.0)	46.9 (50.9)	43.0 (47.2)	42.7 (51.3)	44.1 (44.8)	47.2 (47.9)	50.3 (63.3)	45.1 (50.7)	41.8 (45.0)	46.8 (51.6)	42.6 (49.6)
	LSF-NMP1	Upper South Farm	Free field	54.5 (61.8)	60.6 (74.6)	43.3 (50.0)	39.3 (52.5)	40.5 (52.6)	50.1 (56.6)	58.6 (61.8)	57.9 (61.2)	54.3 (62.4)	39.4 (48.4)	54.0 (67.1)	42.2 (53.8)
CAL	FCC-NMP1	Calvert South	Free field	57.5 (62.5)	59.9 (62.0)	45.4 (50.0)	40.4 (49.7)	42.3 (54.4)	55.5 (59.6)	57.4 (63.6)	53.3 (61.2)	49.5 (63.5)	41.2 (48.3)	44.4 (50.9)	44.9 (60.9)
	SHC-NMP1	School Hill Compound, Calvert	Free field	56.2 (60.5)	61.3 (70.9)	50.0 (66.8)	45.3 (61.1)	48.9 (66.9)	54.7 (58.1)	65.2 (73.3)	62.7 (70.5)	55.3 (70.1)	46.5 (53.6)	53.5 (69.1)	49.7 (64.9)
HC	HC-NMP1	Hermitage, Chetwode	Free field	56.6 (60.7)	61.4 (64.2)	44.3 (52.1)	38.1 (53.4)	40.5 (55.9)	52.6 (56.4)	60.2 (62.2)	60.9 (63.9)	55.0 (63.9)	39.2 (46.4)	44.4 (53.2)	42.1 (57.1)
LM	LM-NMP1	Little Missenden Vent Shaft, A413,	Free field	55.4	55.4	56.3	53.6	47.6	50.3	52.0	52.9	52.6	47.0	53.2	46.8

		Amersham		(59.3)	(60.4)	(58.8)	(58.2)	(57.7)	(51.6)	(53.2)	(53.5)	(54.7)	(51.1)	(58.3)	(52.2)
	PWC-NMP1	Pipers Wood Cottage, Little Missenden Vent Shaft, A413, Amersham	Free field	60.1 (61.8)	59.8 (61.3)	62.1 (62.7)	58.7 (61.1)	53.4 (66.4)	58.1 (58.1)	59.3 (59.3)	59.6 (59.6)	58.8 (59.6)	52.8 (57.4)	59.2 (61.0)	51.8 (57.2)
CHSM	MDL-NMP1	Meadow Leigh Cottage, Firth Hill, South Heath	Free field	55.7 (60.4)	56.7 (65.2)	56.2 (58.8)	53.8 (60.2)	48.2 (59.3)	52.8 (54.0)	55.6 (56.1)	56.2 (56.9)	55.1 (59.2)	47.4 (53.1)	53.4 (59.4)	45.9 (52.5)
MF	MF-NMP1	Moat Farm, Marsh Lane	Free field	55.3 (58.1)	61.5 (70.7)	49.8 (54.0)	48.1 (52.0)	45.3 (57.5)	49.0 (51.3)	56.9 (61.9)	55.4 (59.9)	54.0 (62.8)	45.0 (54.6)	49.0 (54.0)	46.1 (53.8)
RLE	NCAS6-NMP1	Chesham Lane, The Lee, Wendover	Free field	52.8 (59.4)	55.3 (61.1)	50.5 (58.8)	47.6 (58.5)	44.3 (53.5)	48.2 (49.3)	51.2 (52.4)	51.7 (53.1)	49.9 (55.7)	42.8 (48.7)	49.7 (54.8)	45.0 (53.0)
NLL	NLL-NMP2	Nash Lee Lane, Nash Lee	Free field	53.4 (59.2)	55.7 (60.7)	51.0 (55.1)	48.1 (53.1)	46.0 (56.9)	49.1 (51.0)	52.7 (56.4)	52.8 (56.7)	51.9 (57.4)	45.6 (51.2)	49.9 (53.9)	47.3 (54.3)
SE	SE-NMP1	School End, Chetwode	Free field	56.6 (69.5)	62.2 (74.9)	46.0 (53.8)	42.9 (53.7)	42.7 (56.0)	51.2 (53.2)	59.2 (62.0)	59.4 (63.8)	52.5 (60.2)	42.4 (52.8)	45.9 (55.9)	42.7 (58.4)
A422 TN	TN-NMP1	Turweston North, Brackley	Free field	49.8 (52.9)	52.0 (55.1)	47.9 (50.5)	45.2 (53.2)	46.1 (59.4)	47.0 (50.1)	49.7 (53.3)	49.2 (53.4)	46.4 (52.7)	45.6 (61.0)	46.8 (51.7)	45.8 (53.3)
	TN-NMP2	Turweston East, Brackley	Free field	49.0 (51.7)	52.0 (56.3)	45.2 (47.8)	42.9 (47.8)	43.1 (51.1)	41.8 (41.8)	42.0 (42.0)	50.0 (50.0)	42.0 (47.5)	35.9 (43.1)	44.1 (51.3)	40.8 (47.9)
TW	TW-NMP1	Twyford, Twyford	Free field	44.4 (47.6)	46.9 (50.6)	41.2 (45.2)	38.8 (47.8)	39.9 (51.1)	43.6 (45.7)	47.1 (50.3)	43.9 (46.1)	42.1 (48.8)	38.9 (44.0)	43.1 (51.1)	39.6 (45.3)
WDL	WDL-NMP1	Woodlands Farmhouse, Station Rd, Quainton	Free field	62.4 (75.2)	66.3 (78.0)	48.8 (67.0)	46.9 (68.1)	48.6 (74.9)	56.8 (60.4)	65.9 (76.0)	65.2 (76.4)	58.4 (75.3)	45.5 (52.6)	55.7 (67.6)	49.5 (65.0)
WDV	WDV-NMP1	A413, Wendover, Upper Wendover Dean Farm	Free field	54.1 (64.5)	59.5 (61.4)	49.9 (55.3)	47.7 (54.5)	46.7 (58.7)	50.3 (51.1)	53.6 (54.9)	49.0 (54.5)	49.1 (55.0)	47.7 (54.2)	50.8 (55.1)	46.8 (54.8)
WSO	WSO-NMP1	West Street, Twyford	Free field	44.6 (50.9)	49.8 (62.5)	42.8 (45.9)	38.9 (50.7)	38.5 (46.7)	47.8 (52.2)	45.3 (47.7)	43.3 (46.8)	42.2 (47.2)	38.0 (46.4)	42.8 (51.2)	38.2 (45.0)
TVV	TVV-NMP1	Aylesbury, Buckinghamshire	Free field	47.3 (51.2)	51.7 (58.8)	44.7 (49.1)	42.0 (50.9)	40.8 (52.0)	46.0 (47.0)	47.4 (51.1)	48.2 (50.1)	46.3 (57.6)	39.4 (45.7)	44.1 (50.3)	39.9 (49.7)
GC	GC-NMP1	Aylesbury, Buckinghamshire	Free field	47.4 (50.6)	49.6 (54.9)	43.9 (48.9)	41.5 (47.8)	40.9 (50.1)	44.8 (46.9)	47.5 (49.3)	47.8 (49.9)	43.4 (46.5)	40.1 (46.5)	45.4 (58.0)	40.8 (48.4)
WAD	WAD-NMP2	Waddesdon, Buckinghamshire	Free field	51.0 (55.4)	52.9 (58.2)	46.2 (52.6)	42.7 (55.0)	41.8 (55.2)	46.6 (51.1)	50.5 (54.0)	48.8 (54.7)	46.9 (62.3)	39.3 (45.2)	45.5 (54.1)	41.4 (51.8)
SH	HHF-NMP1	Hammonds Hall Farm, Potter Row, South Heath	Free field	46.1 (51.8)	61.0 (64.5)	48.8 (62.5)	45.3 (60.8)	40.2 (63.2)	44.0 (45.2)	59.1 (62.8)	59.3 (64.2)	55.2 (65.1)	38.2 (45.1)	47.1 (55.1)	41.5 (52.5)
	PKF-NMP1	Park Farm, South Heath	Free field	48.9 (54.7)	52.9 (63.2)	50.3 (61.4)	46.4 (64.9)	42.3 (65.1)	47.4 (57.4)	50.3 (55.0)	48.7 (55.5)	48.1 (56.9)	40.7 (53.4)	49.7 (58.8)	44.8 (54.6)

2.1.2 Table 4: Summary of Measured PPV Data over the Monitoring Period presents a summary of the measured vibration levels at each monitoring location over the reporting period. The highest PPV measured during the monitoring along any axis is presented in the table.

Table 4: Summary of Measured PPV Data over the Monitoring Period

Worksite Reference	Measurement Reference	Monitor Address	Highest PPV measured in any axis, mm/s
CAL	BRA-Vib1	13 Brackley Lane, Calvert Village	1.25 (Z-axis)
WGT	ER-Vib1	Ellesborough Rd, Wendover	2.37 (Z-axis)
WSO	PF-Vib1	Twyford, Buckinghamshire	2.37 (X-axis)
SE	SE-Vib1	School End, Chetwode	4.30 (X-axis)
QAR	SR-Vib1	Station Road, Quainton	2.13 (X-axis)
WDL	WC-Vib1	Quainton, Buckinghamshire	56.20 (X-axis)
	WDL-Vib1	Station Road, Quainton	2.11 (X-axis)

2.1.3 Appendix C presents graphs of the noise and vibration monitoring data over the month for each of the measurement locations. Noise data presented consists of the hourly LAeq values and, where relevant, the LAeq,T values (where the time period T has been taken to be the averaging period as specified in Table 1 of HS2 Information Paper E23). Vibration data presented consist of hourly PPV values. The full data set for the monitoring equipment can be found at the following location: https://data.gov.uk/dataset/24542ae7-dd44-444f-b259-871c4cc43b5e/environmental-monitoring-data.

2.2 Exceedances of the LOAEL and SOAEL

2.2.1 The lowest observed adverse effect level (LOAEL) is defined in the Planning Practice Guidance – Noise (PPG) as the level above which "noise starts to cause small changes in behaviour and/or attitude, e.g. turning up volume of television; speaking more loudly; where there is no alternative ventilation, having to close windows for some of the time because of the noise. Potential for some reported sleep disturbance. Affects the acoustic character of the area such that there is a perceived change in the quality of life".

2.2.2 The significant observed adverse effect level (SOAEL) is defined in the 'Planning Practice Guidance – Noise' as the level above which "noise causes a material change in behaviour and/or attitude, e.g. avoiding certain activities during periods of intrusion; where there is no alternative ventilation, having to keep windows closed most of the time because of the noise. Potential for sleep disturbance resulting in difficulty in getting to sleep, premature awakening and difficulty in getting back to sleep. Quality of life diminished due to change in acoustic character of the area."

2.2.3 HS2 Phase One Information Paper E23: Control of Construction Noise and Vibration sets out the LOAEL and SOAELs for construction noise.

2.2.4 Where construction noise levels exceed the SOAEL, relevant periods will be identified, and summary statistics provided in order to evaluate ongoing qualification for noise insulation and temporary rehousing.

2.2.5 Table 5 presents a summary of recorded exceedances of the LOAEL and SOAEL at each measurement location over the reporting period, including the number of exceedances during each time period.

Table 5: Summary of Exceedances of LOAEL and SOAEL

Worksite Reference	Measurement Reference	Site Address	Day (Weekday, Saturday, Sunday, Night)	Time period	Number of exceedances of LOAEL	Number of exceedances of SOAEL
A422 TN	TN-NMP1	Turweston, Brackley	All days	All periods	No exceedances	No exceedances
	TN-NMP2	Turweston, Brackley	All days	All periods	No exceedances	No exceedances
AM	AM-NMP1	Whielden Ln, Amersham	All days	All periods	No exceedances	No exceedances
CHSM	MDL-NMP1	Meadow Leigh Cottage, Firth Hill, South Heath	Weekday	0700 - 0800	1	No exceedances
				0800 - 1800	1	No exceedances
			Saturday	1400 - 2200	2	No exceedances
CSG	CSG-NMP1	Chalfont Saint Giles Vent Shaft	All days	All periods	No exceedances	No exceedances
CSP	CSP-NMP2	Chalfont St Peter Vent Shaft	All days	All periods	No exceedances	No exceedances
CAL	FCC-NMP1	Calvert South	Weekday	0700 - 0800	6	No exceedances
			Saturday	0700 - 0800	1	No exceedances
				0800 - 1300	1	No exceedances
				1300 - 1400	1	No exceedances
	SHC-NMP1	School Hill Compound, Calvert	Weekday	0700 - 0800	6	No exceedances
				0800 - 1800	5	No exceedances
				1800 - 1900	1	No exceedances
			Saturday	0700 - 0800	1	No exceedances
				0800 - 1300	2	1
				1300 - 1400	3	1
GC	GC-NMP1	Aylesbury, Buckinghamshire	All days	All periods	No exceedances	No exceedances
HC	HC-NMP1	Hermitage, Chetwode	Weekday	0700 - 0800	4	No exceedances
				0800 - 1800	5	No exceedances
			Saturday	1300 - 1400	3	No exceedances
				1400 - 2200	4	No exceedances
LM	LM-NMP1	Little Missenden Vent Shaft Worksite	All days	All periods	No exceedances	No exceedances
	PWC-NMP1	Patricia Holmes, Little Missenden Vent Shaft Worksite, Amersham	Weekday	0700 - 0800	1	No exceedances
				1800 - 1900	4	No exceedances
			Saturday	1300 - 1400	1	No exceedances
				1400 - 2200	1	No exceedances
MF	MF-NMP1	Moat Farm, Marsh Lane	Weekday	0800 - 1800	3	No exceedances
			Saturday	1300 - 1400	1	No exceedances
NLL	NLL-NMP2	Nash Lee Lane, Nash Lee	Weekday	0700 - 0800	1	No exceedances
NP	BFH-NMP1	Bury Farm, Great Missenden	Weekday	1900 - 2200	1	No exceedances

	BLH-NMP1	Bayleys Hatch, South Heath, Great Missenden	Weekday	1900 - 2200	1	No exceedances
	ORC-NMP1	Orchard Cottage, Ballinger Road, South Heath	Weekday	0800 - 1800	1	No exceedances
				1900 - 2200	1	No exceedances
QAR	QAR-NMP2	Station Rd, Quainton	Saturday	1300 - 1400	1	No exceedances
	LSF-NMP1	Upper South Farm	Weekday	0700 - 0800	4	No exceedances
				0800 - 1800	4	1
			Saturday	1300 - 1400	1	No exceedances
RLE	NCAS6-NMP1	Chesham Lane, The Lee, Wendover	Weekday	0700 - 0800	1	No exceedances
				1800 - 1900	1	No exceedances
SE	SE-NMP1	School End, Chetwode	Weekday	0700 - 0800	4	No exceedances
				0800 - 1800	4	2
			Saturday	1300 - 1400	2	No exceedances
				1400 - 2200	4	No exceedances
SH	HHF-NMP1	Hammonds Hall Farm, Potter Row, South Heath	Weekday	0800 - 1800	4	No exceedances
				1800 - 1900	3	No exceedances
				1900 - 2200	1	No exceedances
			Saturday	0800 - 1300	1	No exceedances
				1300 - 1400	3	No exceedances
				1400 - 2200	3	No exceedances
	PKF-NMP1	Park Farm, South Heath	Weekday	0800 - 1800	1	No exceedances
				1800 - 1900	1	No exceedances
				1900 - 2200	3	No exceedances
			Saturday	1400 - 2200	1	No exceedances
TVV	TVV-NMP1	Aylesbury, Buckinghamshire	All days	All periods	No exceedances	No exceedances
TW	TW-NMP1	Aylesbury, Buckinghamshire	All days	All periods	No exceedances	No exceedances
WAD	WAD-NMP2	Waddesdon, Buckinghamshire	Weekday	1900 - 2200	1	No exceedances
WDL	WDL-NMP1	Woodlands Farmhouse, Station Rd, Quainton	Weekday	0700 - 0800	22	1
				0800 - 1800	21	2
				1800 - 1900	1	No exceedances
			Saturday	0700 - 0800	1	No exceedances
				0800 - 1300	3	1
				1300 - 1400	4	1
WDV	WDV-NMP1	A413, Wendover	Weekday	0700 - 0800	2	No exceedances
WGT	BL-NMP1	Bacombe Lane, Wendover	All days	All periods	No exceedances	No exceedances
	ER-NMP1	Ellesborough Rd, Wendover	All days	All periods	No exceedances	No exceedances
	WGT-NMP1	Wendover, Aylesbury	Weekday	0700 - 0800	6	No exceedances
WSO	WSO-NMP1	West Street, Twyford	All days	All periods	No exceedances	No exceedances

2.2.6 There were exceedances of the LOAEL, during March 2026, due to HS2 construction works.

2.2.7 For the purpose of assessing eligibility for noise insulation or temporary rehousing, multiple exceedances of the SOAEL in a 24-hour period would be counted as a single exceedance during that day. Over the reporting period, the overall number of SOAEL exceedances at each measurement location is shown in Table 6 and may be lower than the total sum of individual exceedances reported in Table 5 for each location.

Table 6: Summary of Total Exceedances of SOAEL

Worksite Reference	Measurement Reference	Monitor Address	Total of SOAEL exceedances in the month
QAR	LSF-NMP1	Upper South Farm	1
SE	SE-NMP1	School End, Chetwode	2
CAL	SHC-NMP1	School Hill Compound, Calvert	1
WDL	WDL-NMP1	Woodlands Farmhouse, Station Rd, Quainton	4

2.3 Exceedances of Trigger Level

2.3.1 Table 7 provides a summary of exceedances of the S61 trigger noise levels determined to be due to HS2 related construction noise measured during the reporting period, along with the findings of any investigation.

Table 7: Summary of Exceedances of Trigger Levels

Complaint Reference Number (if applicable)	Worksite Reference	Date and Time Period	Identified Source	Results of Investigation (including noise monitoring results)	Actions Taken
-	-	-	-	-	-

2.4 Complaints

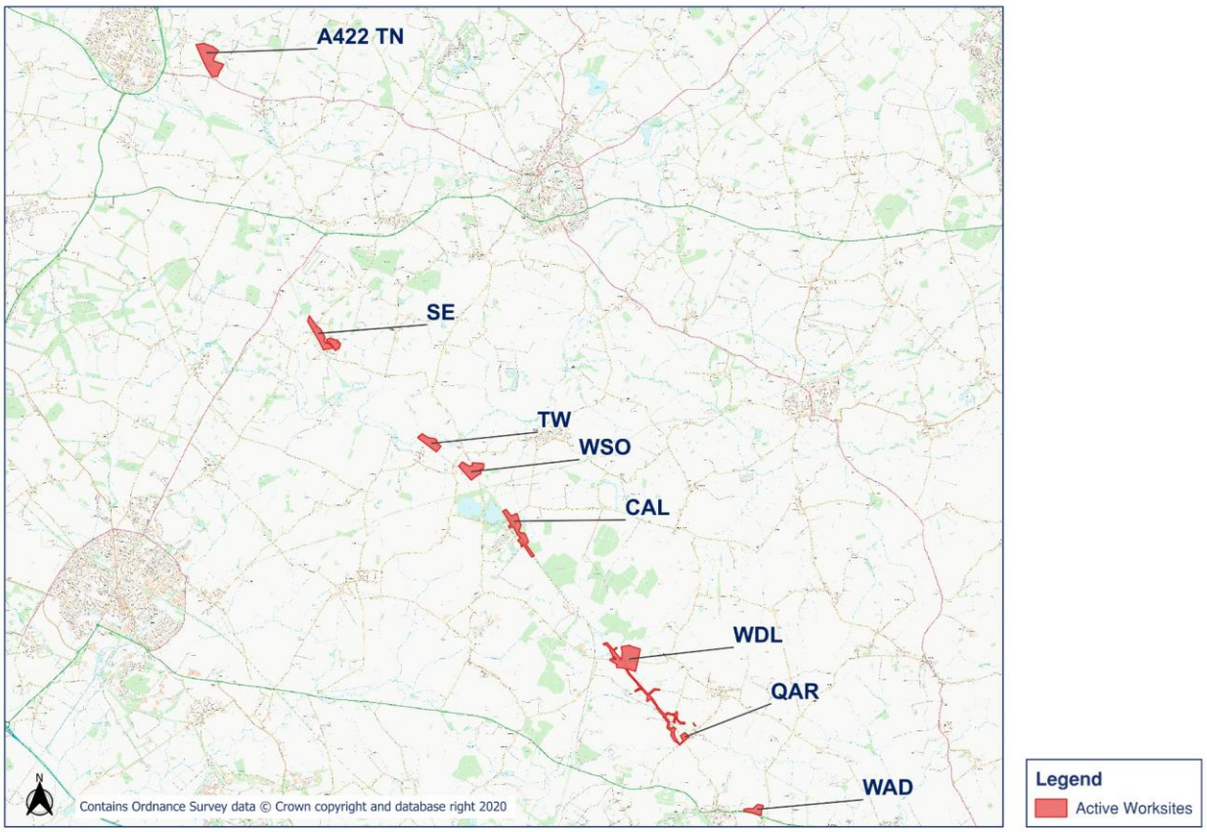
2.4.1 Table 8 provides a summary of complaint information related to noise and vibration received during the reporting period, along with the findings of any investigation.

Table 8: Summary of Complaints

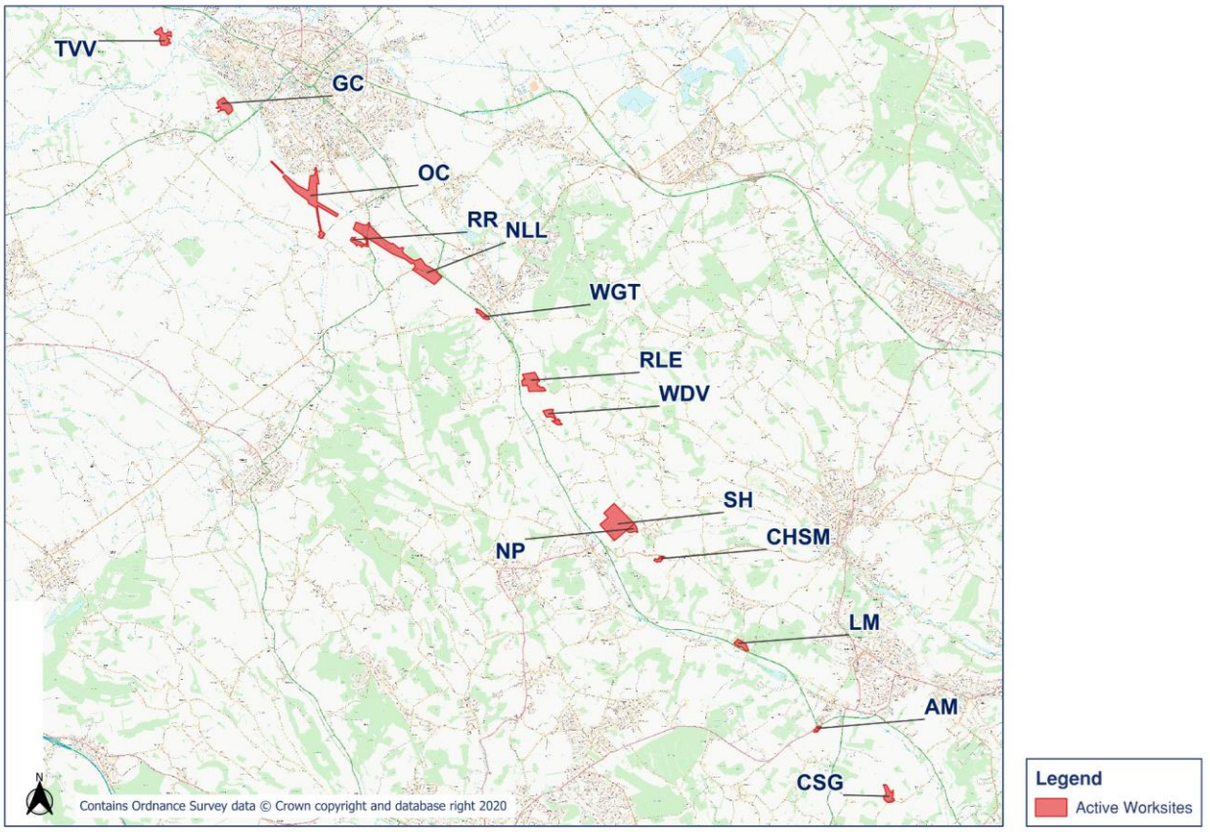
Complaint Reference Number	Worksite Reference	Description of Complaint	Results of Investigation	Actions Taken
-	-	-	-	-

Appendix A Site Locations

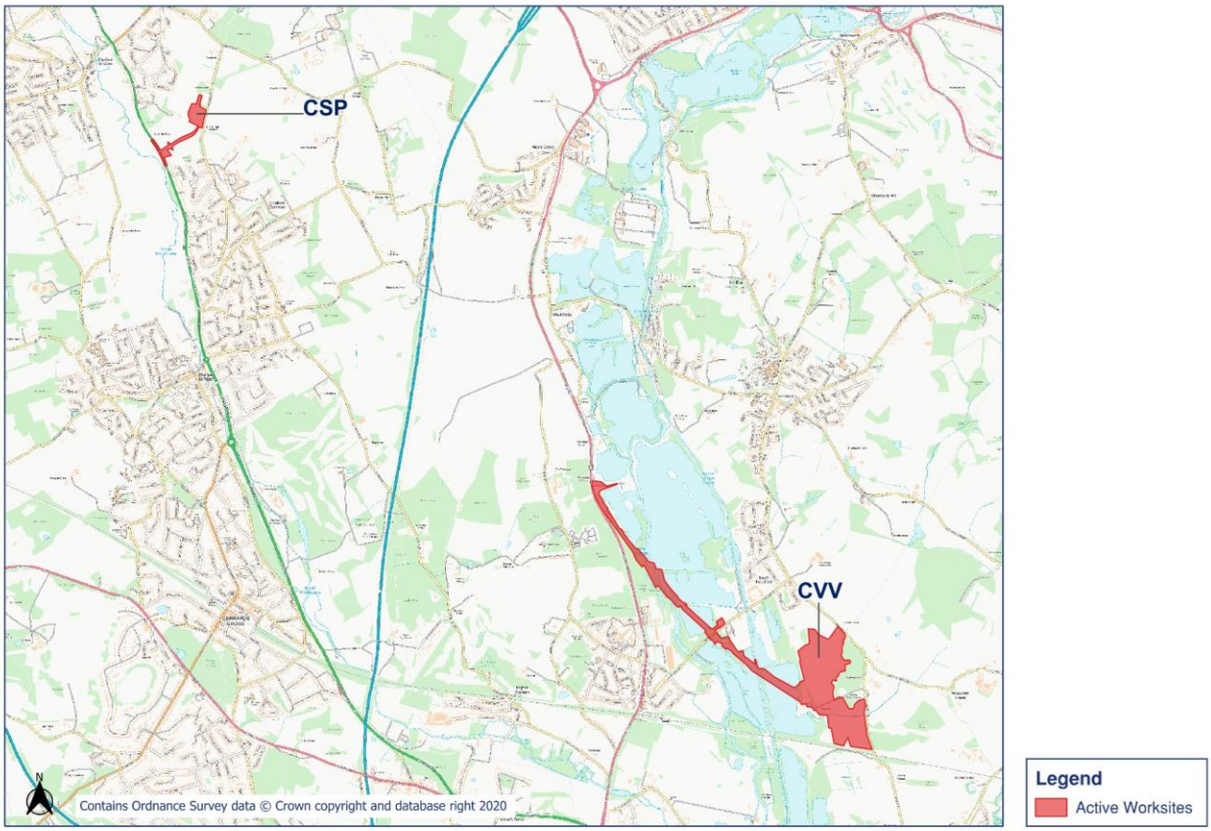
HS2 **Worksite Identification Plan - Overview 1**



HS2 Worksite Identification Plan - Overview 2

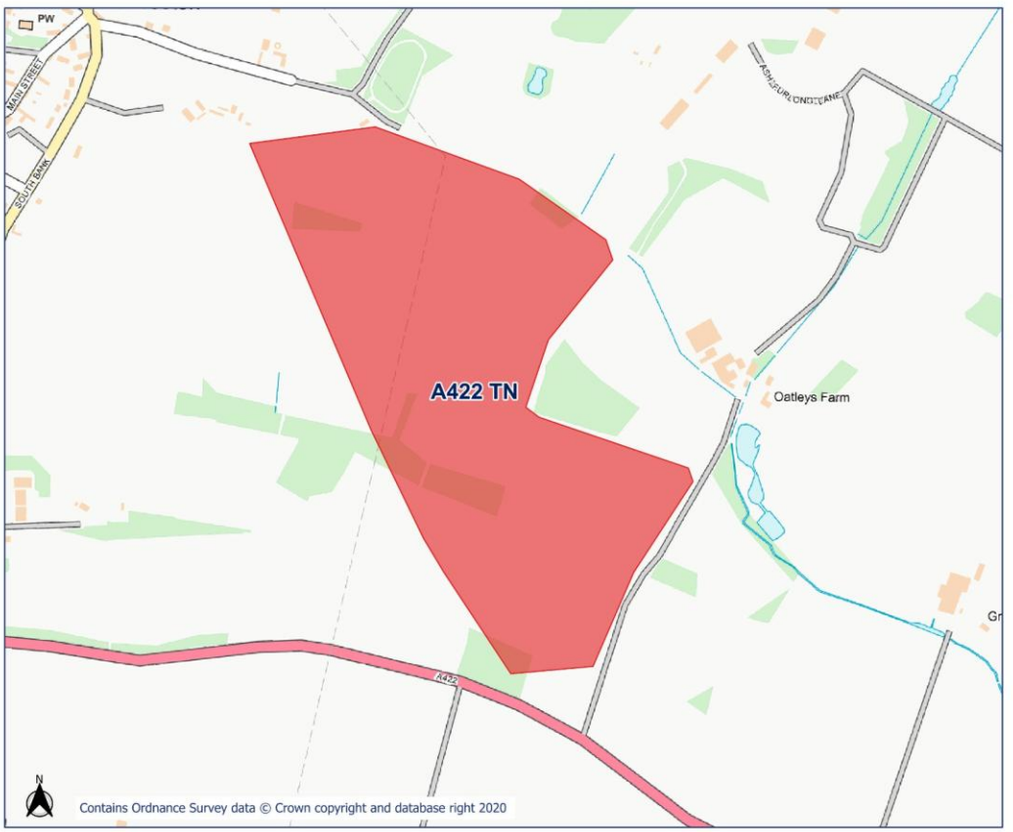


HS2 Worksite Identification Plan - Overview 3



HS2

Worksite Identification Plan - 1

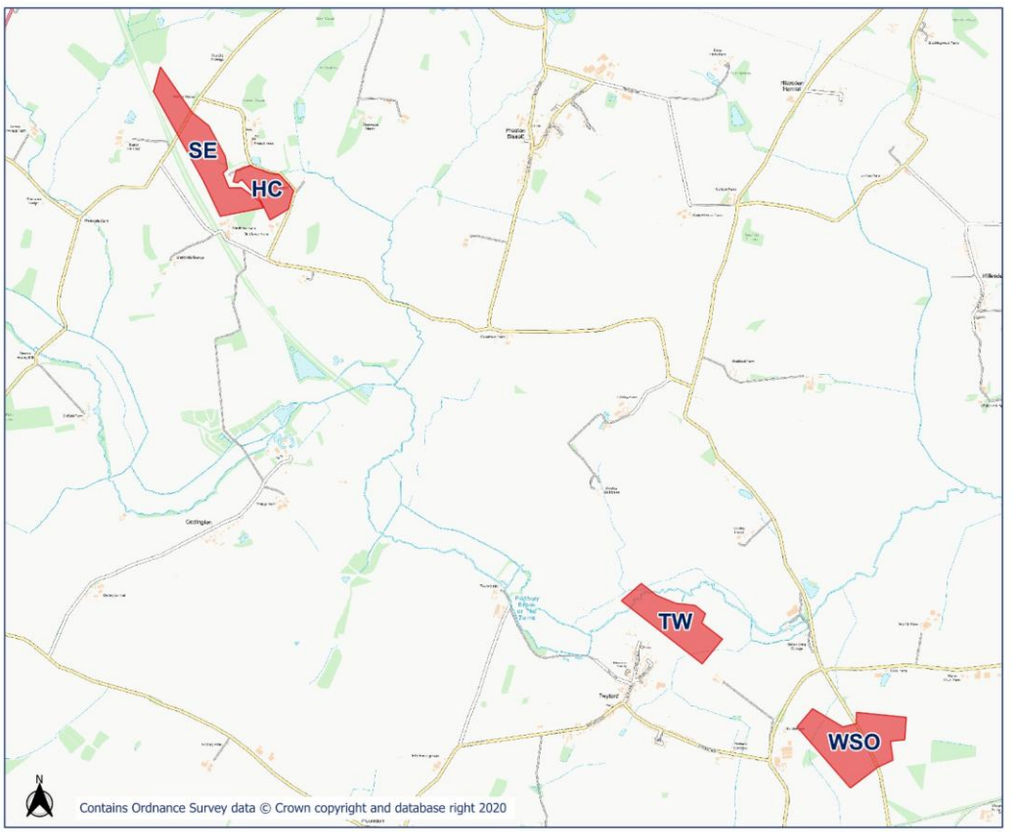


Legend

Active Worksites

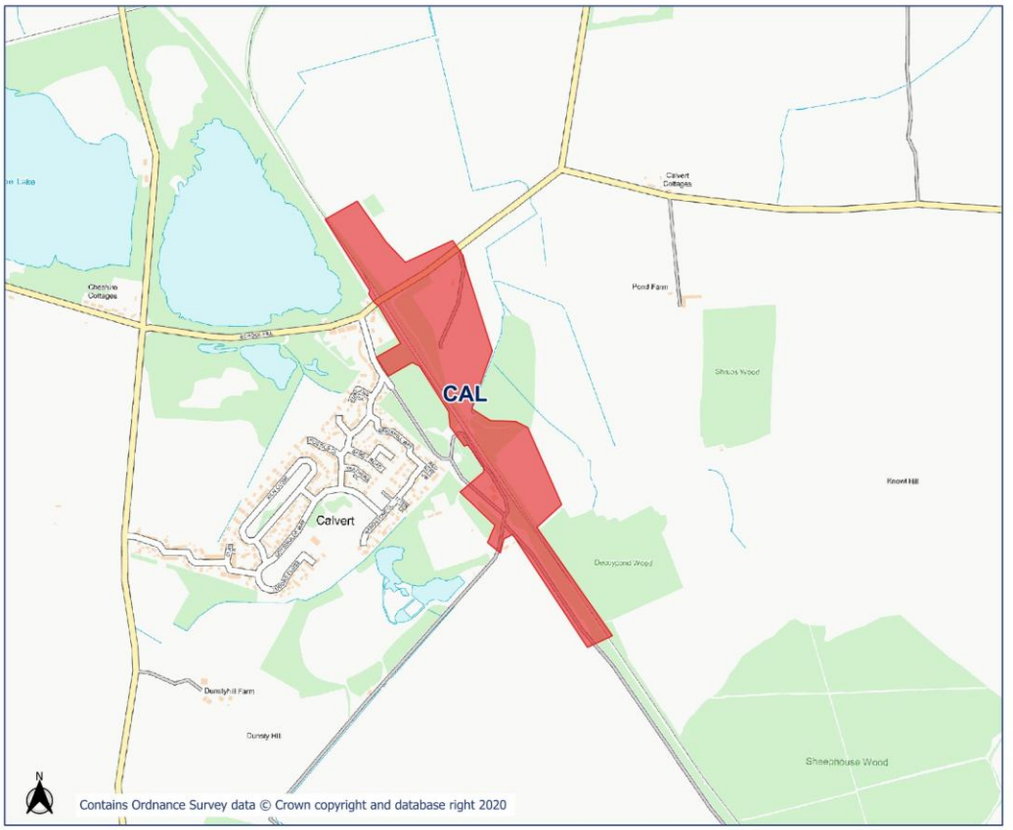
HS2

Worksite Identification Plan - 2



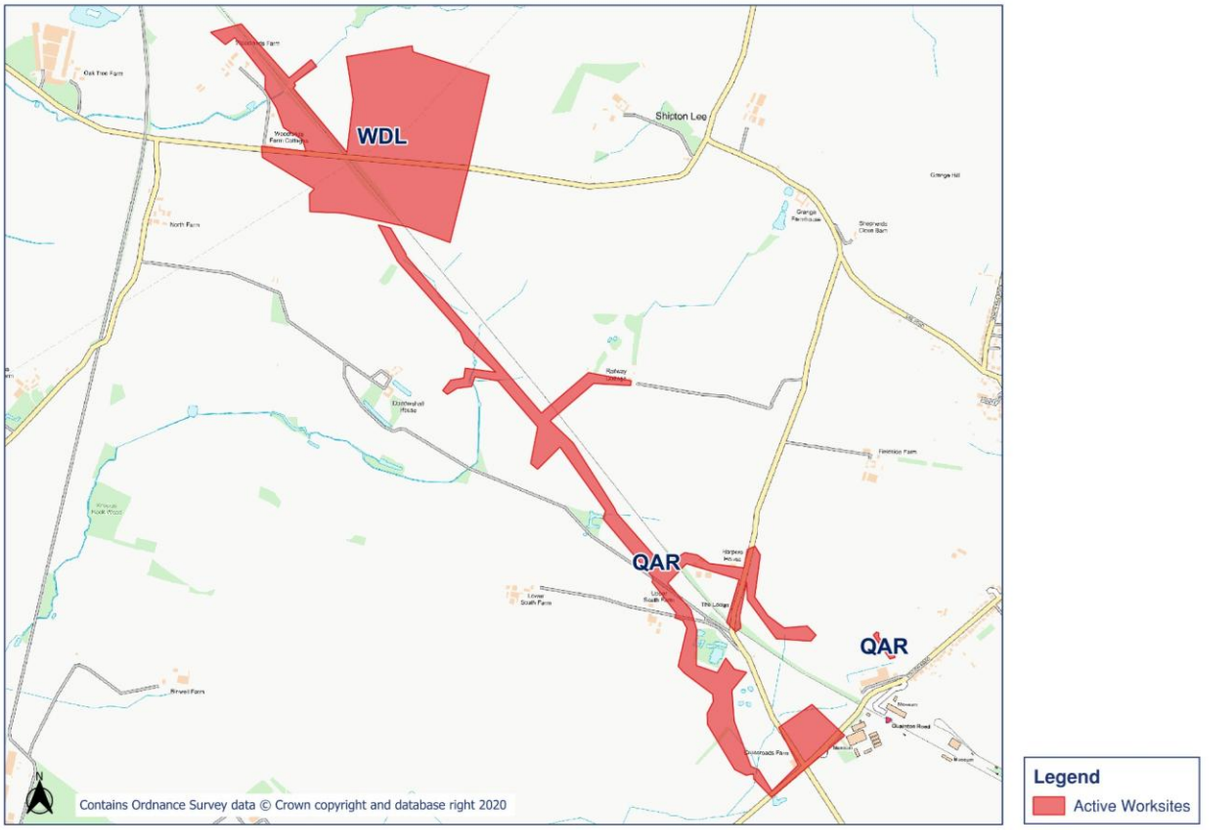
HS2

Worksite Identification Plan - 3



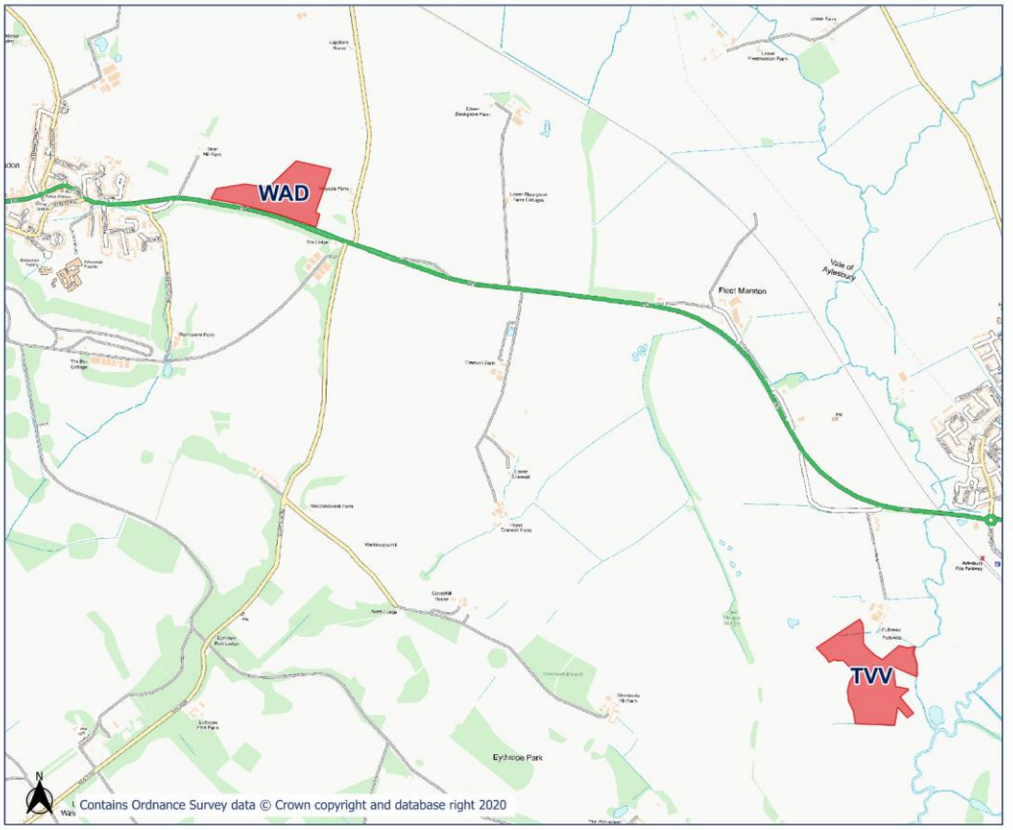
HS2

Worksite Identification Plan - 4



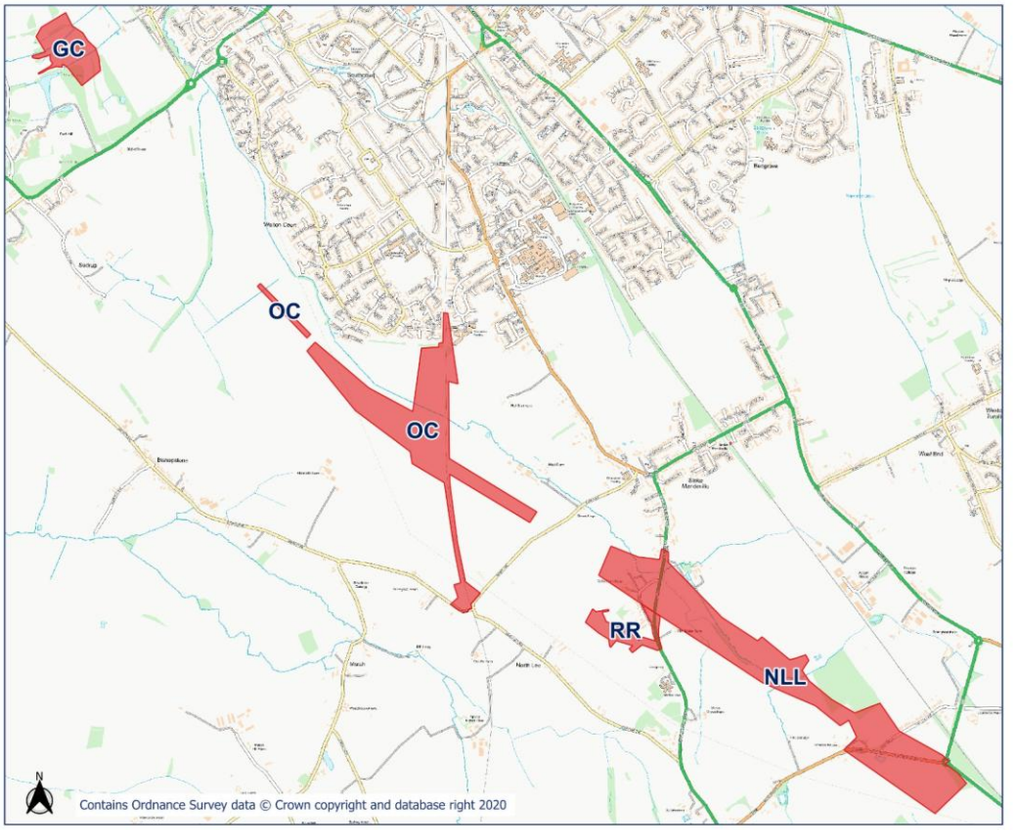
HS2

Worksite Identification Plan - 5

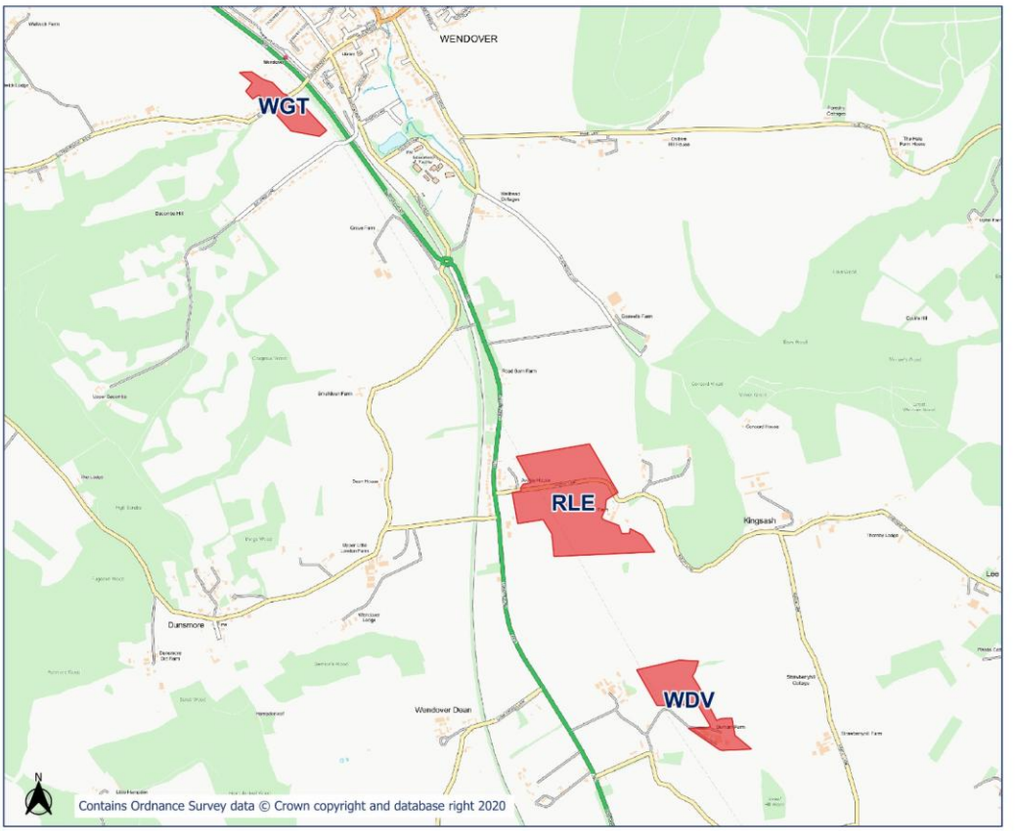


HS2

Worksite Identification Plan - 6



Worksite Identification Plan - 7



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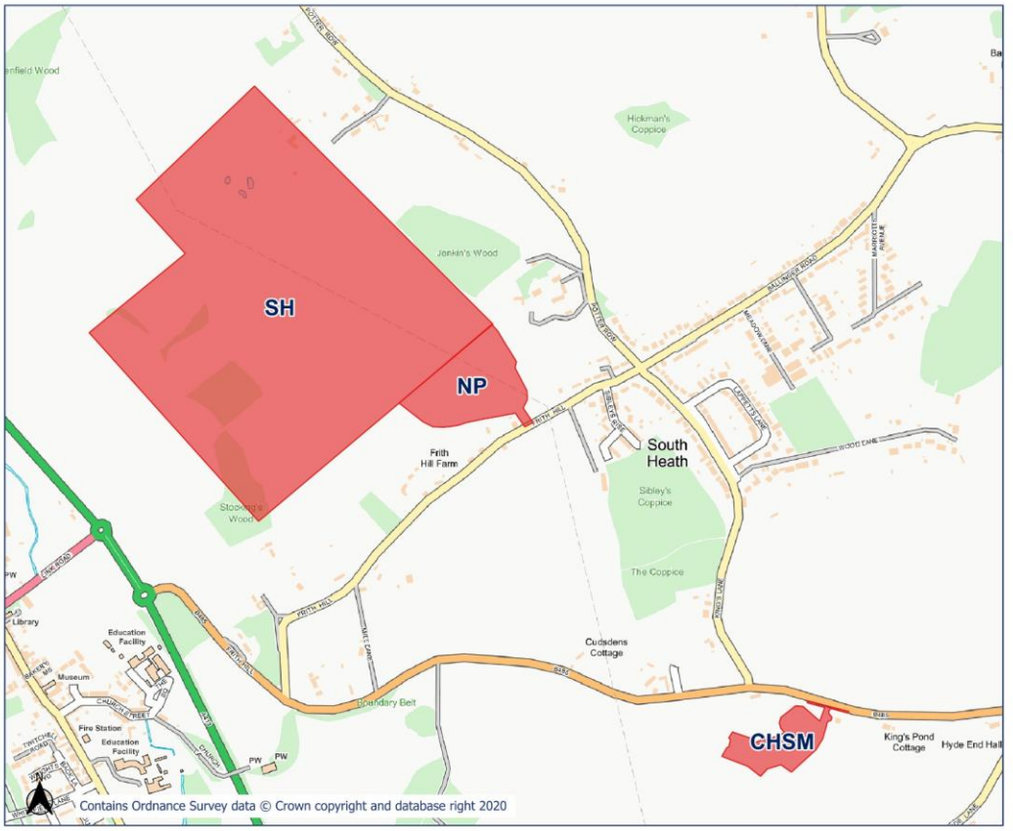
Active Worksites

Worksite Identification Plan - 8



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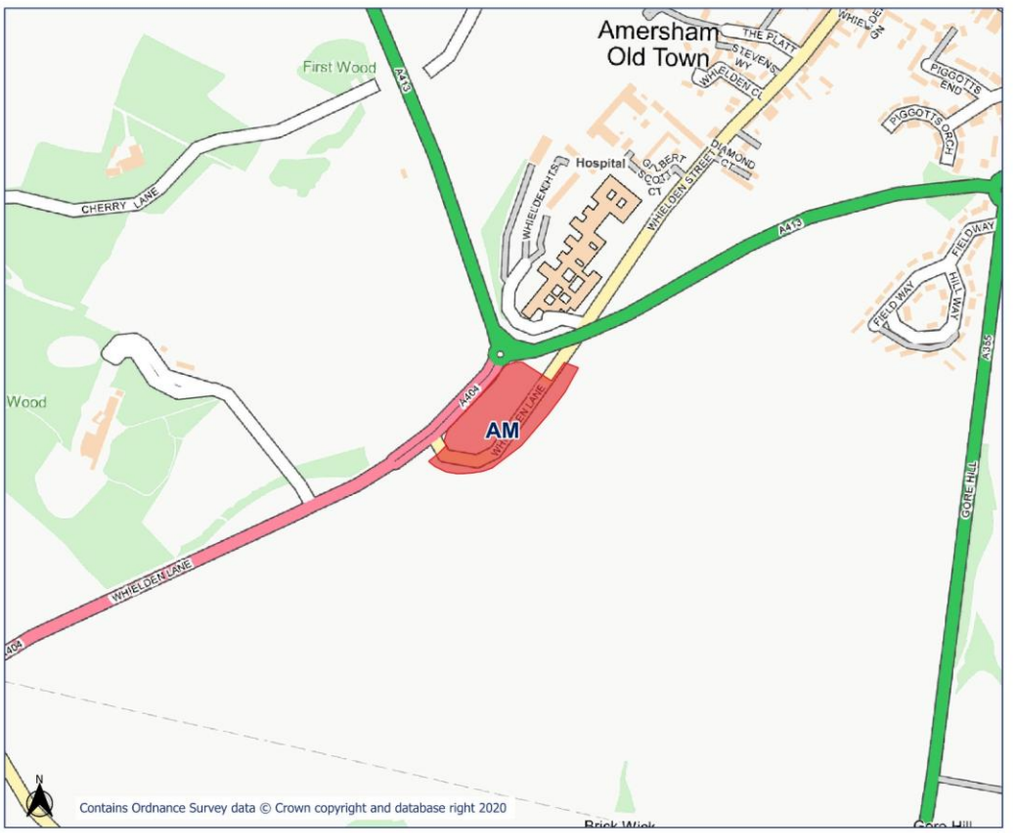
Active Worksites

HS2

Worksite Identification Plan - 9

HS2 Worksite Identification Plan - 10



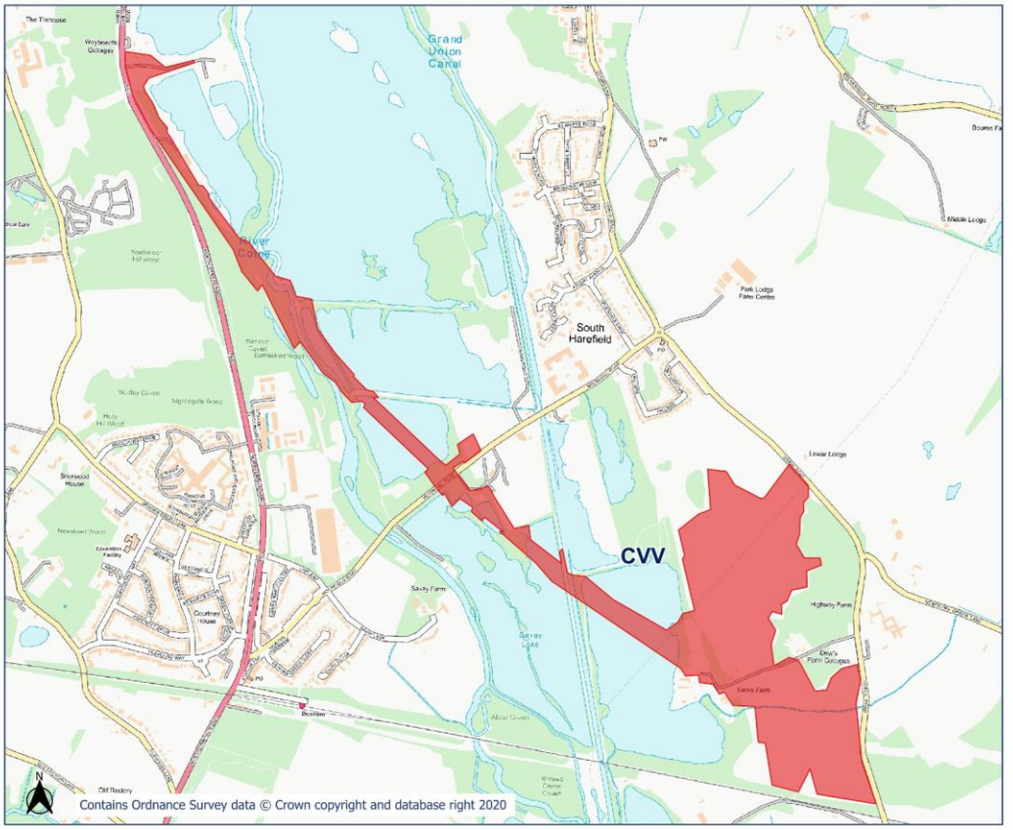
Legend

Active Worksites

HS2 Worksite Identification Plan - 11

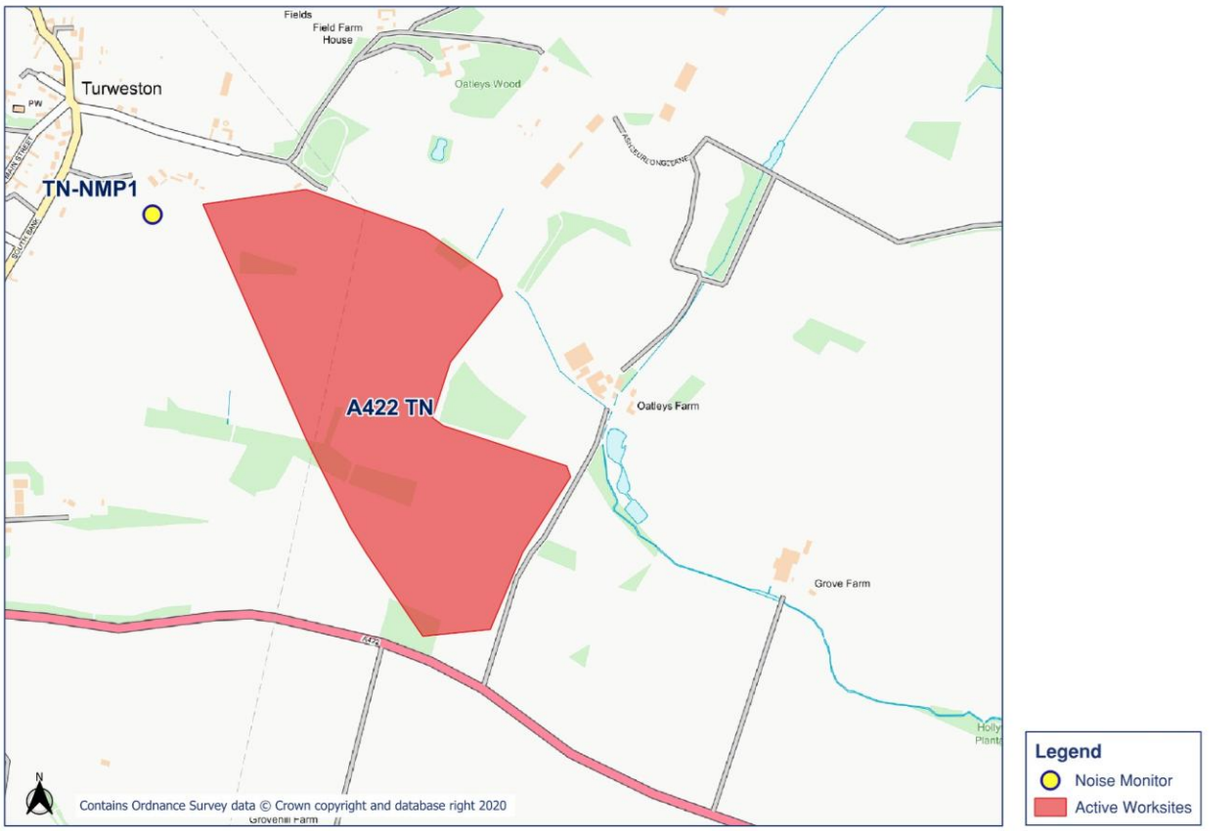
HS2 Worksite Identification Plan - 12

Worksite Identification Plan - 13



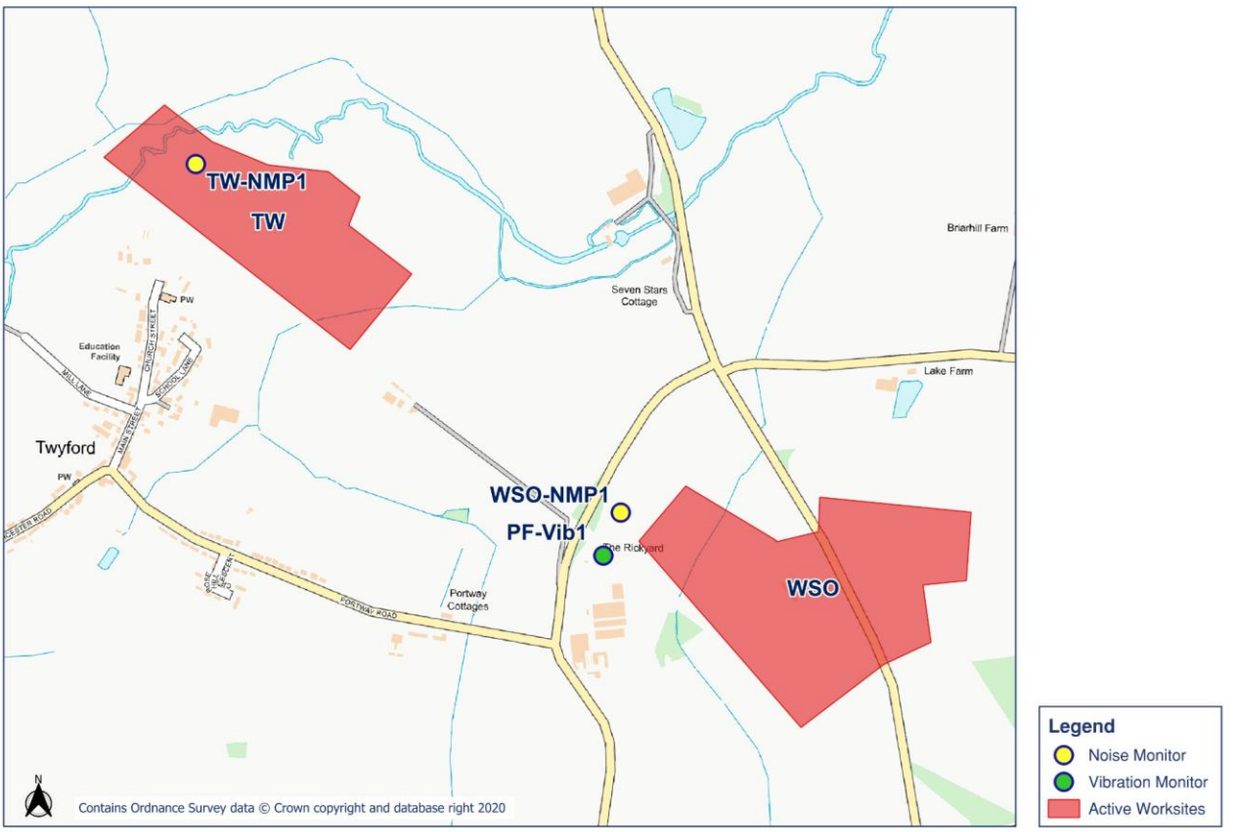
Appendix B Monitoring Locations

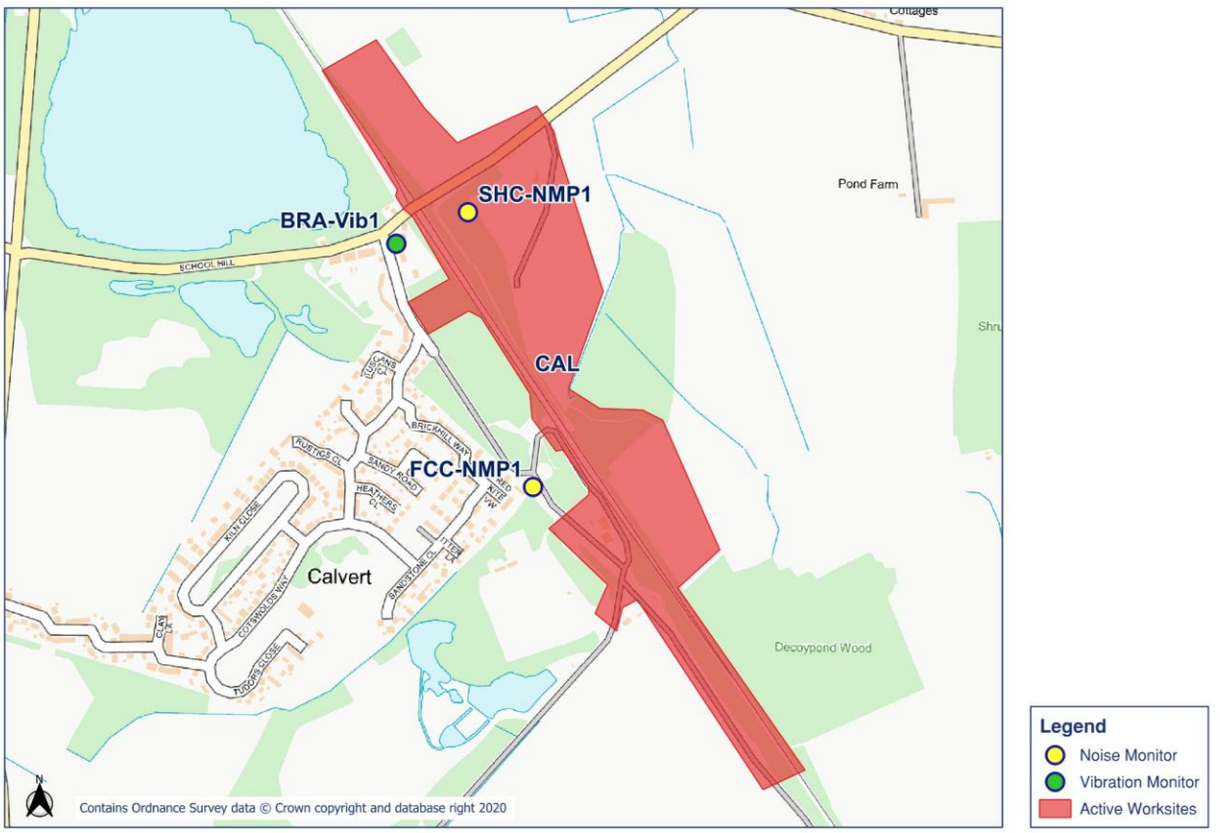
HS2 **Noise and Vibration Monitoring Plan - 1**

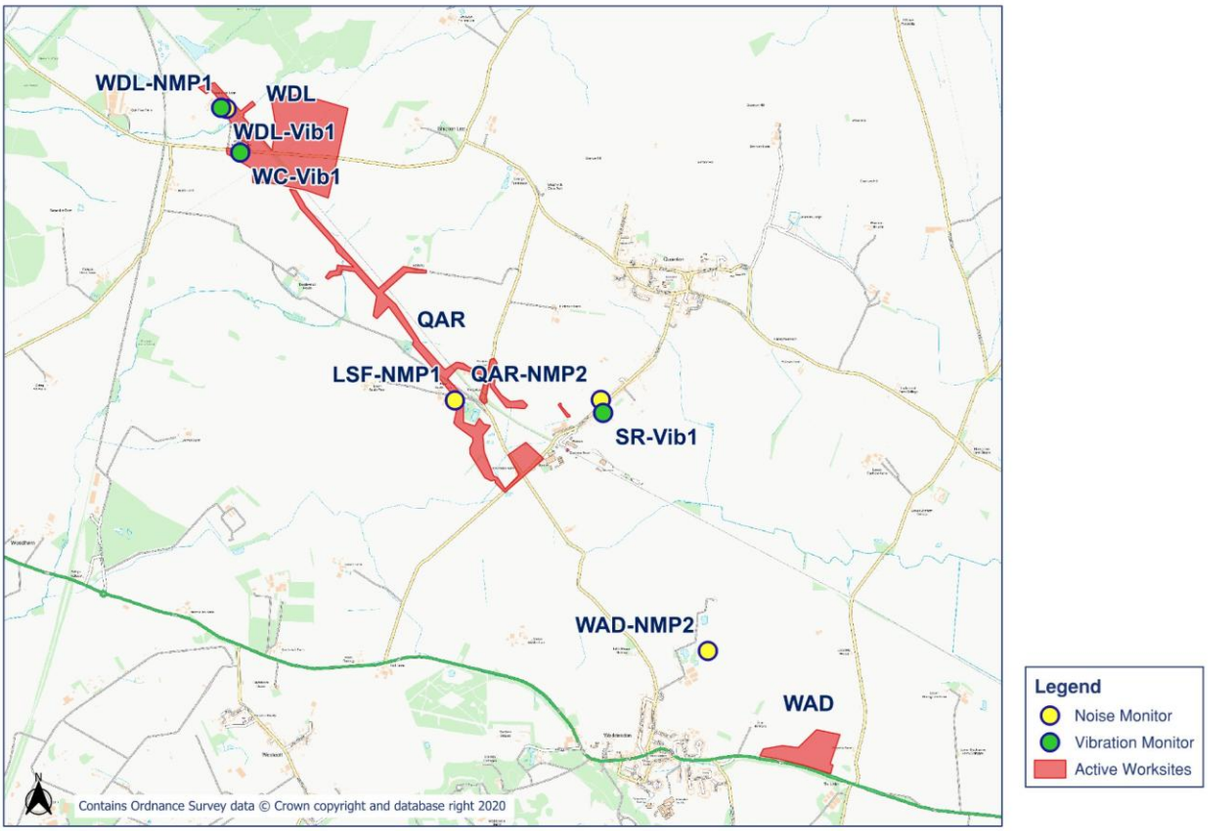



School House
Church Copse
SE-Vib1
SE-NMP1
PW
Priory House
Barton
Hill Farm
SE
HC-NMP1
HC
Chetwode
Manthorn Farm
Sunflower Farm
N
Contains Ordnance Survey data © Crown copyright and database right 2020
Legend
Noise Monitor
Vibration Monitor
Active Worksites

Noise and Vibration Monitoring Plan - 3




SHC-NMP1
BRA-Vib1
CAL
FCC-NMP1
Calvert
Pond Farm
Decoypond Wood
SCHOOL HILL
Contains Ordnance Survey data © Crown copyright and database right 2020
Legend
Noise Monitor
Vibration Monitor
Active Worksites


WDL-NMP1
WDL
WDL-Vib1
WC-Vib1
QAR
LSF-NMP1
QAR-NMP2
SR-Vib1
WAD-NMP2
WAD
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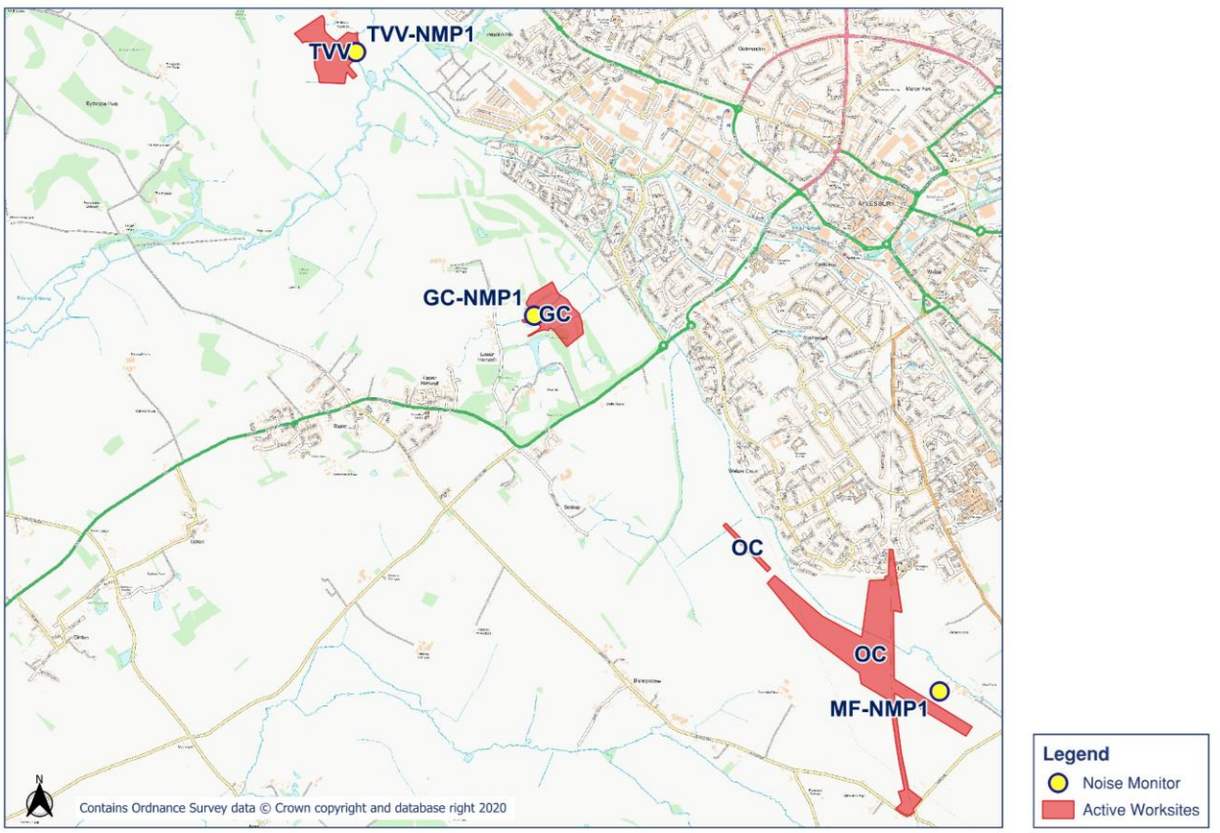
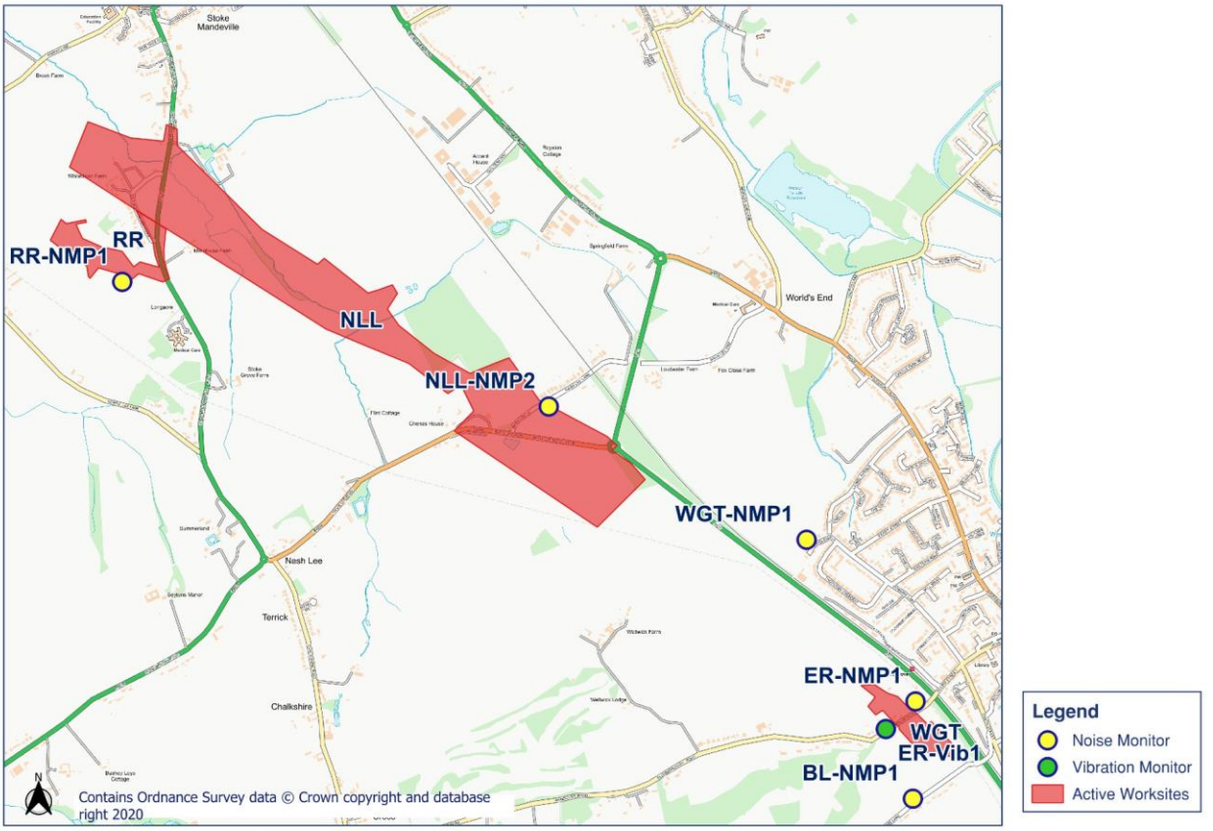
Legend
Noise Monitor
Vibration Monitor
Active Worksites

Noise and Vibration Monitoring Plan - 6

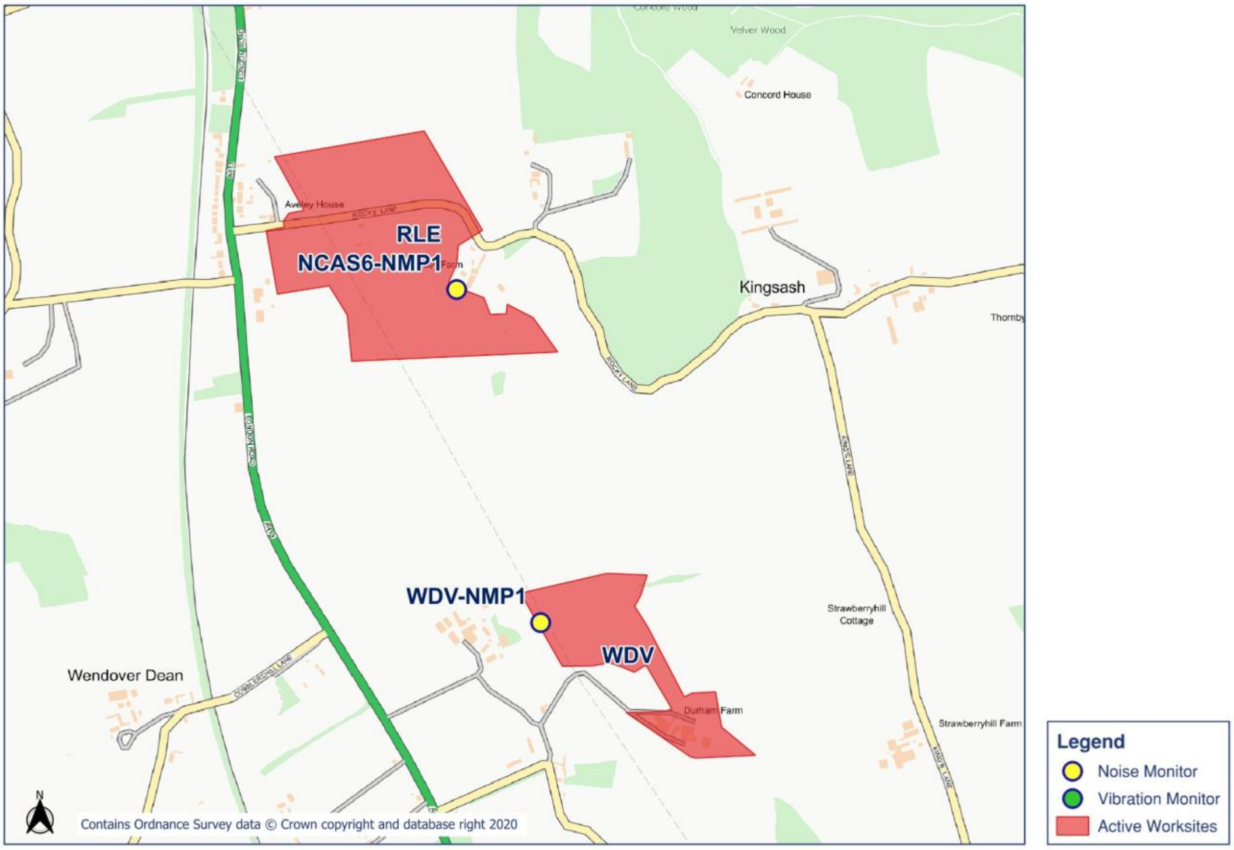


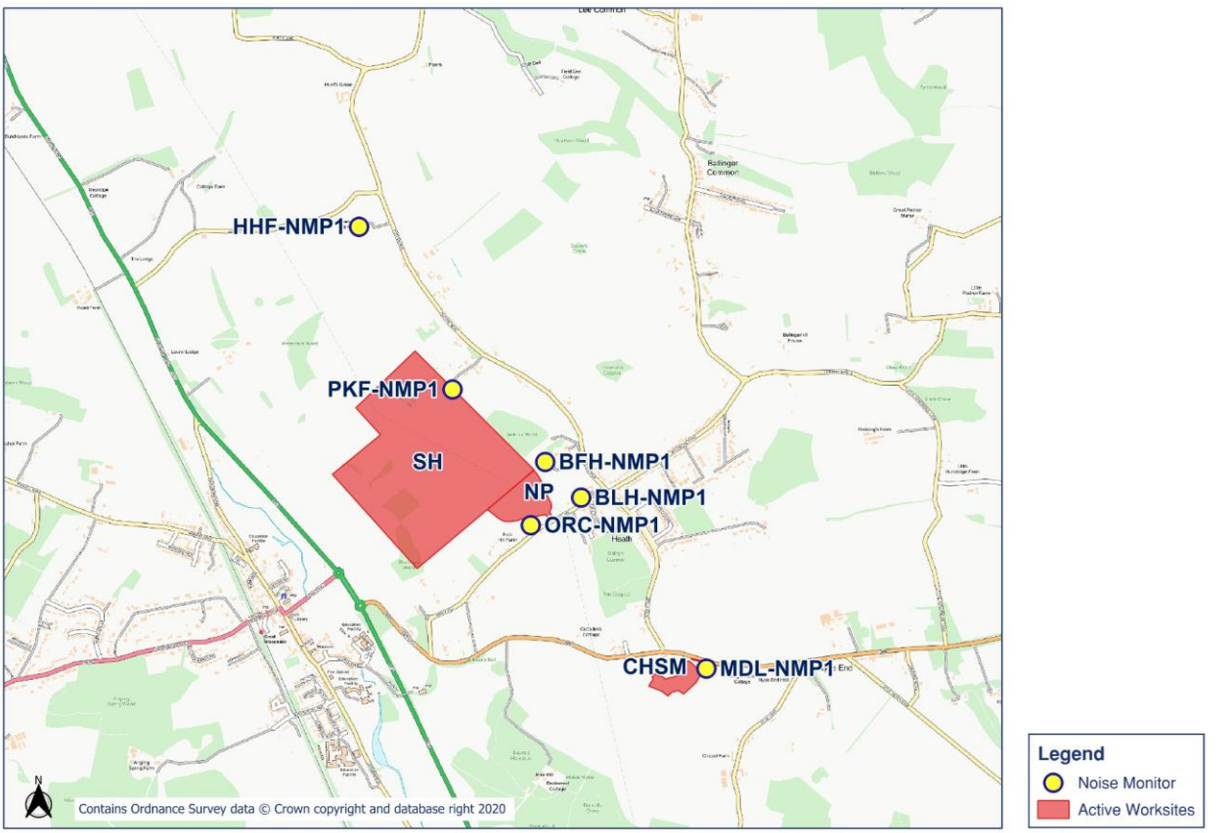
HS2 Noise and Vibration Monitoring Plan - 7



HS2

Noise and Vibration Monitoring Plan - 8




HHF-NMP1
PKF-NMP1
SH
BFH-NMP1
NP
BLH-NMP1
ORC-NMP1
CHSM
MDL-NMP1
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Legend
Noise Monitor
Active Worksites


KEEPERS LANE
Lott's Wood
Keeper's Wood
PWC-NMP1
A413
LM-NMP1
LM
Kennel Farm
Garden Plantation
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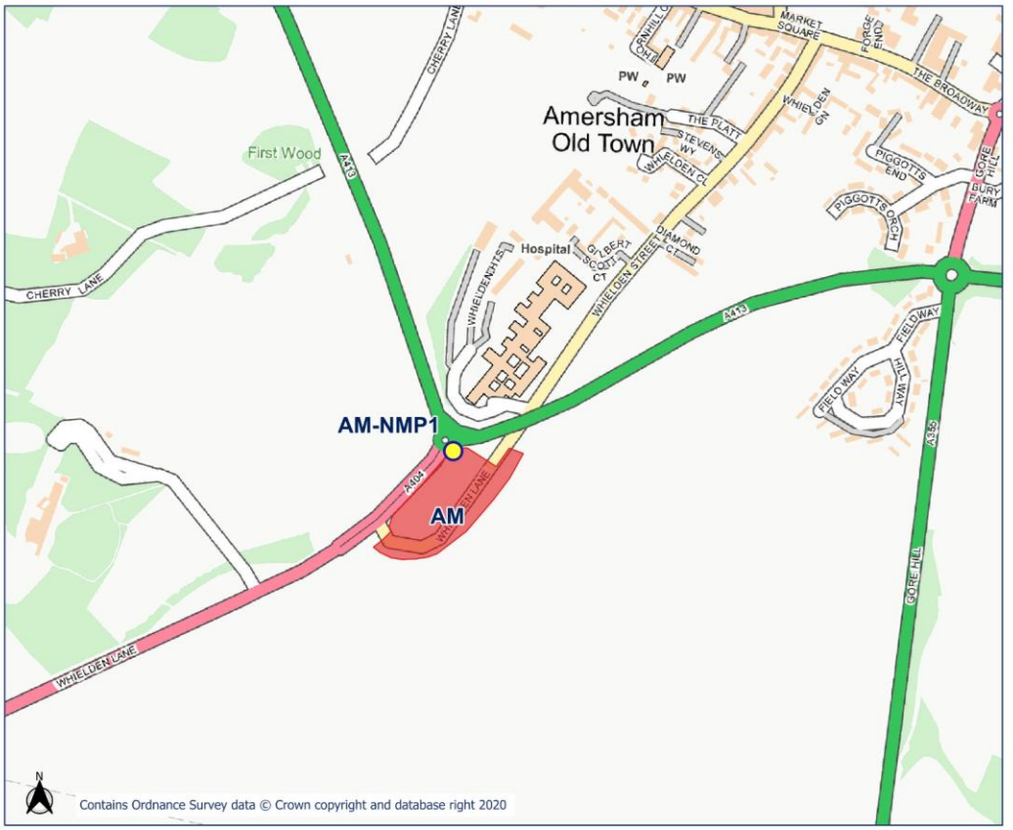
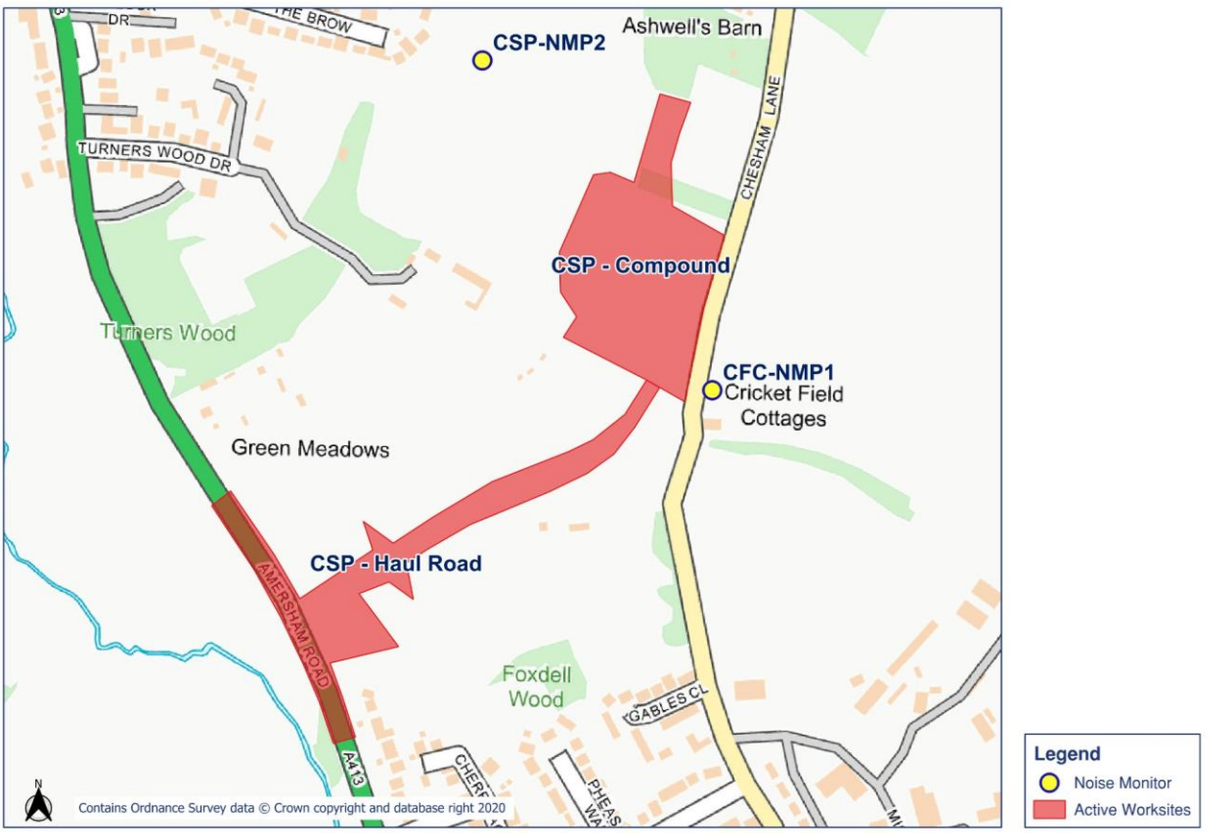
Legend
Noise Monitor
Active Worksites

HS2 Noise and Vibration Monitoring Plan - 11




Quarrendon Farm
Day's Wood
High Wood
Lower Bottom
House Farm
Cottages
BOTTOM HOUSE FARM LANE
Bow Wood
CSG
Upper Bottom
House Farm
CSG-NMP1
Contains Ordnance Survey data © Crown copyright and database right 2020
Legend
Active Worksites
Noise Monitor

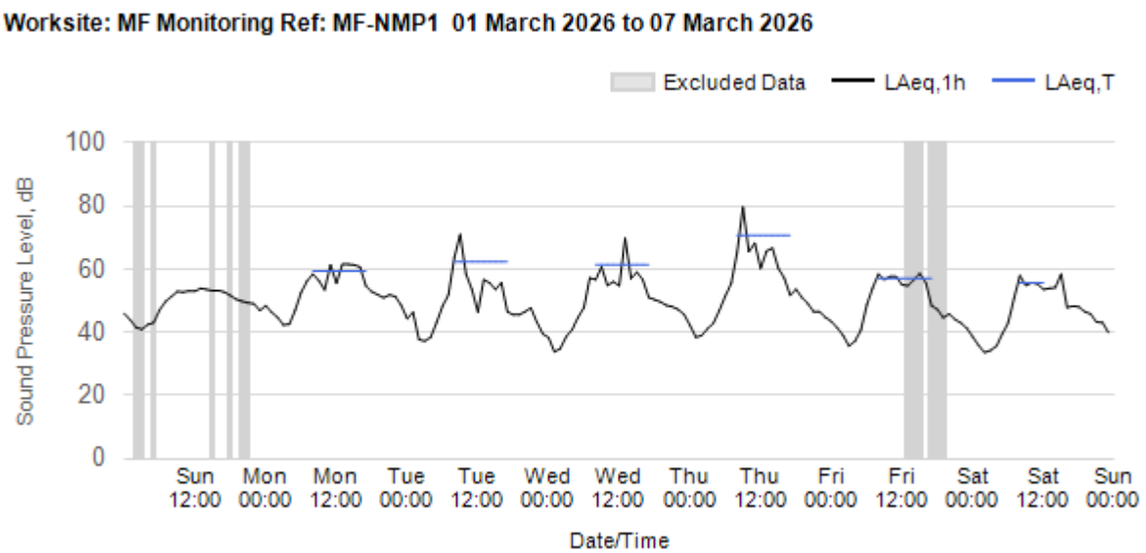

CSP-NMP2
Ashwell's Barn
CHESHAM LANE
TURNERS WOOD DR
CSP - Compound
Turners Wood
CFC-NMP1
Cricket Field
Cottages
Green Meadows
CSP - Haul Road
AMERSHAM ROAD
A413
Foxdell
Wood
GABLES CL
Contains Ordnance Survey data © Crown copyright and database right 2020
Legend
Noise Monitor
Active Worksites

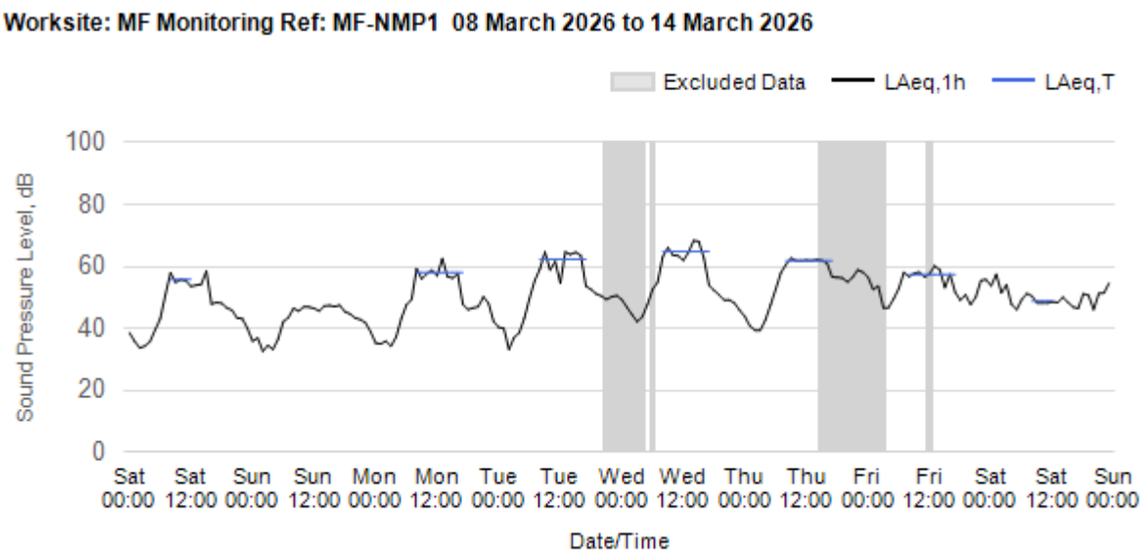
Appendix C Data

Noise

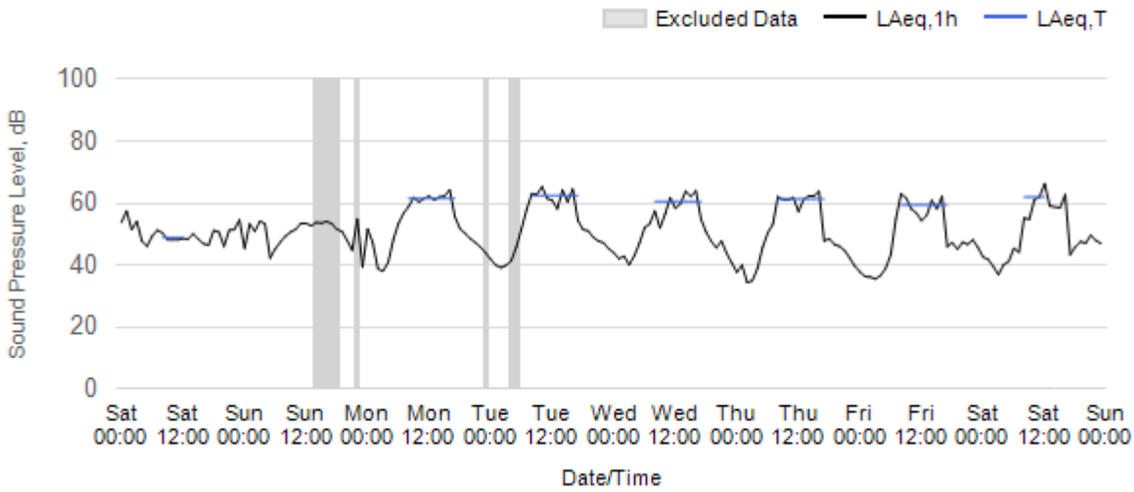
The following graphs show the hourly measured ambient noise level LAeq,1h and, where relevant, the averaged noise level LAeq,T values, where the time period T is as specified in Table 1 of HS2 Information Paper E23. Periods where noise levels are adversely affected by weather or only measured for part of the period, which are not representative of HS2 construction works, have been greyed out and excluded from the calculation of the LAeq,T values in in Table 3 of the main report.

Worksite: MF - Monitoring Ref: MF-NMP1

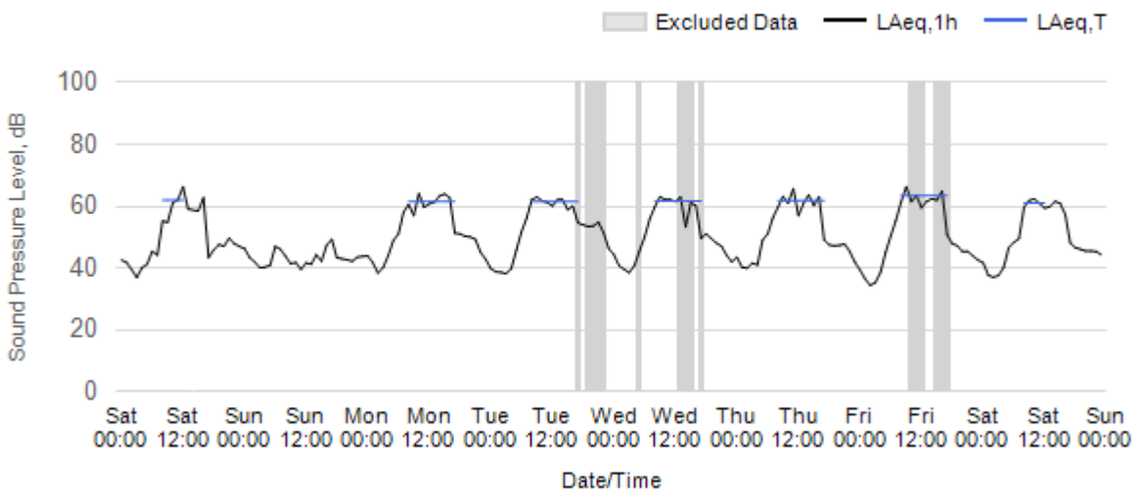




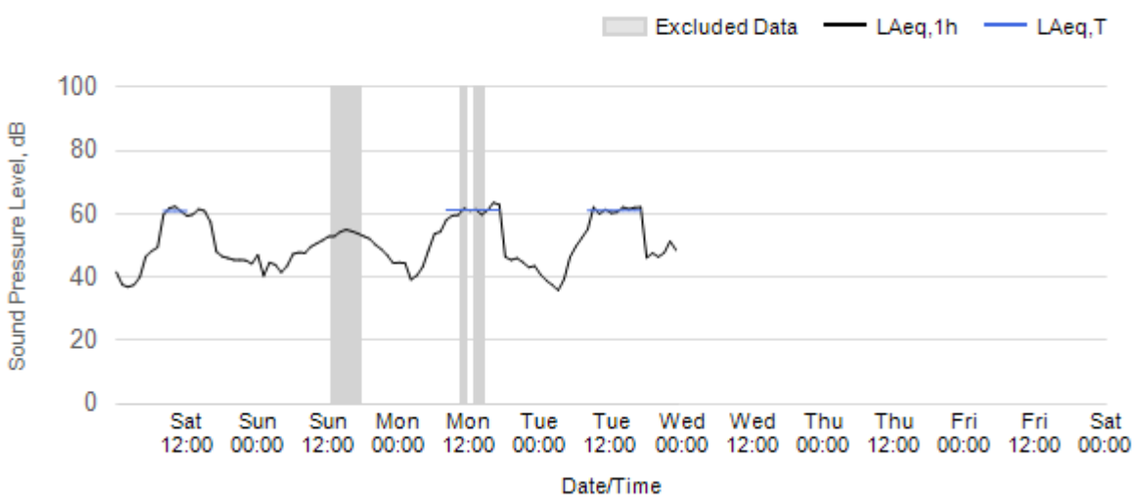
Worksite: MF Monitoring Ref: MF-NMP1 15 March 2026 to 21 March 2026



Worksite: MF Monitoring Ref: MF-NMP1 22 March 2026 to 28 March 2026

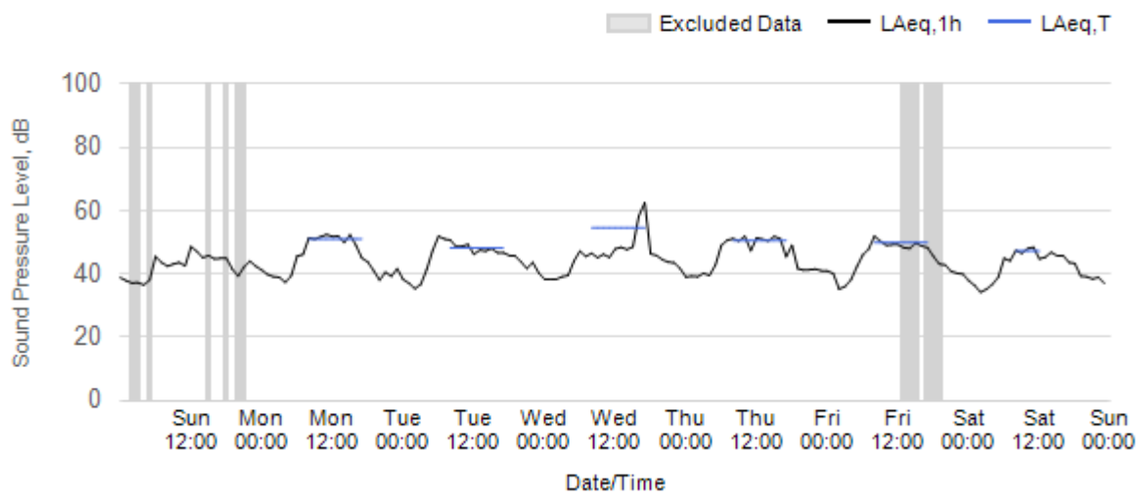


Worksite: MF Monitoring Ref: MF-NMP1 29 March 2026 to 4 April 2026

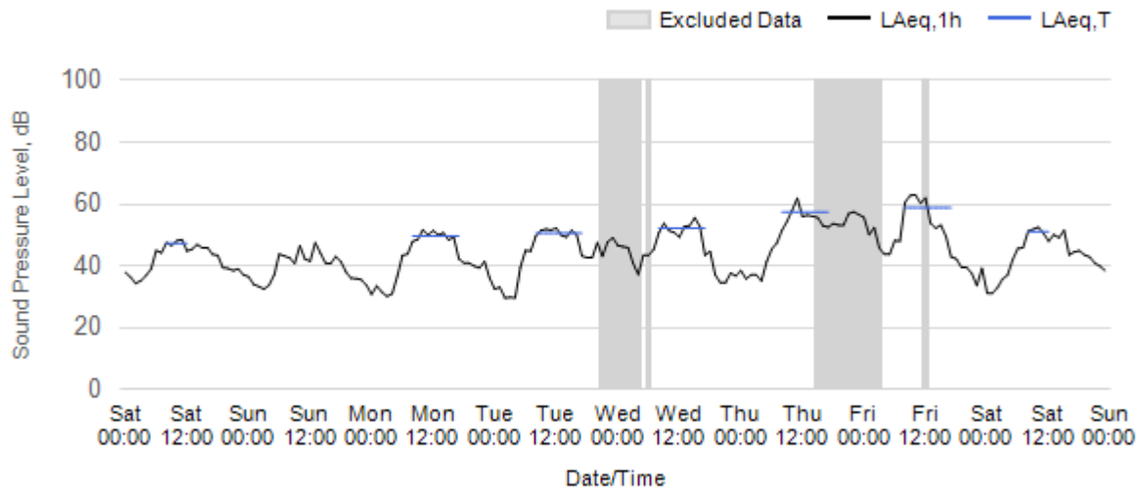


Worksite: TVV - Monitoring Ref: TVV-NMP1

Worksite: TVV Monitoring Ref: TVV-NMP1 01 March 2026 to 07 March 2026



Worksite: TVV Monitoring Ref: TVV-NMP1 08 March 2026 to 14 March 2026



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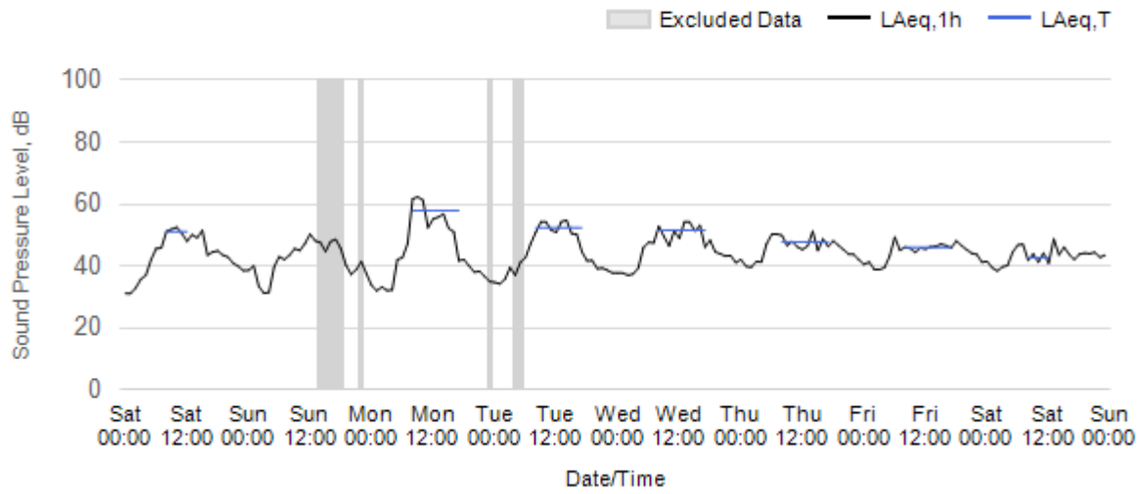

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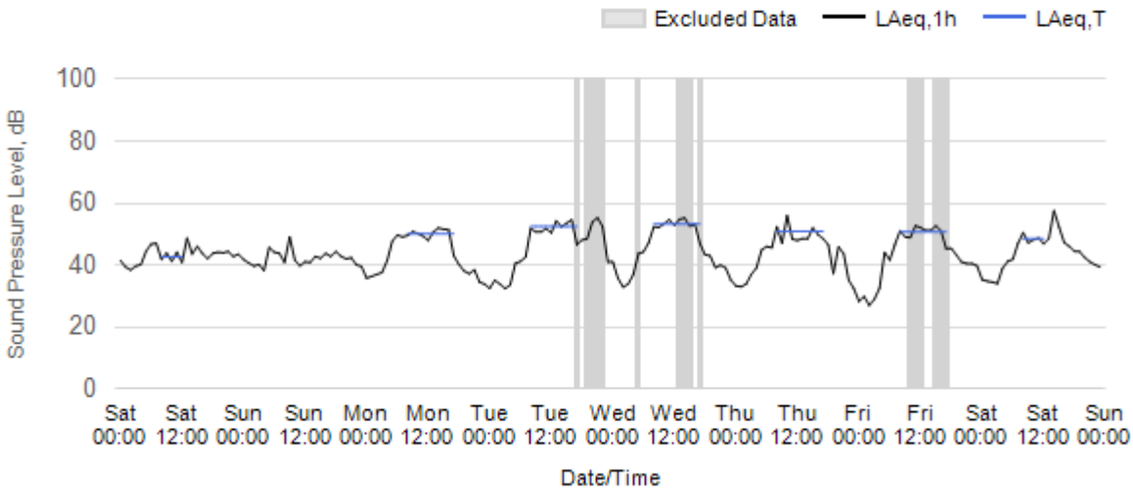

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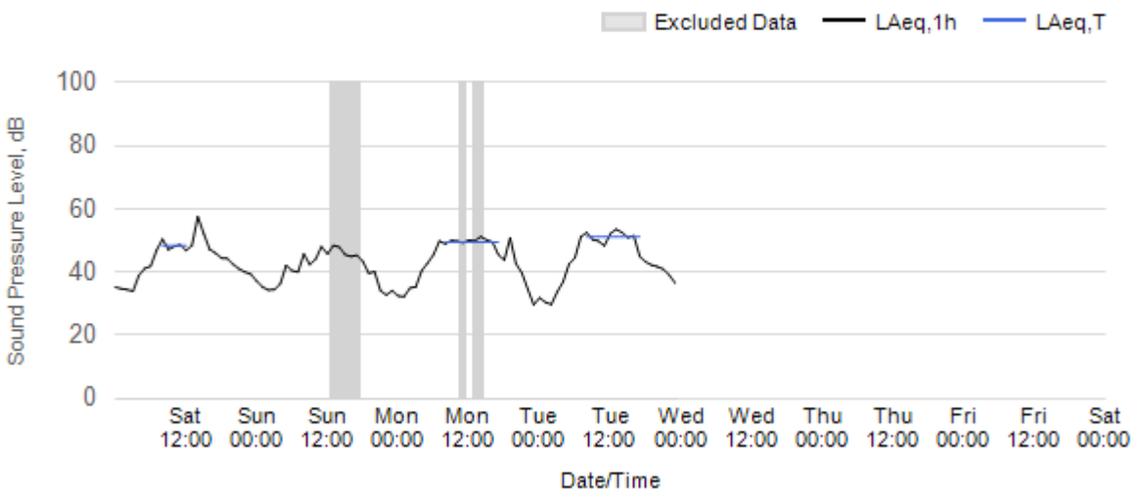
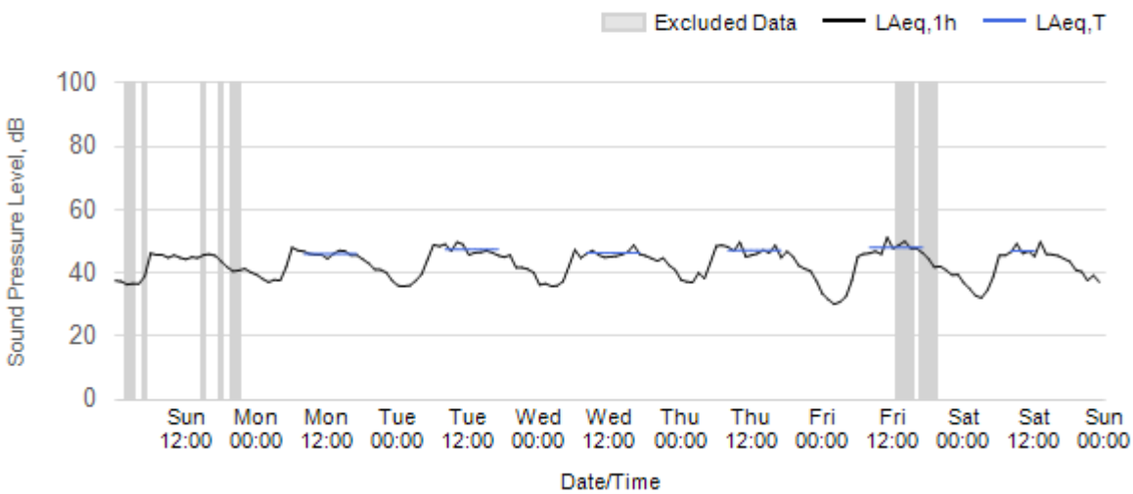


Worksite: GC - Monitoring Ref: GC-NMP1

Worksite: GC Monitoring Ref: GC-NMP1 01 March 2026 to 07 March 2026



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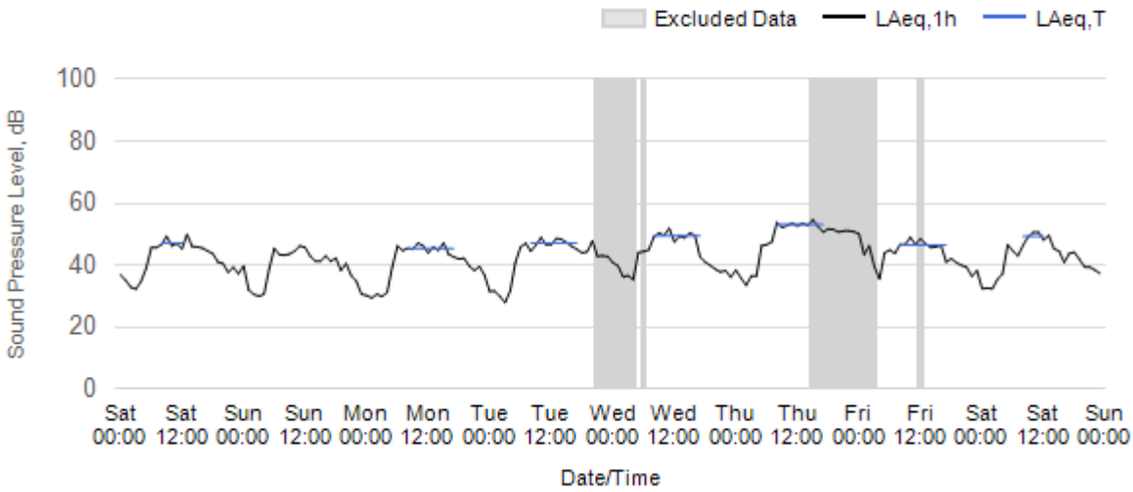

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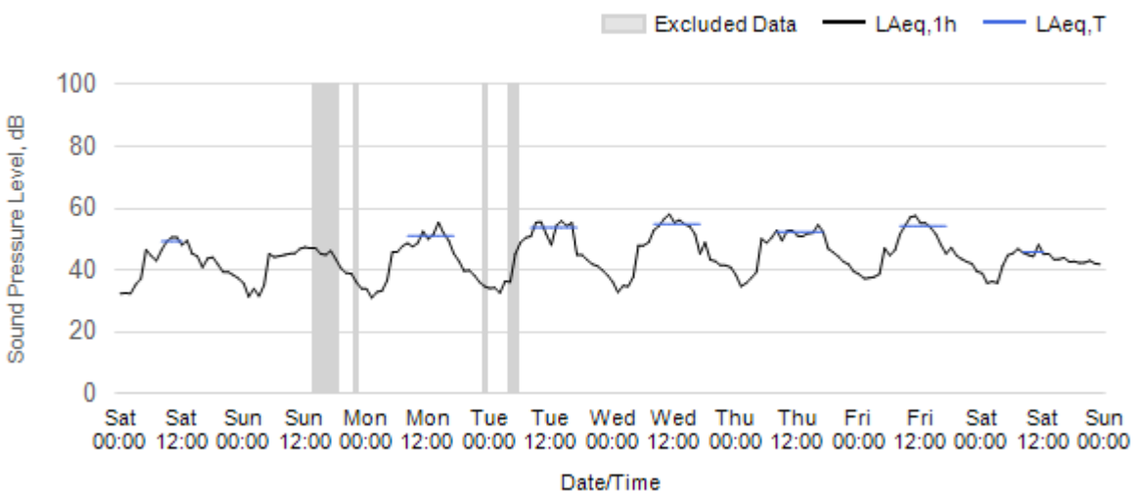

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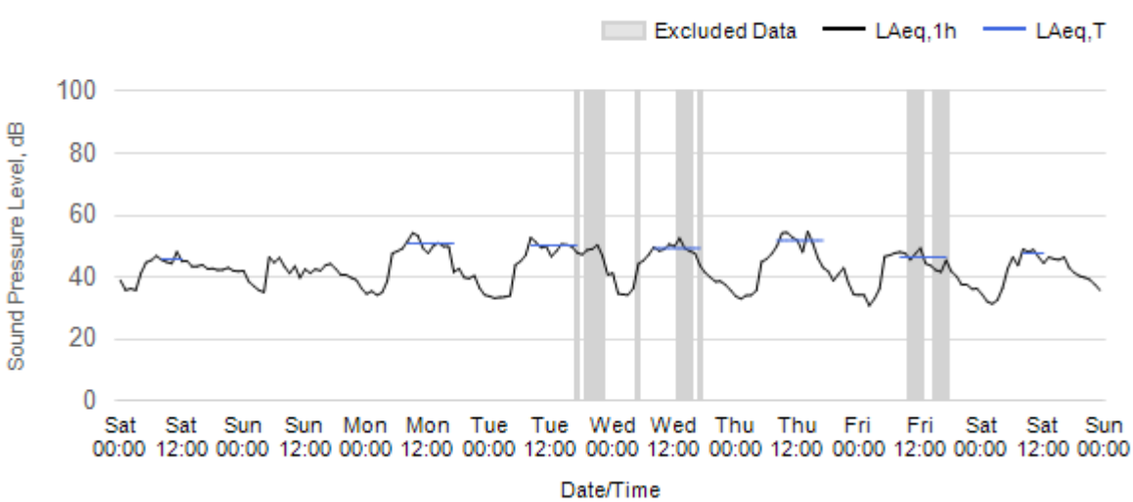

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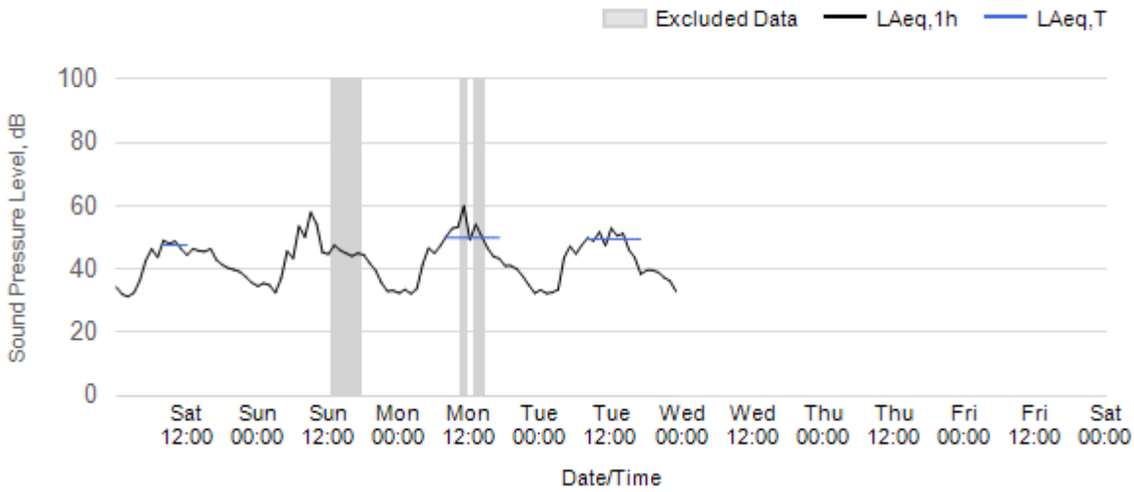

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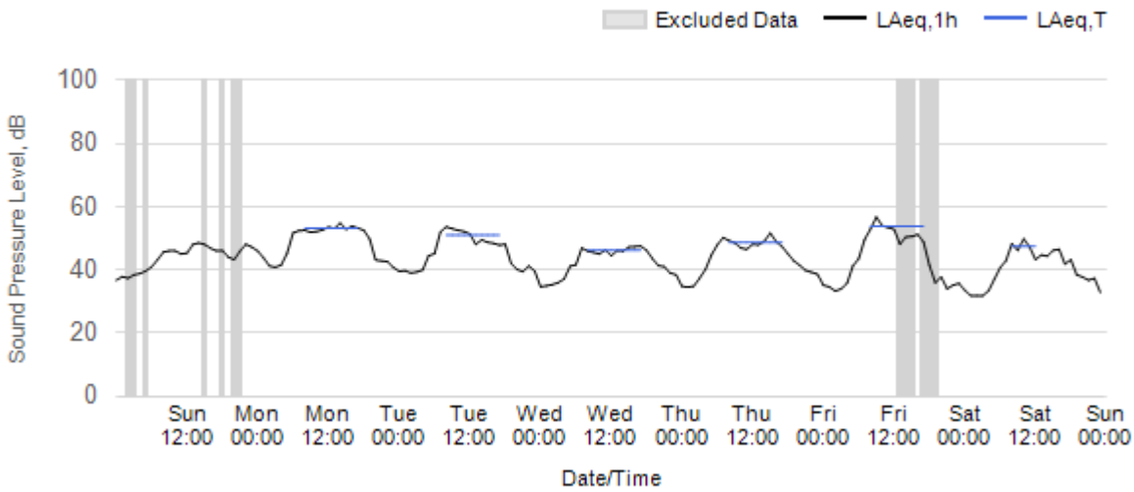

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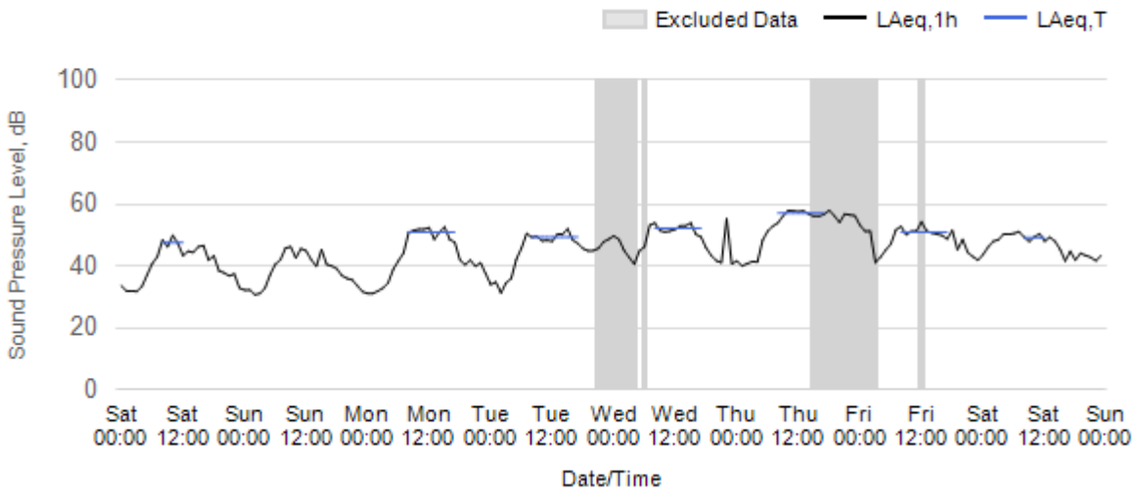

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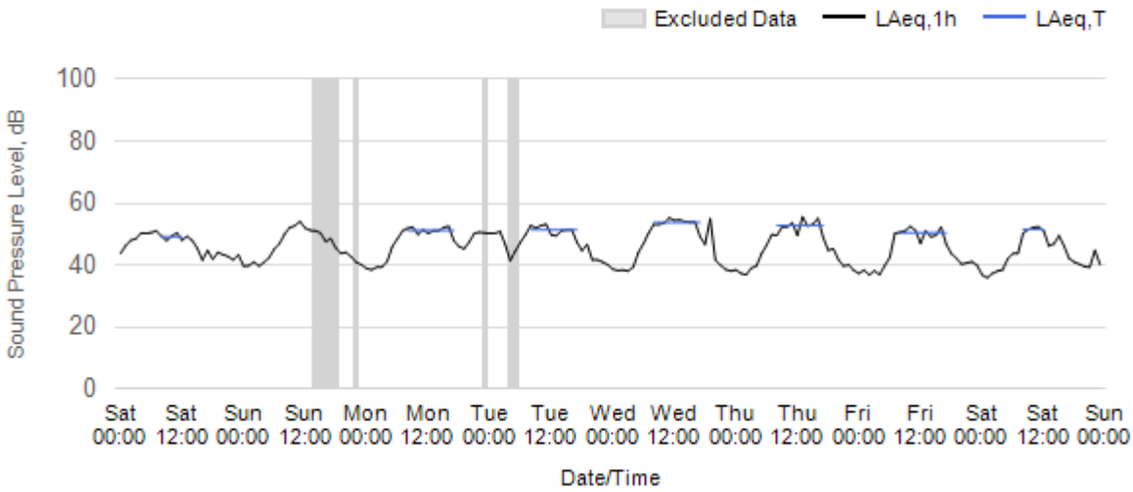

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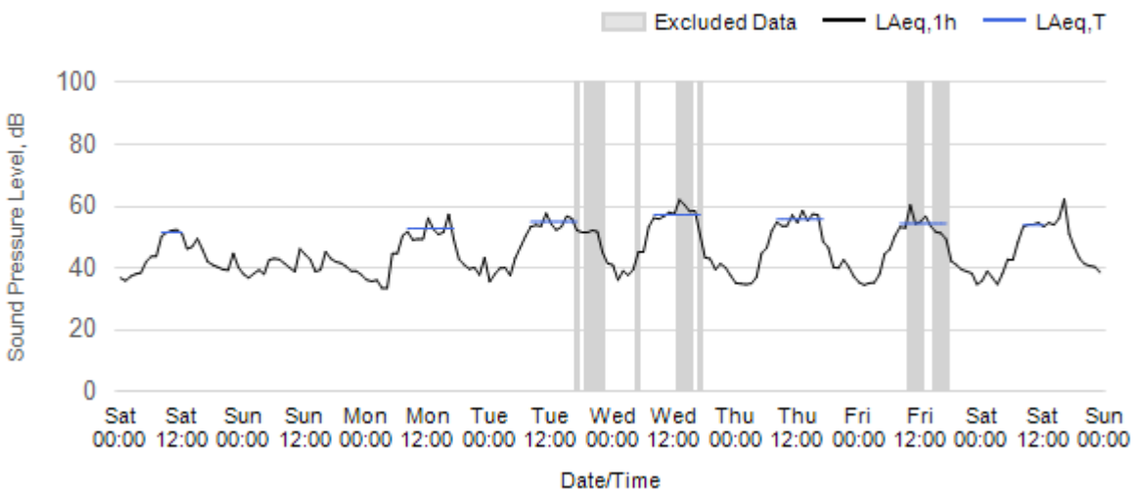

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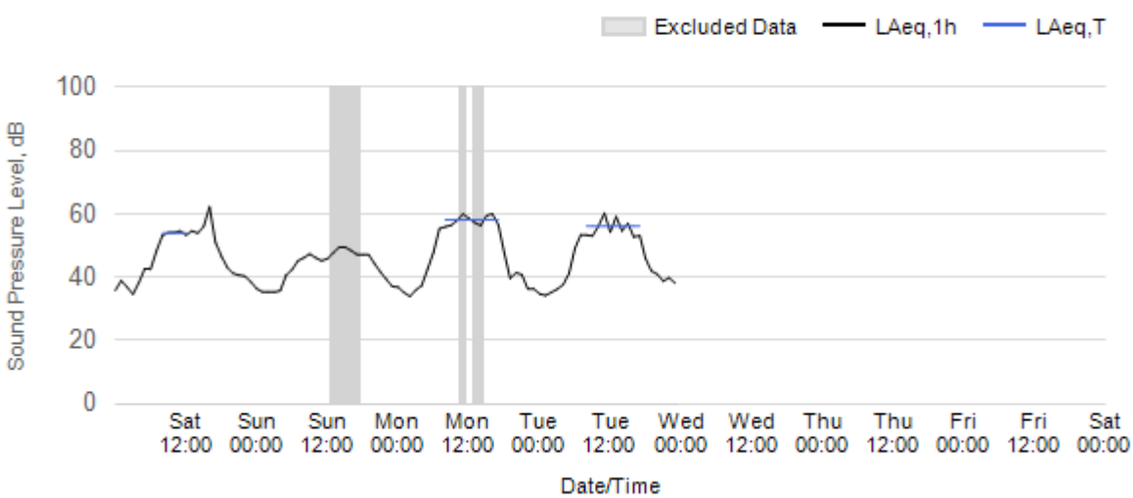

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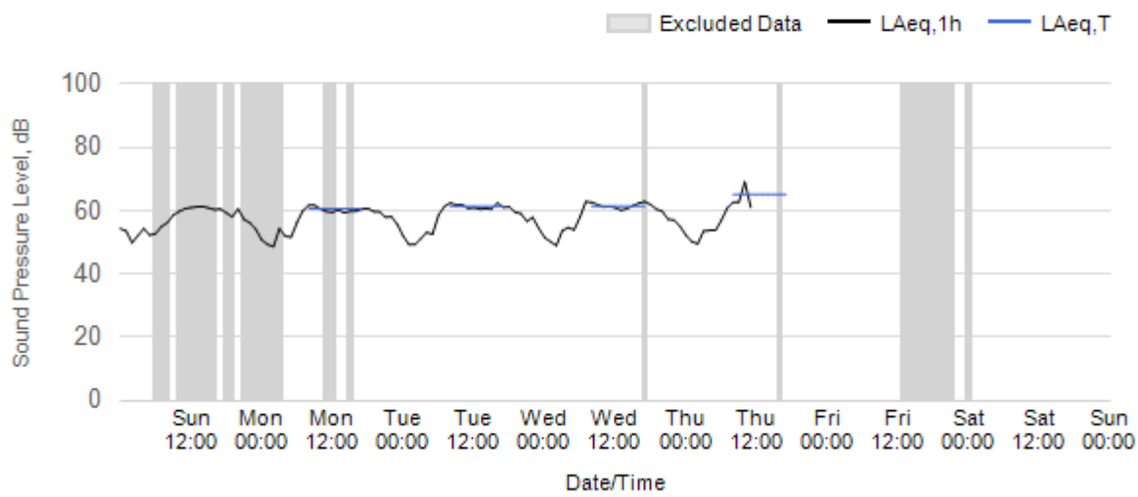
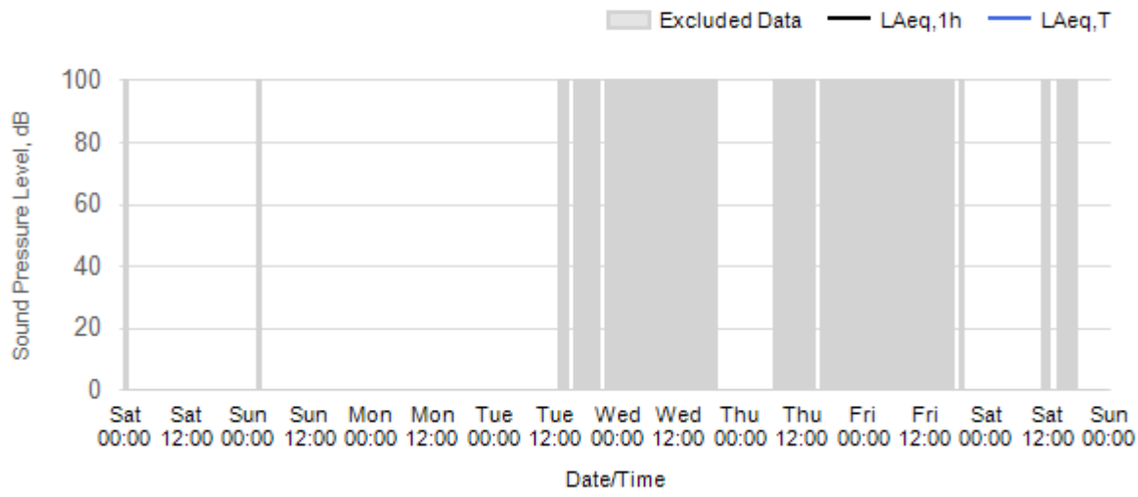


Note: Monitoring location was decommissioned and removed from site.

Worksite: AM Monitoring Ref: AM-NMP1 08 March 2026 to 14 March 2026



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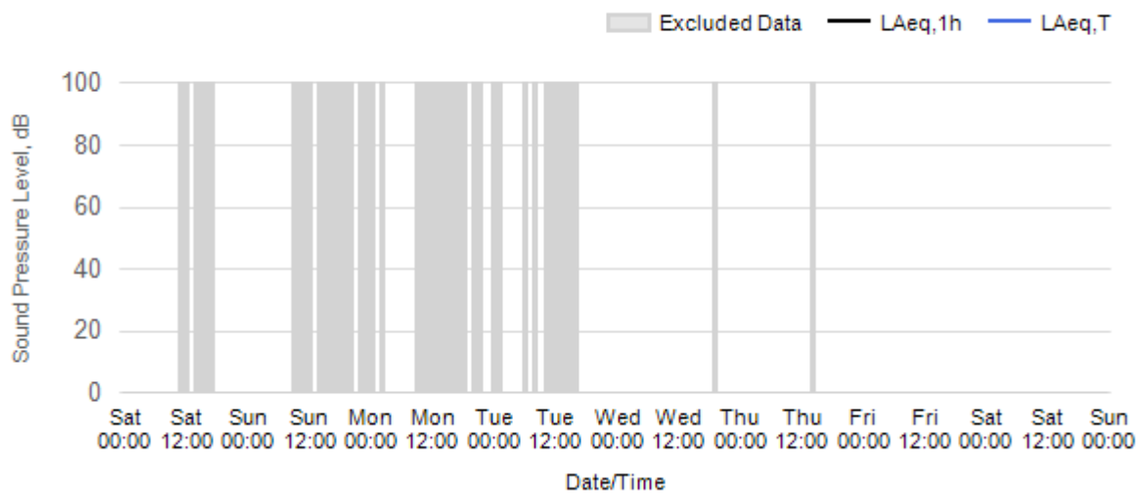

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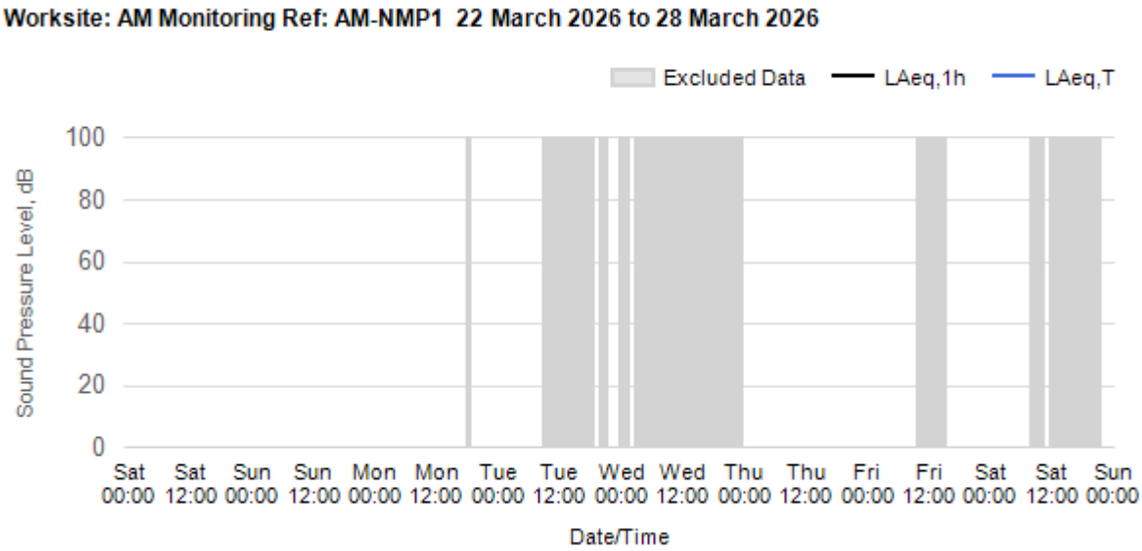

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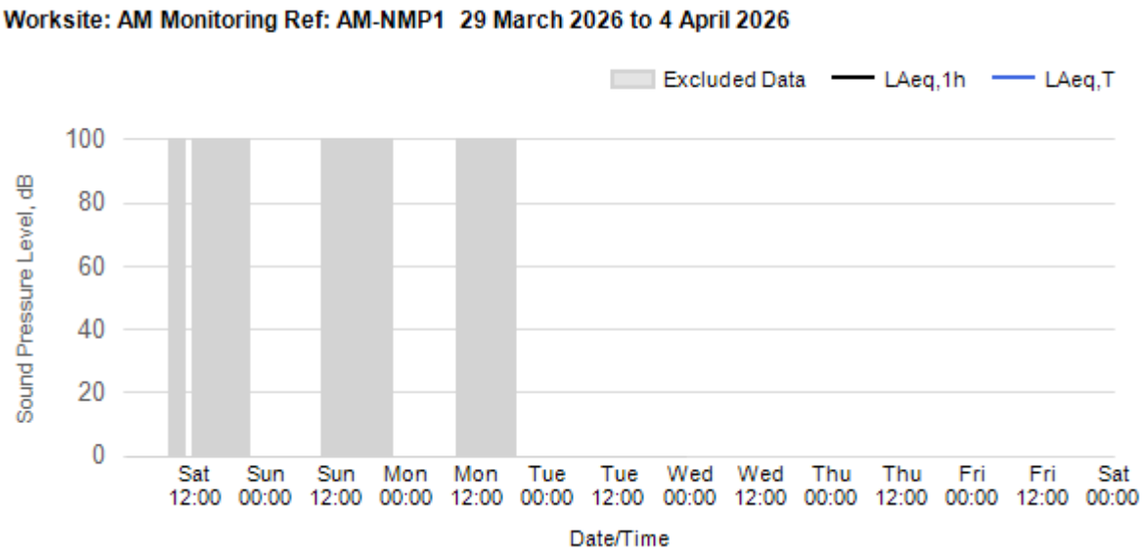

Note: Monitoring location was decommissioned and removed from site.

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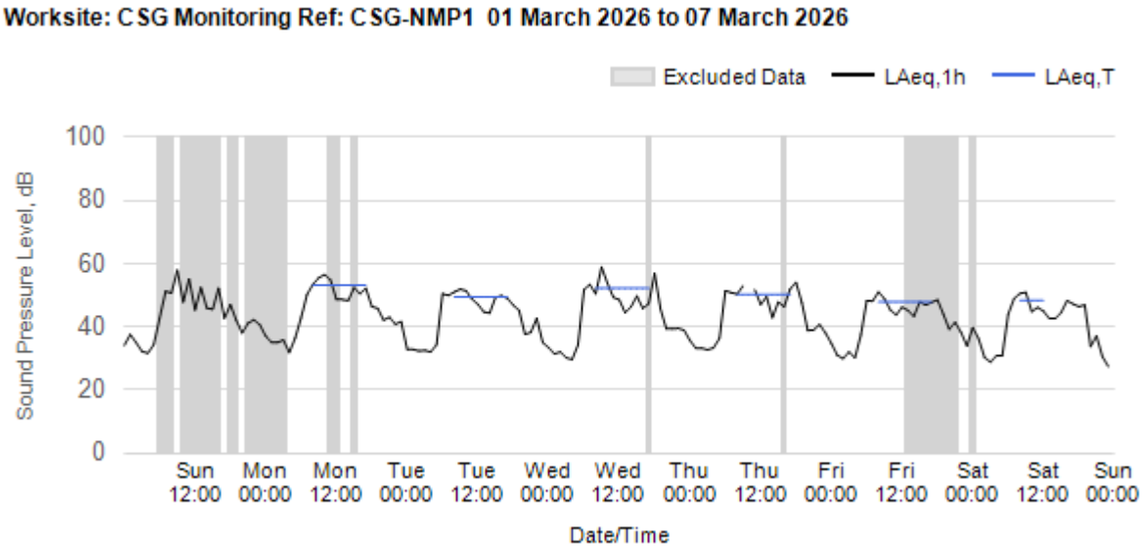

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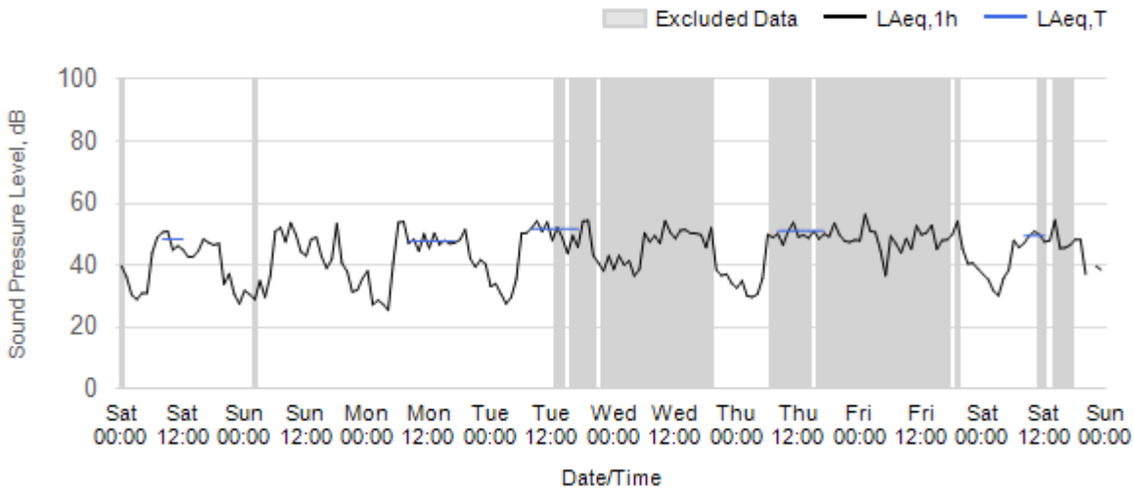

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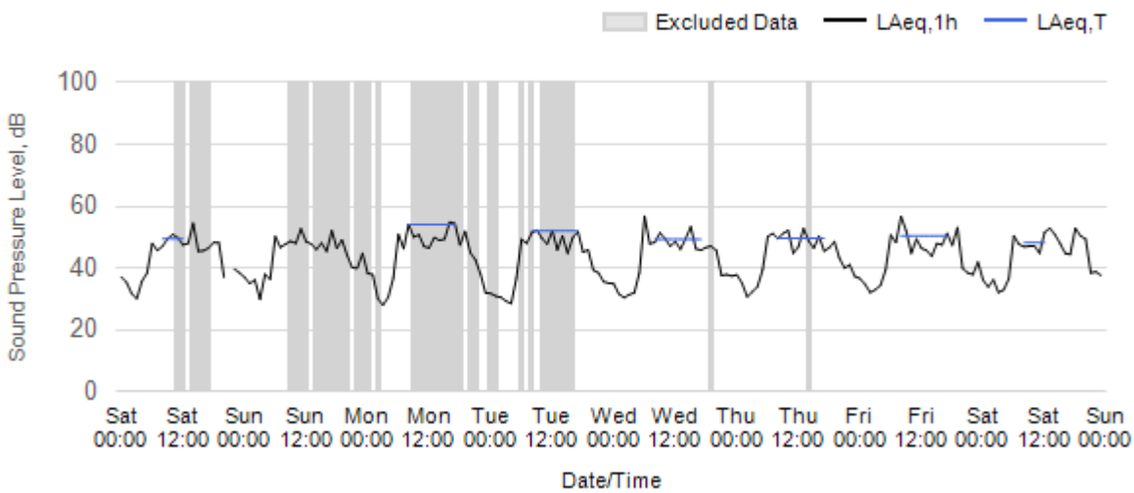

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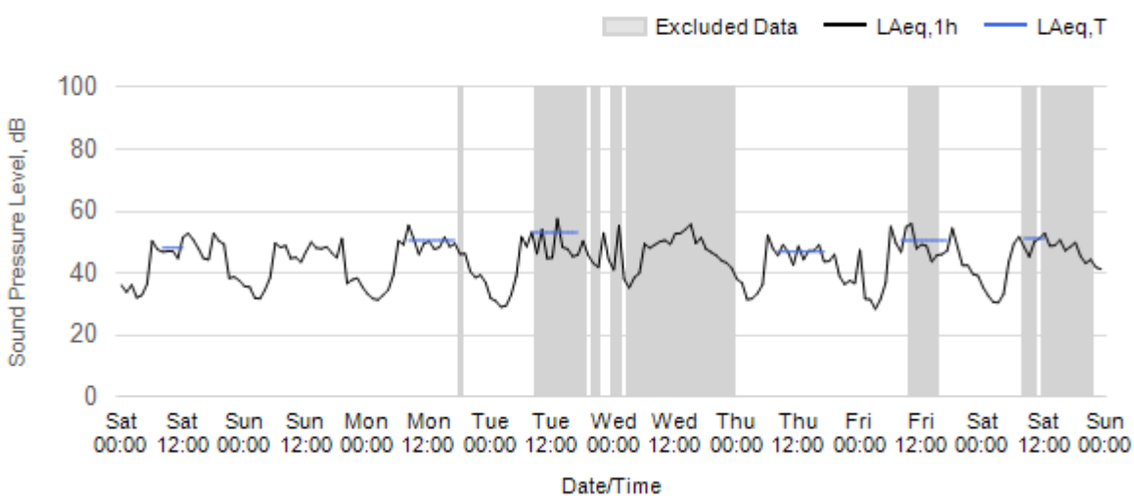

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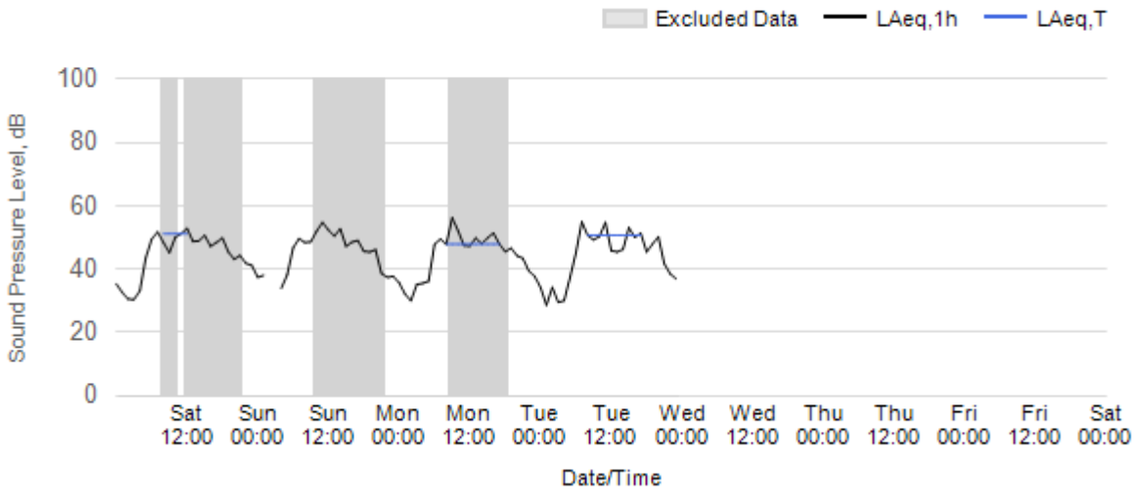

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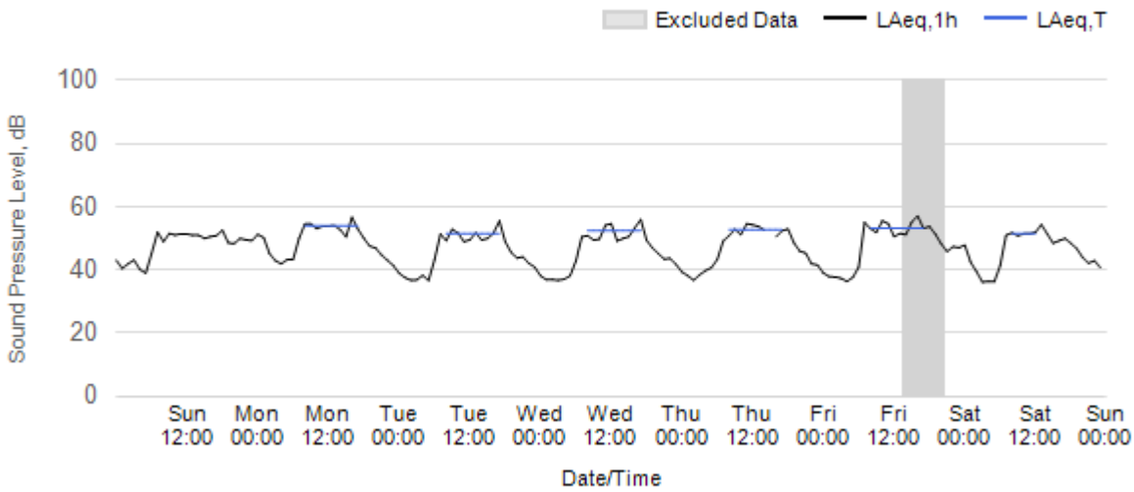
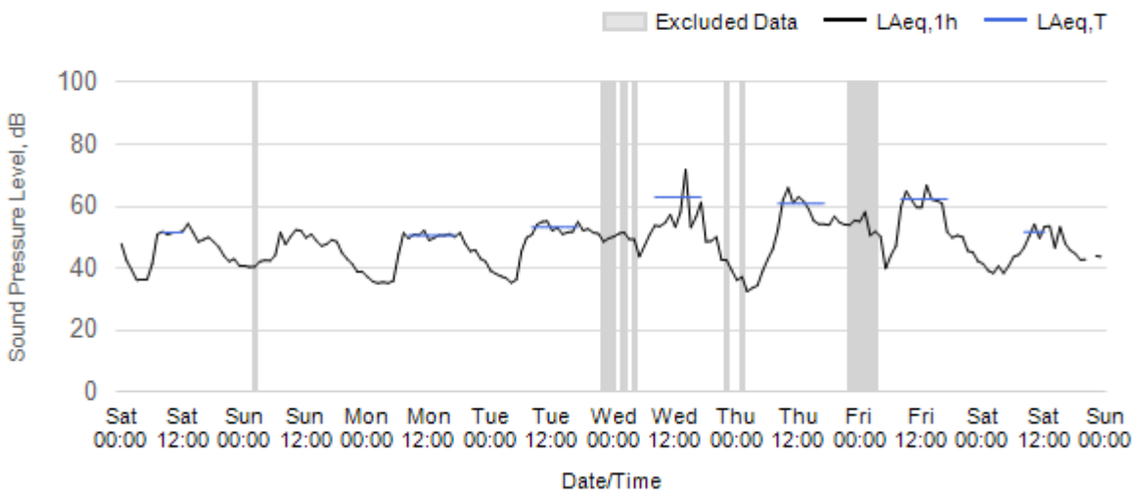
Worksite: NP Monitoring Ref: ORC-NMP1 01 March 2026 to 07 March 2026



Note: Excluded data on Friday 6th March was due to a field calibration of the monitoring equipment

Worksite: NP Monitoring Ref: ORC-NMP1 08 March 2026 to 14 March 2026



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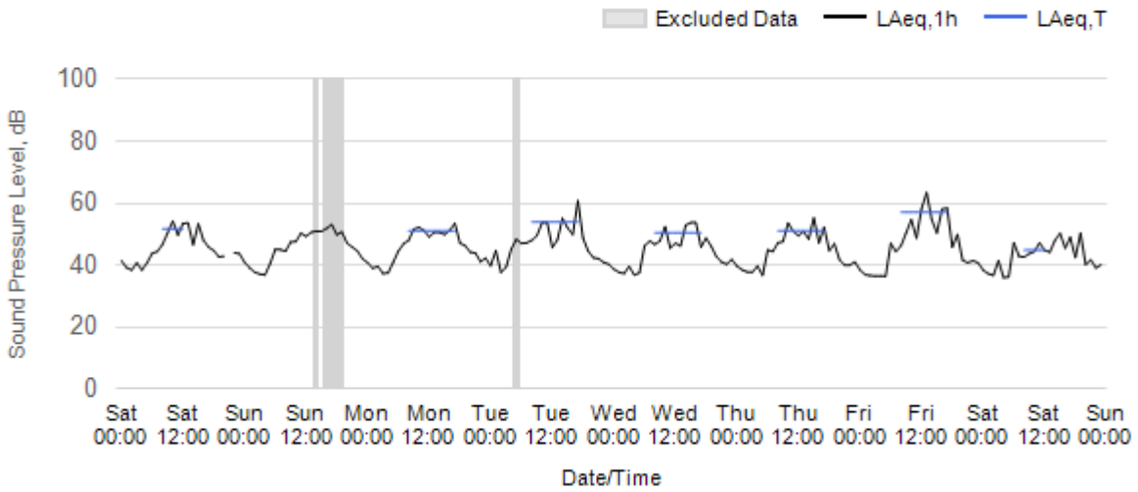
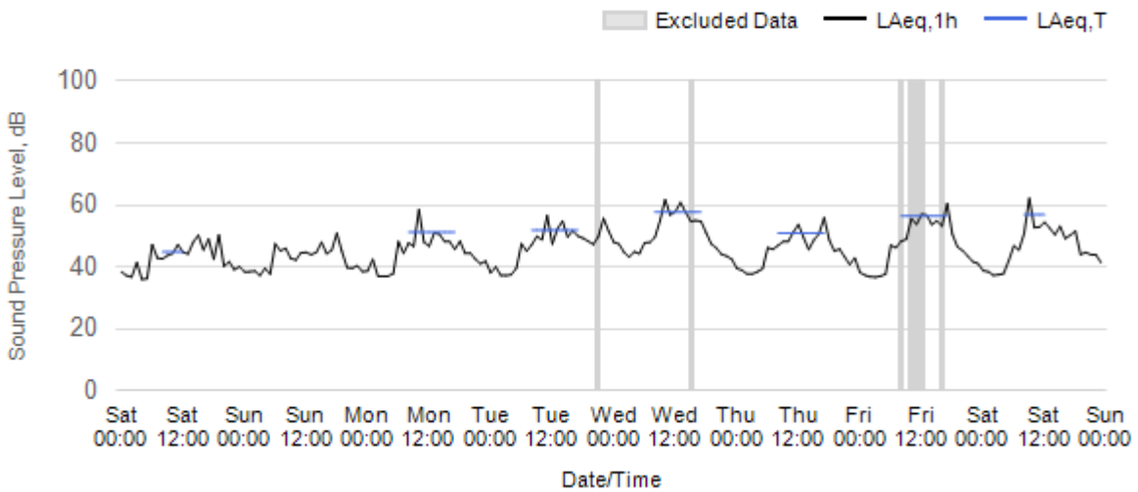
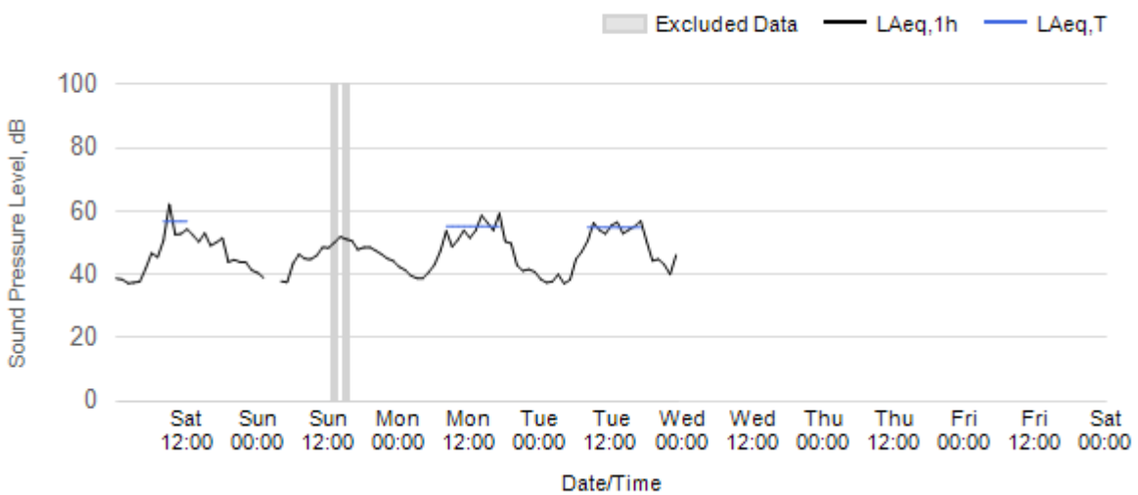


Note: Missing data was due to a communication error with the monitor

Worksite: NP Monitoring Ref: ORC-NMP1 22 March 2026 to 28 March 2026

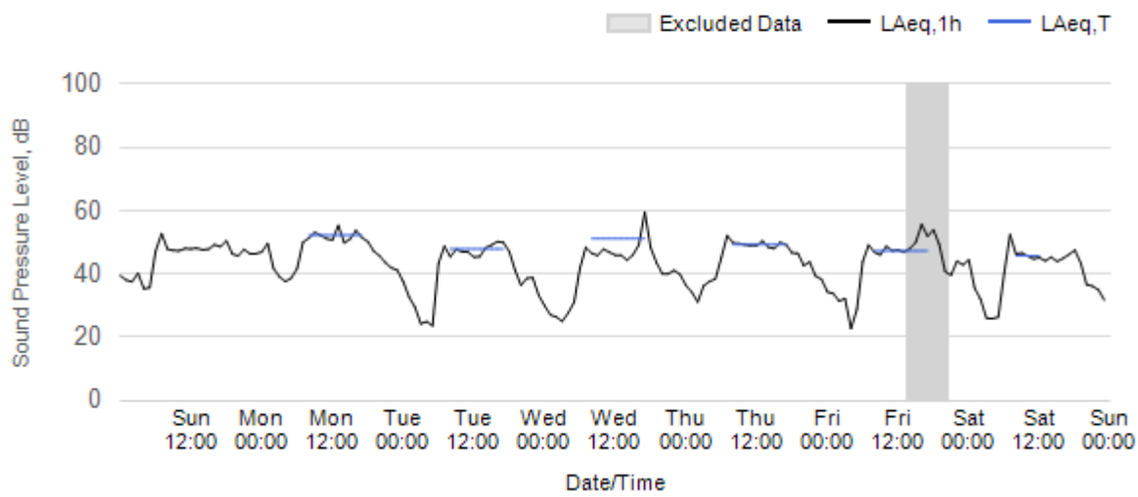


Worksite: NP Monitoring Ref: ORC-NMP1 29 March 2026 to 4 April 2026



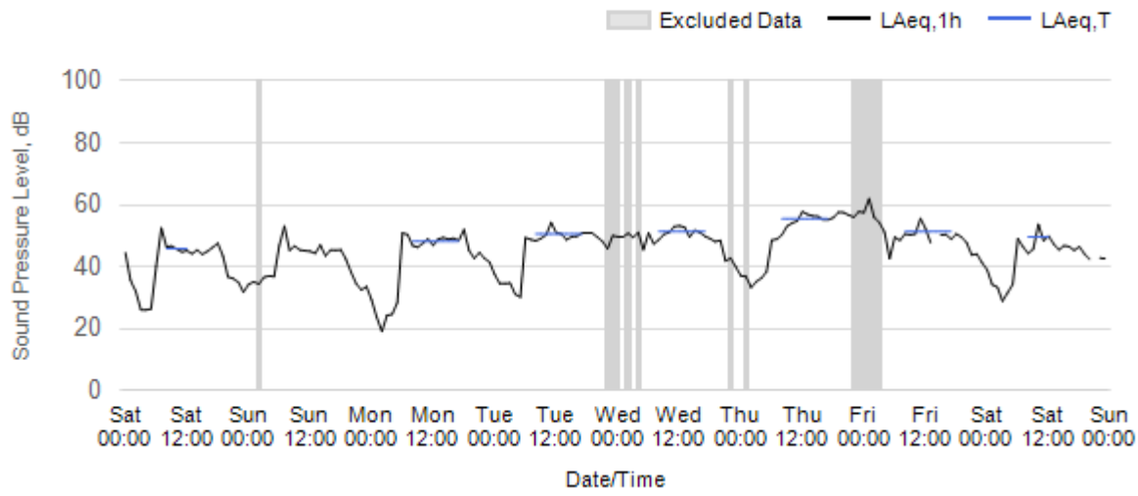
Worksite: NP - Monitoring Ref: BFH-NMP1

Worksite: NP Monitoring Ref: BFH-NMP1 01 March 2026 to 07 March 2026

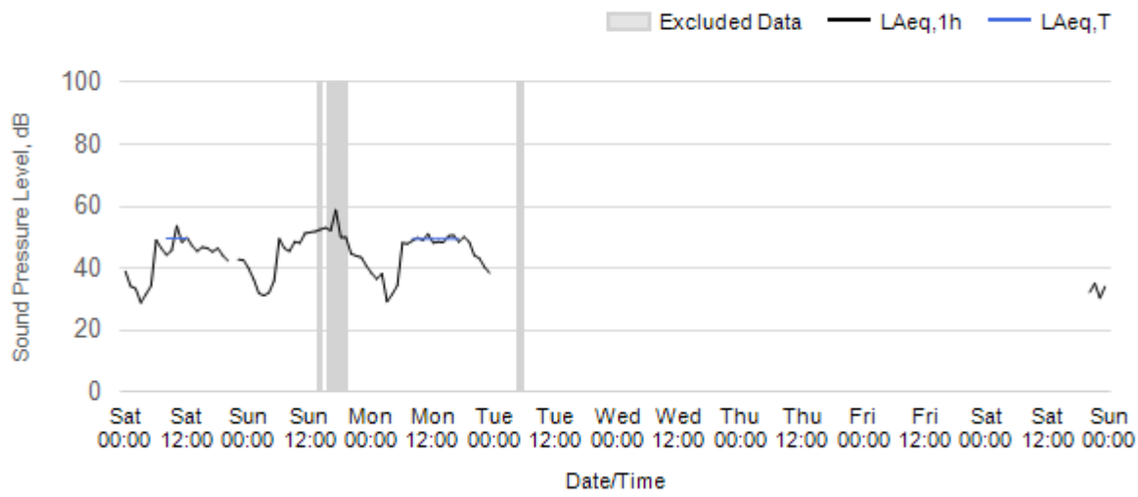


Note: Excluded data on Friday 6th March was due to a field calibration of the monitoring equipment

Worksite: NP Monitoring Ref: BFH-NMP1 08 March 2026 to 14 March 2026

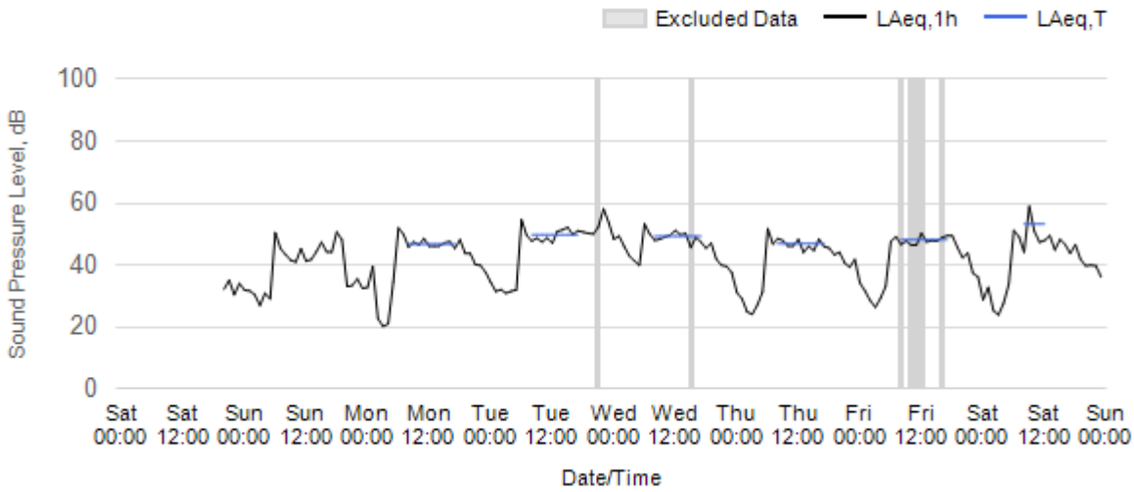


Worksite: NP Monitoring Ref: BFH-NMP1 15 March 2026 to 21 March 2026



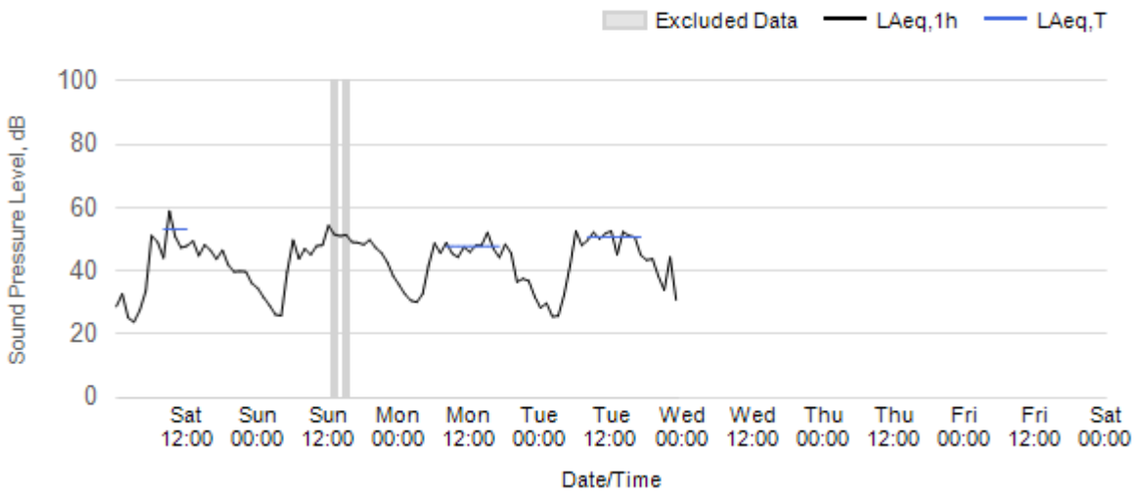
Note: Missing data was due to a loss of power at the monitoring station

Worksite: NP Monitoring Ref: BFH-NMP1 22 March 2026 to 28 March 2026



Note: Missing data was due to a loss of power at the monitoring station

Worksite: NP Monitoring Ref: BFH-NMP1 29 March 2026 to 4 April 2026



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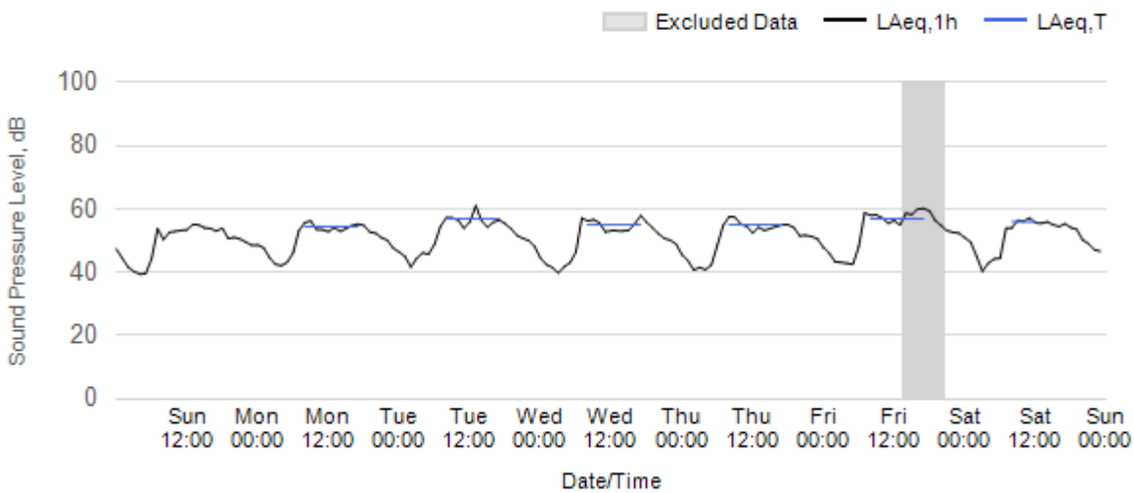
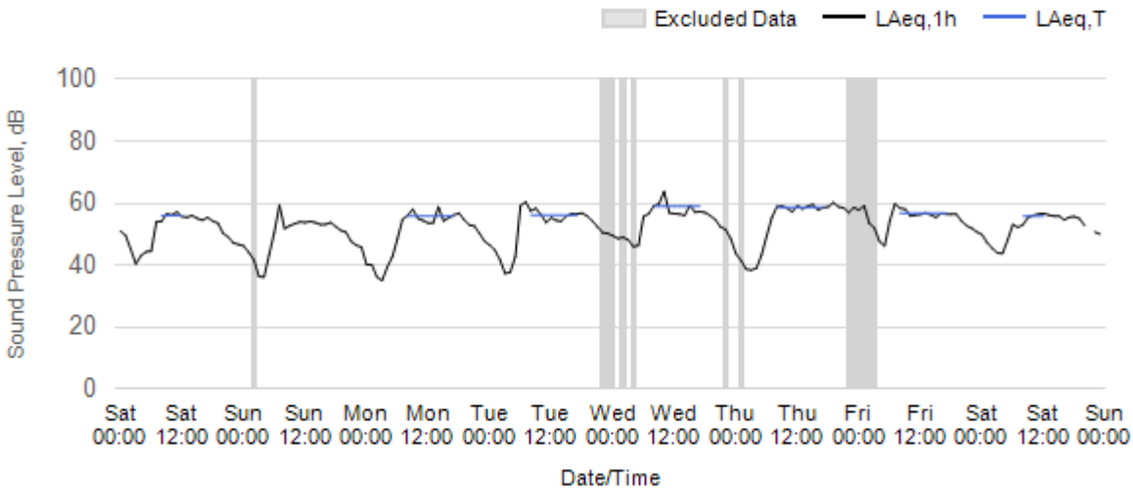
Worksite: CHSM Monitoring Ref: MDL-NMP1 01 March 2026 to 07 March 2026



Note: Excluded data on Friday 6th March was due to a field calibration of the monitoring equipment

Worksite: CHSM Monitoring Ref: MDL-NMP1 08 March 2026 to 14 March 2026



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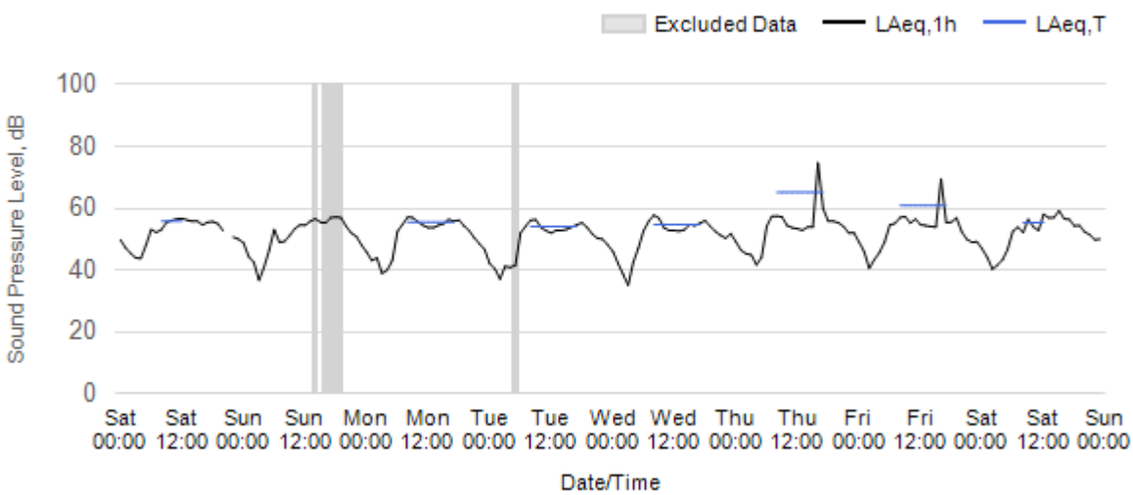

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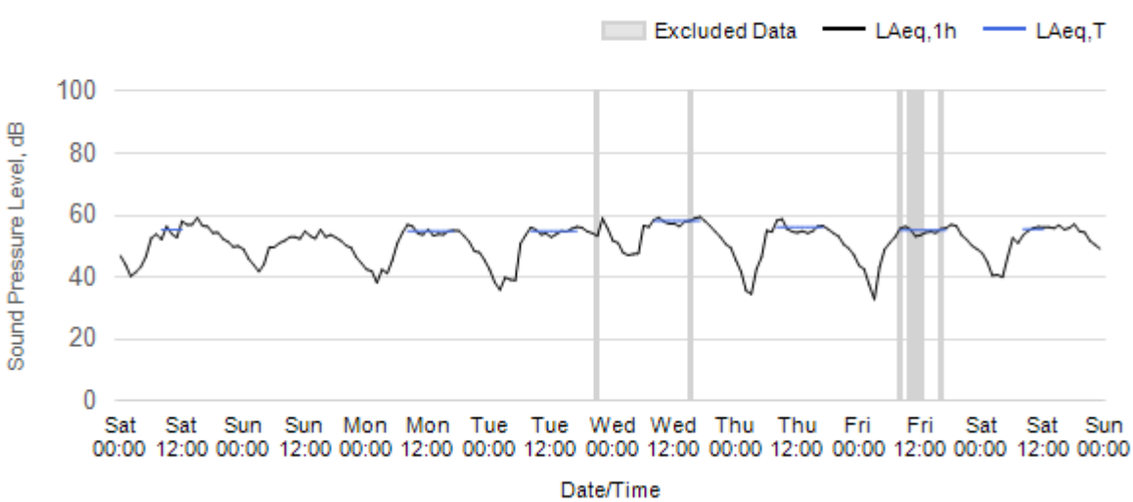

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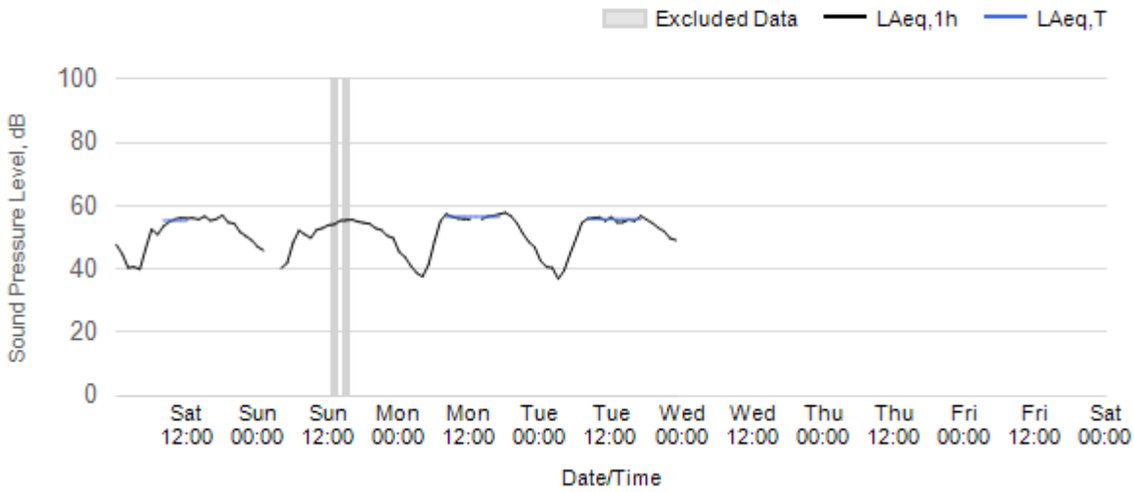

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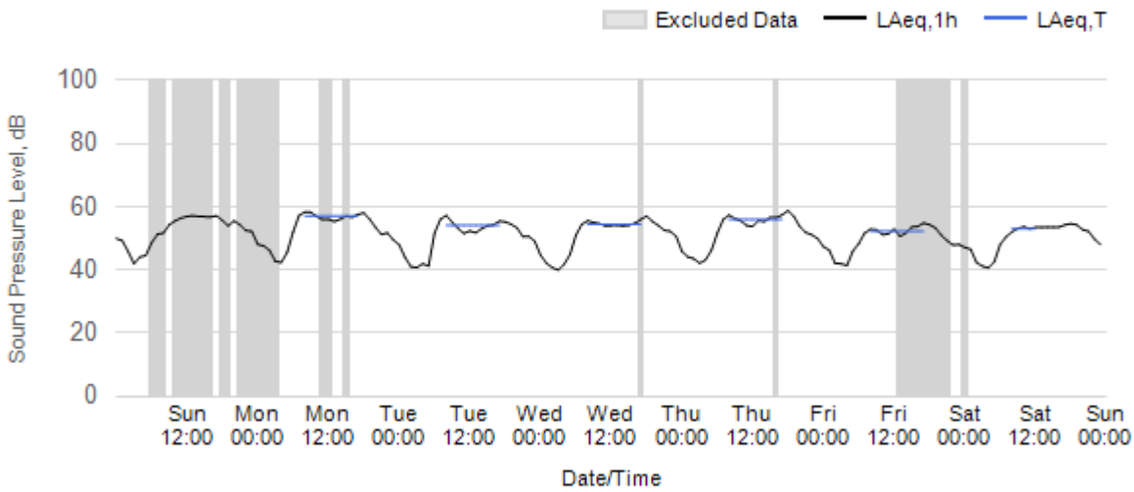
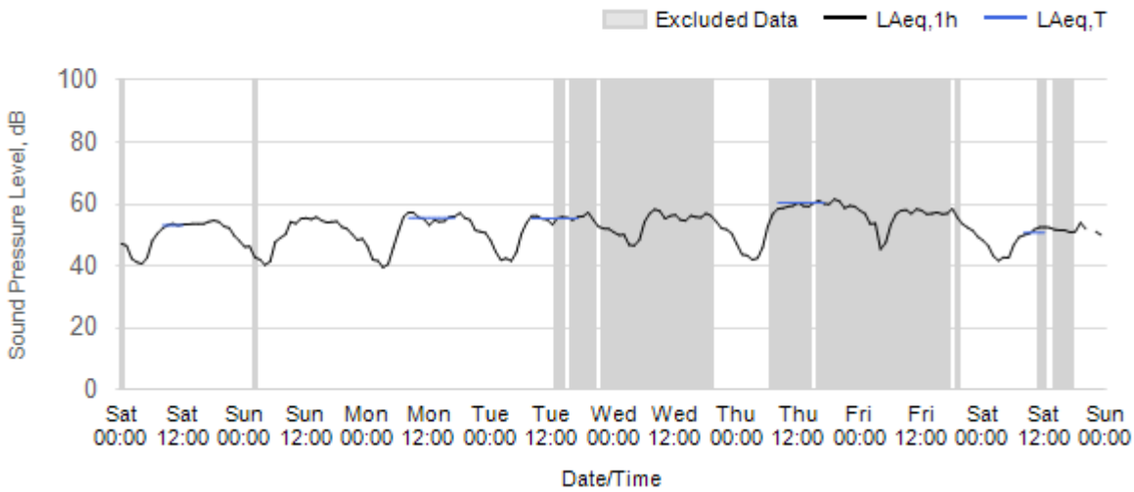
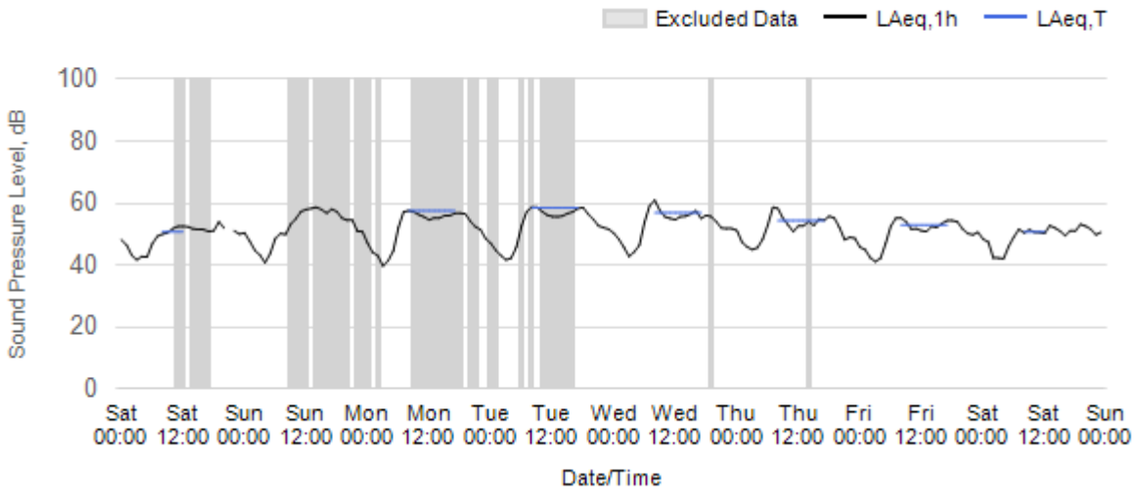


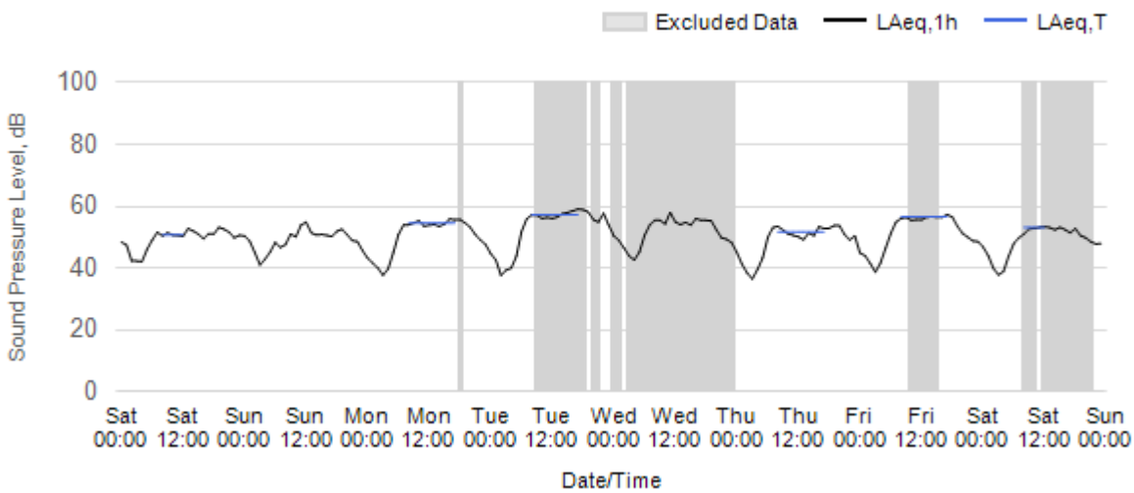
Worksite: LM Monitoring Ref: LM-NMP1 08 March 2026 to 14 March 2026



Worksite: LM Monitoring Ref: LM-NMP1 15 March 2026 to 21 March 2026



Worksite: LM Monitoring Ref: LM-NMP1 22 March 2026 to 28 March 2026



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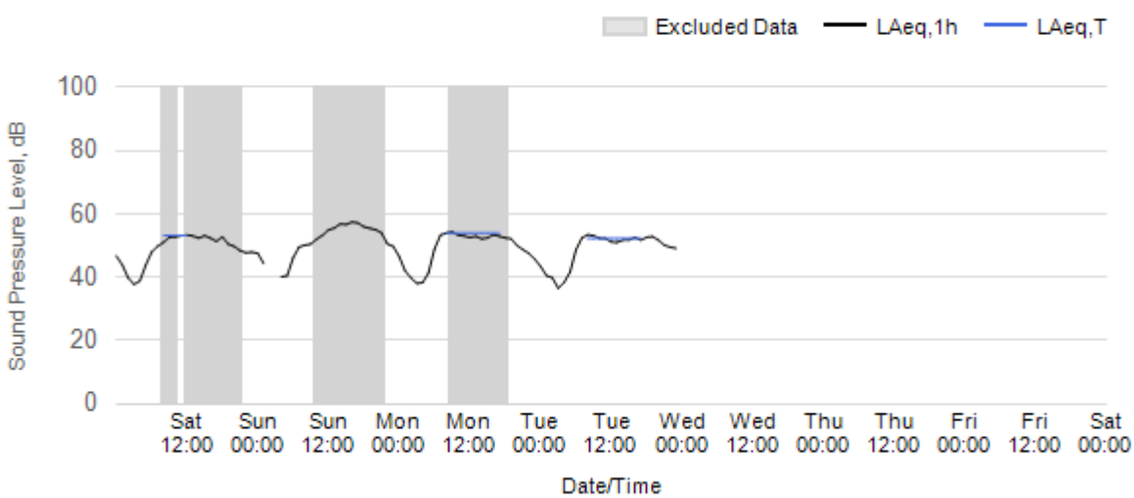
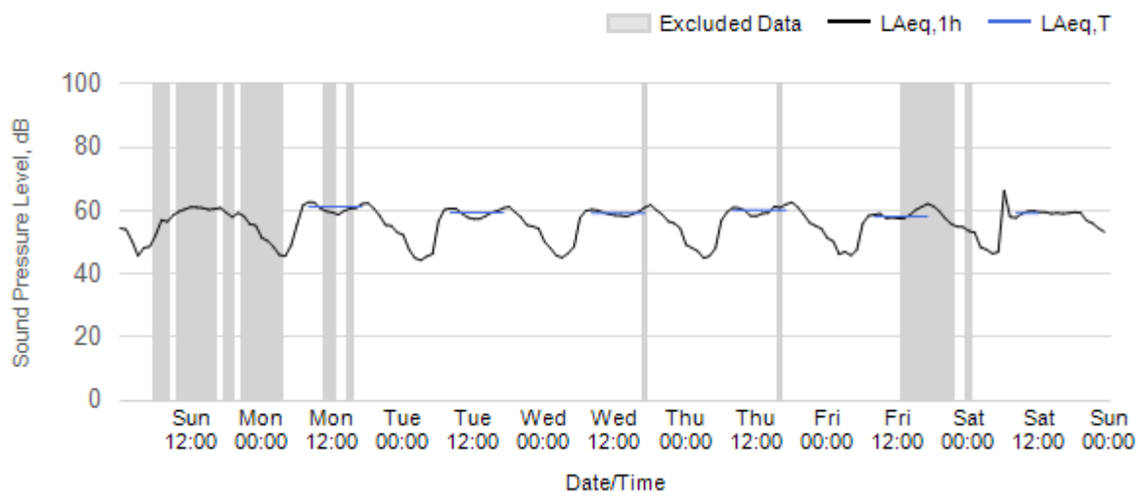


Worksite: LM - Monitoring Ref: PWC-NMP1

Worksite: LM Monitoring Ref: PWC-NMP1 01 March 2026 to 07 March 2026



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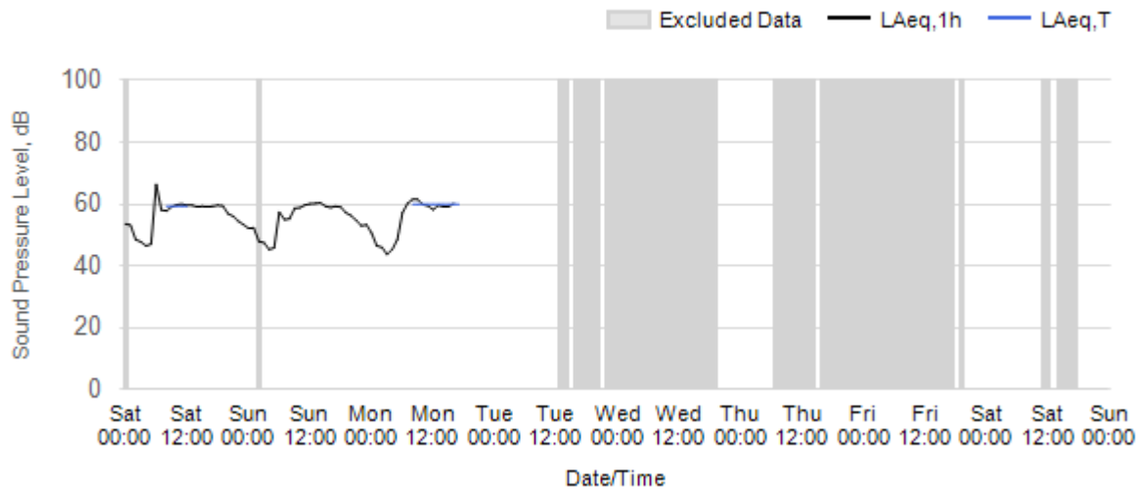
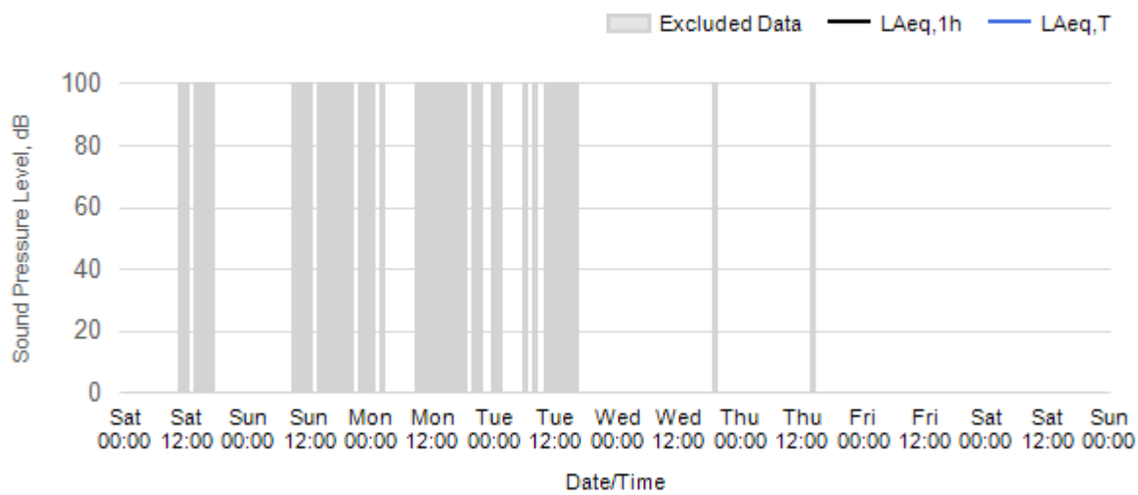
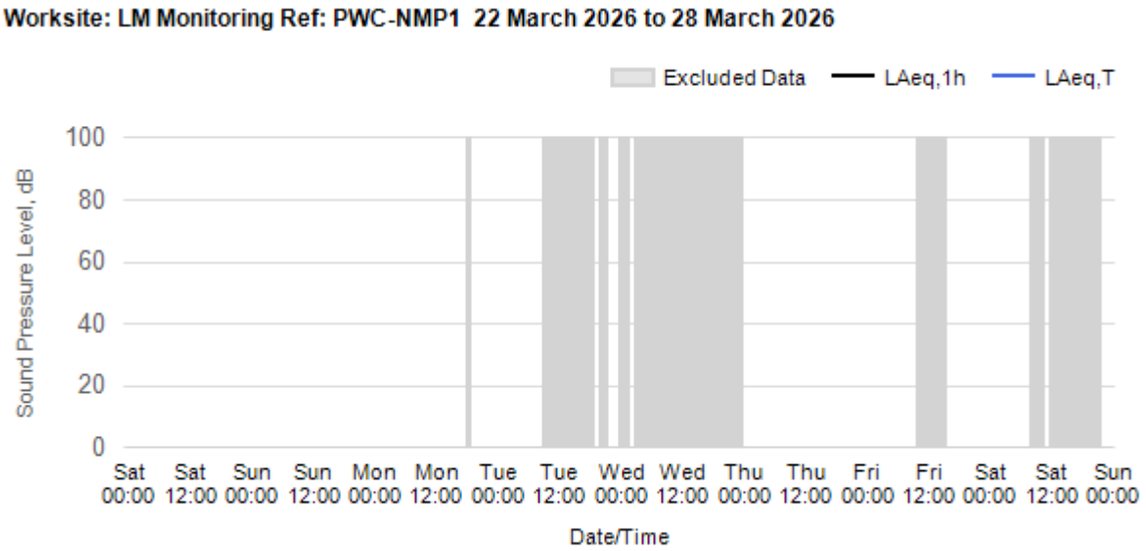


Note: Monitoring location was decommissioned and removed from site.

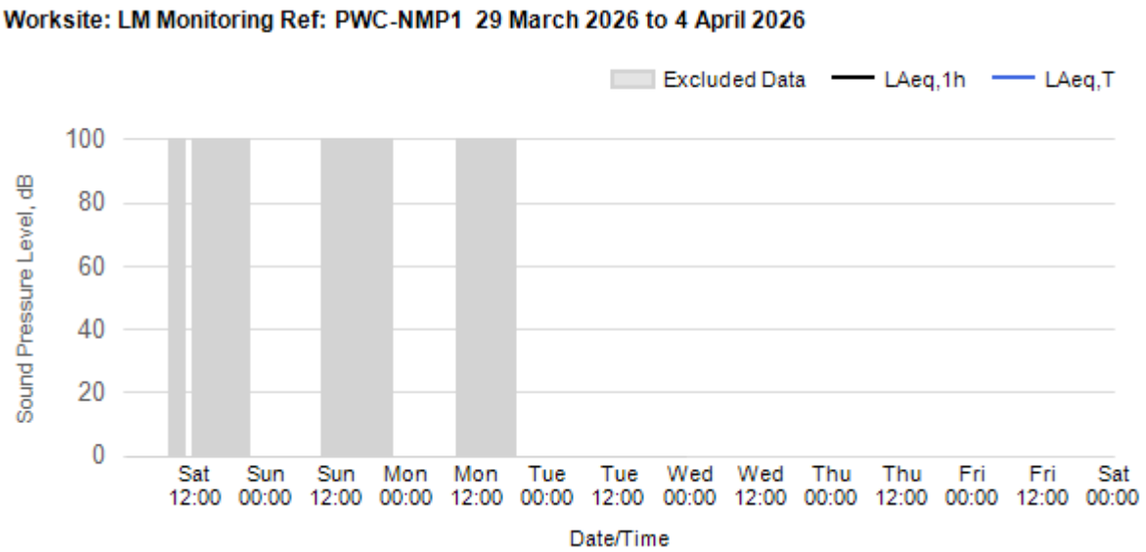
Worksite: LM Monitoring Ref: PWC-NMP1 15 March 2026 to 21 March 2026



Note: Monitoring location was decommissioned and removed from site.

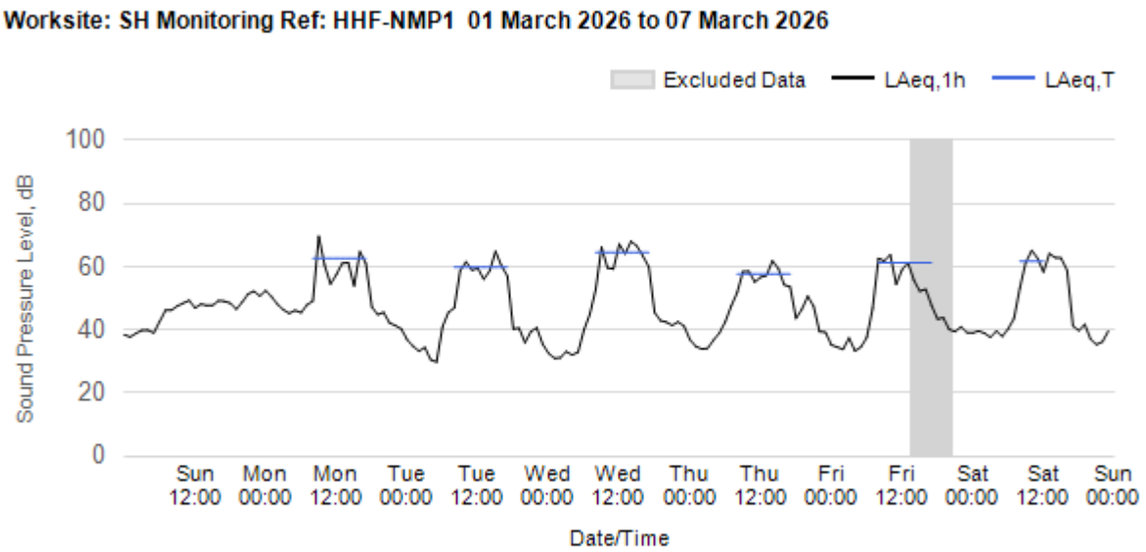


Note: Monitoring location was decommissioned and removed from site.



Note: Monitoring location was decommissioned and removed from site.

Worksite: SH - Monitoring Ref: HHF-NMP1



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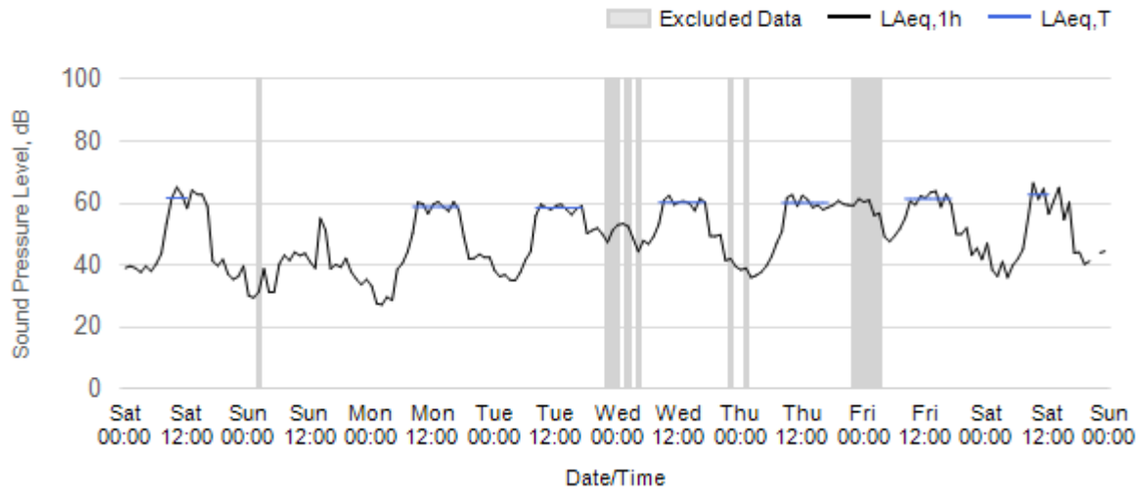

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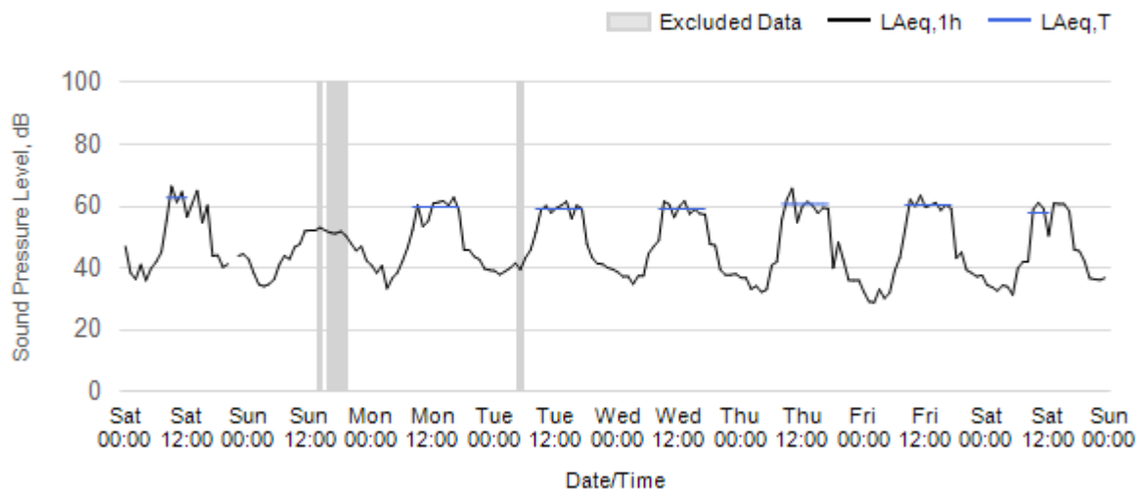
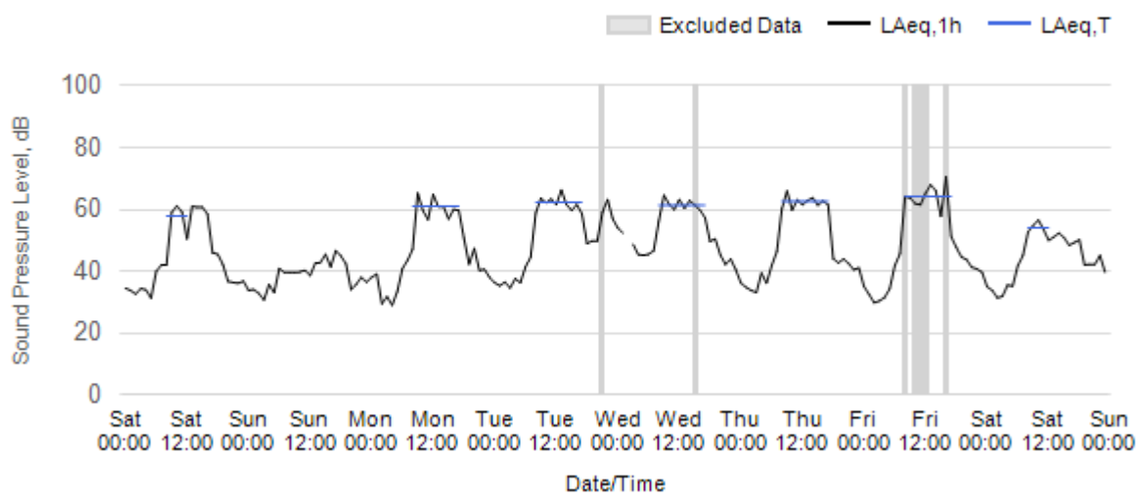


Note: Missing data was due to a communication error with the monitor

Worksite: SH Monitoring Ref: HHF-NMP1 22 March 2026 to 28 March 2026



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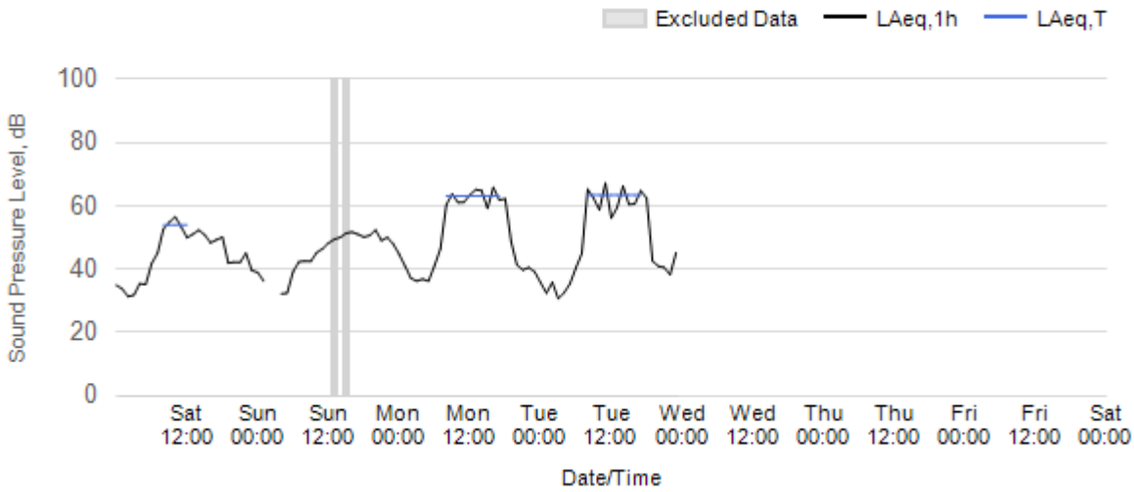
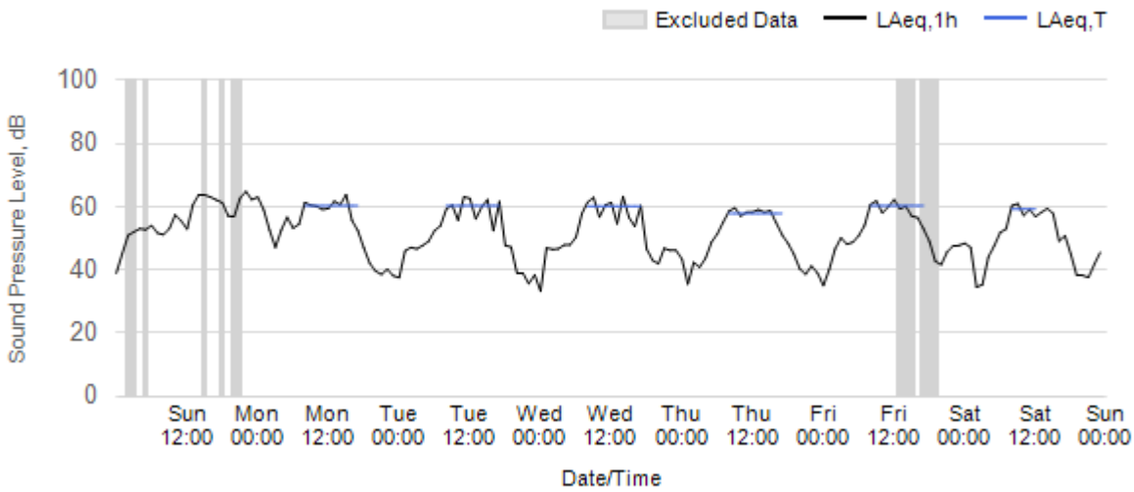


Worksite: SHC - Monitoring Ref: SHC-NMP1

Worksite: SHC Monitoring Ref: SHC-NMP1 01 March 2026 to 07 March 2026



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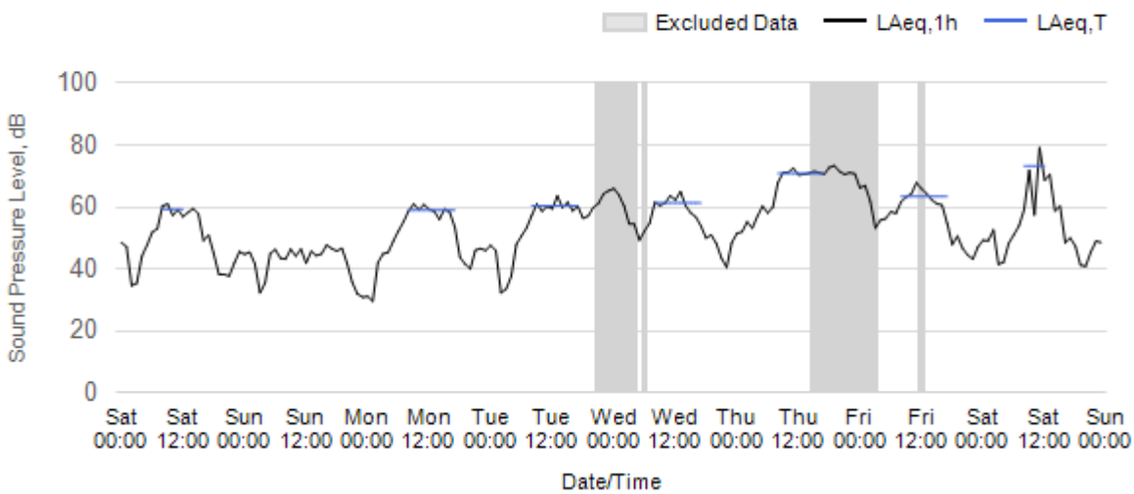

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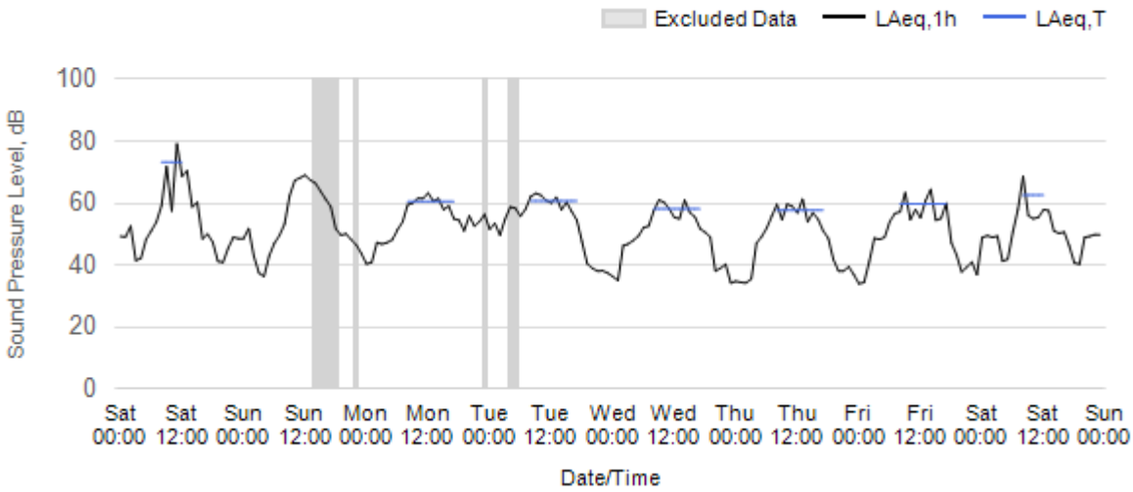

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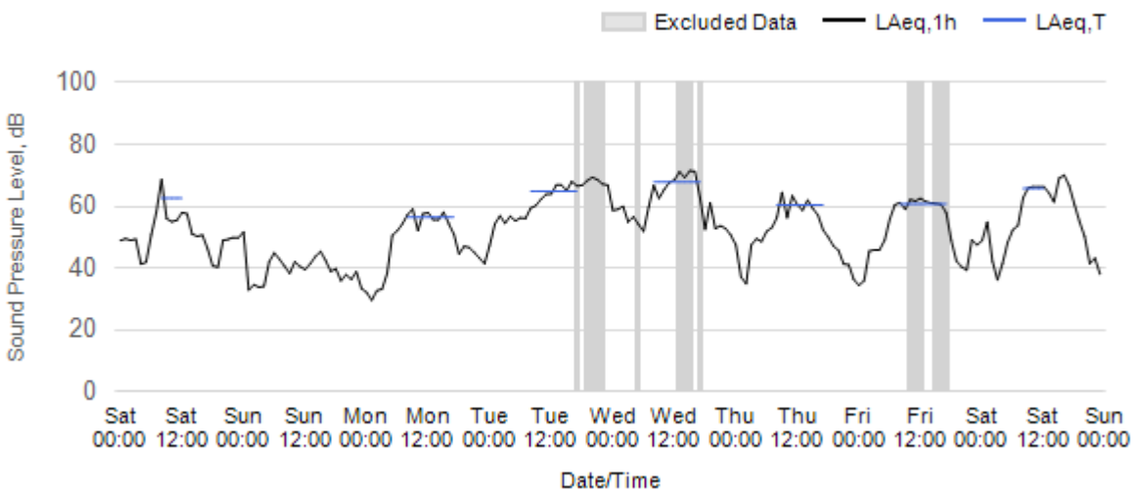

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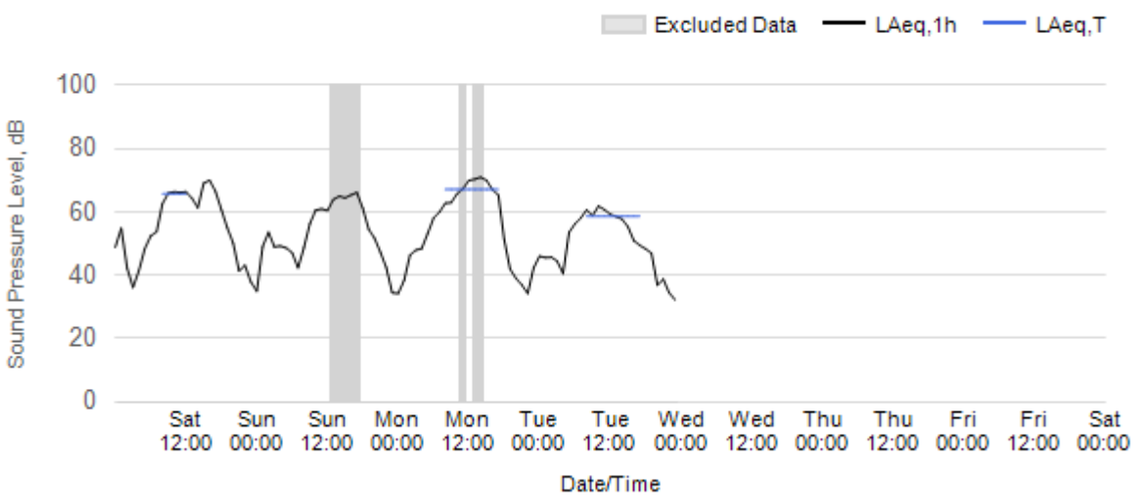

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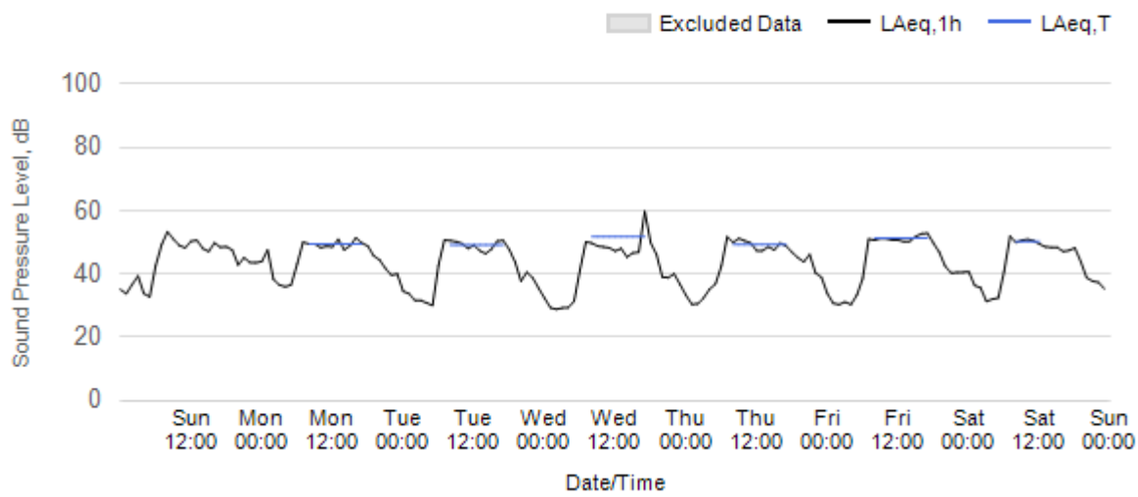
Worksite: NP Monitoring Ref: BLH-NMP1 01 March 2026 to 07 March 2026



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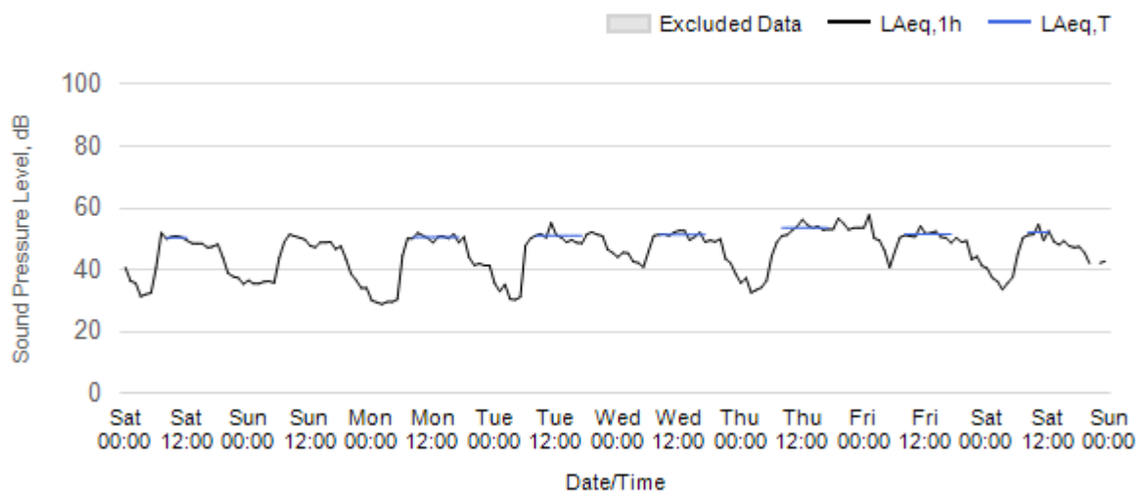

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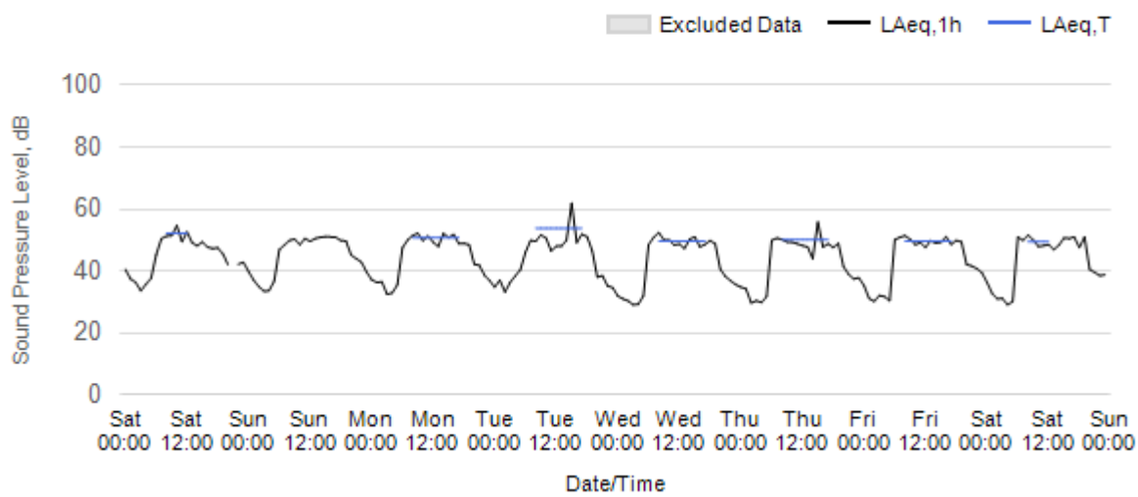
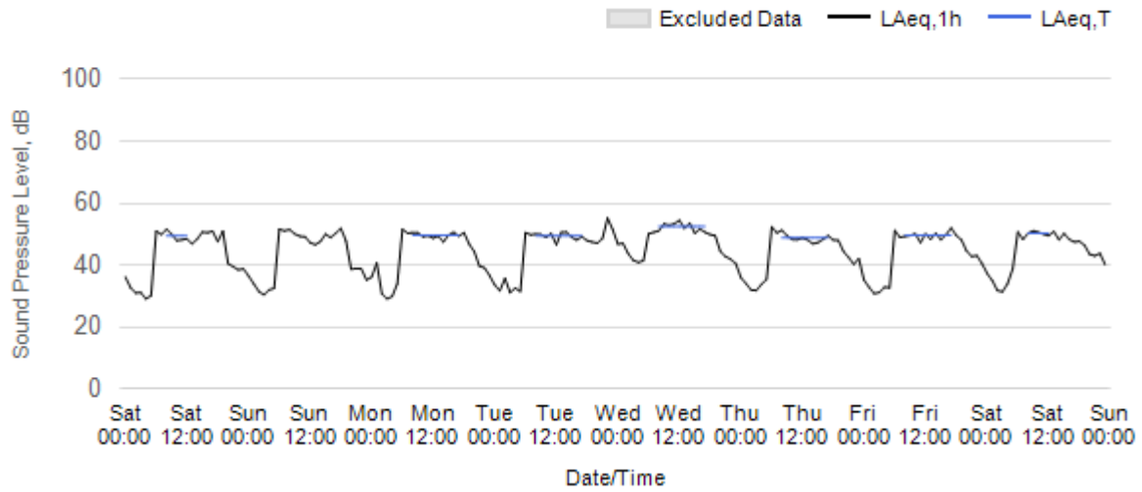


Note: Missing data was due to a communication error with the monitor

Worksite: NP Monitoring Ref: BLH-NMP1 22 March 2026 to 28 March 2026



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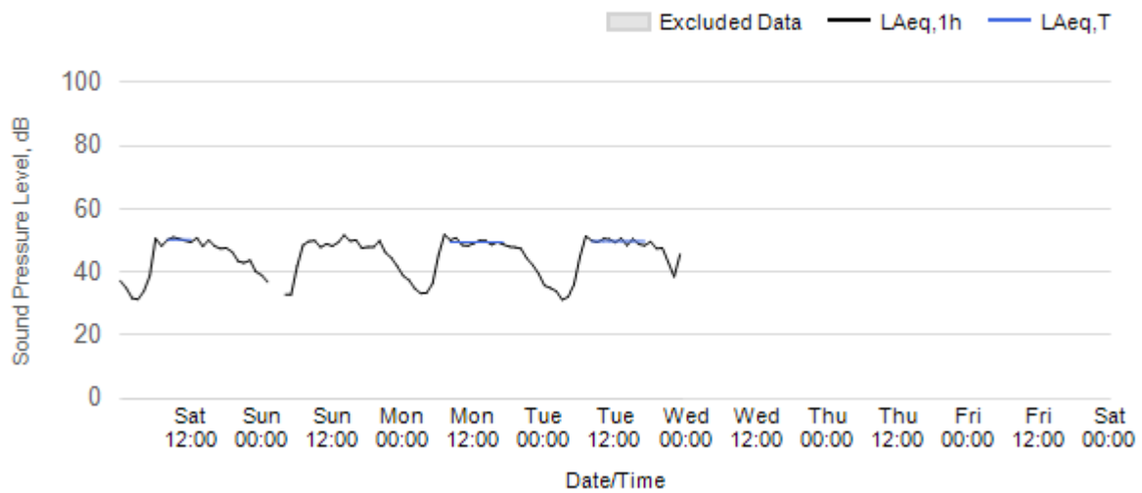
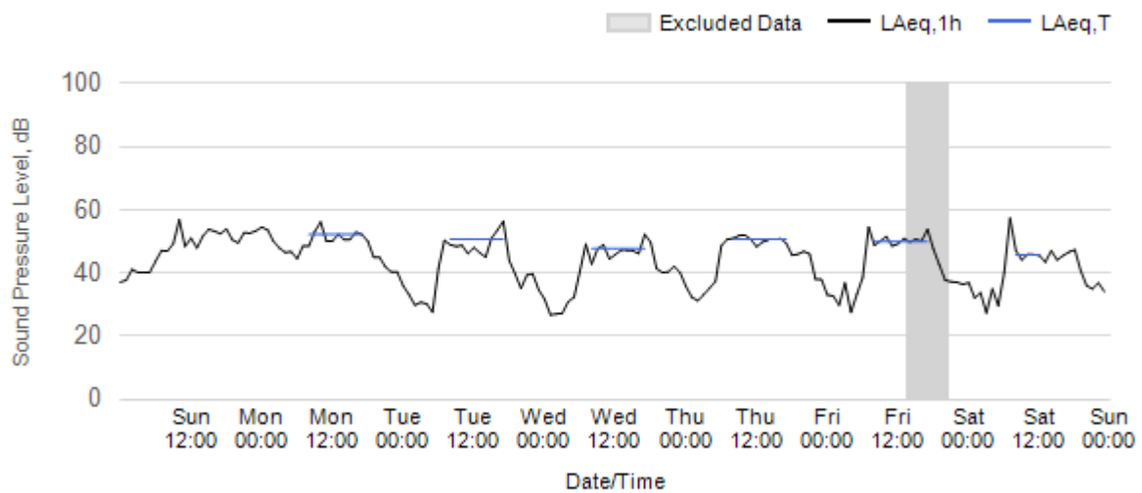


Note: Missing data was due to a communication error with the monitor

Worksite: SH - Monitoring Ref: PKF-NMP1

Worksite: SH Monitoring Ref: PKF-NMP1 01 March 2026 to 07 March 2026



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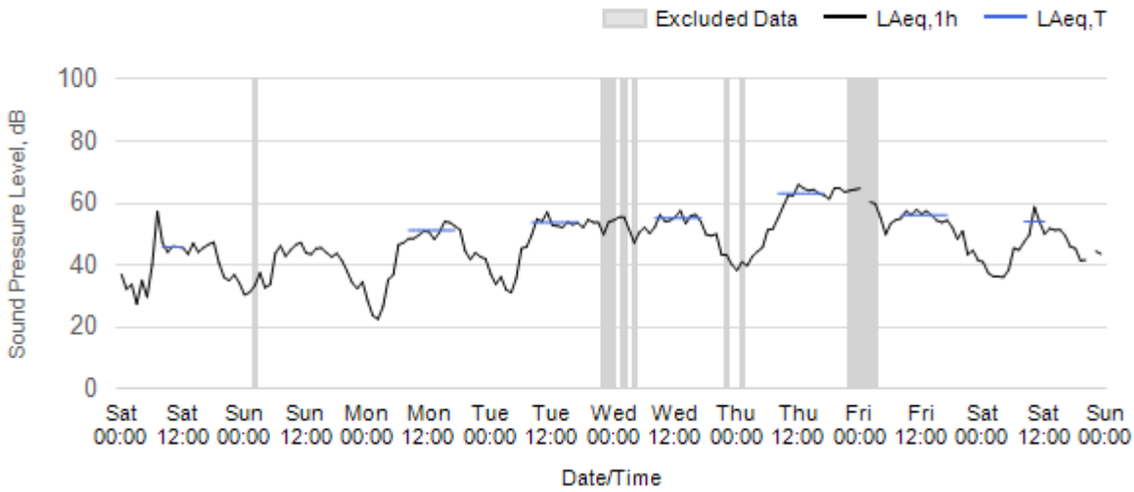

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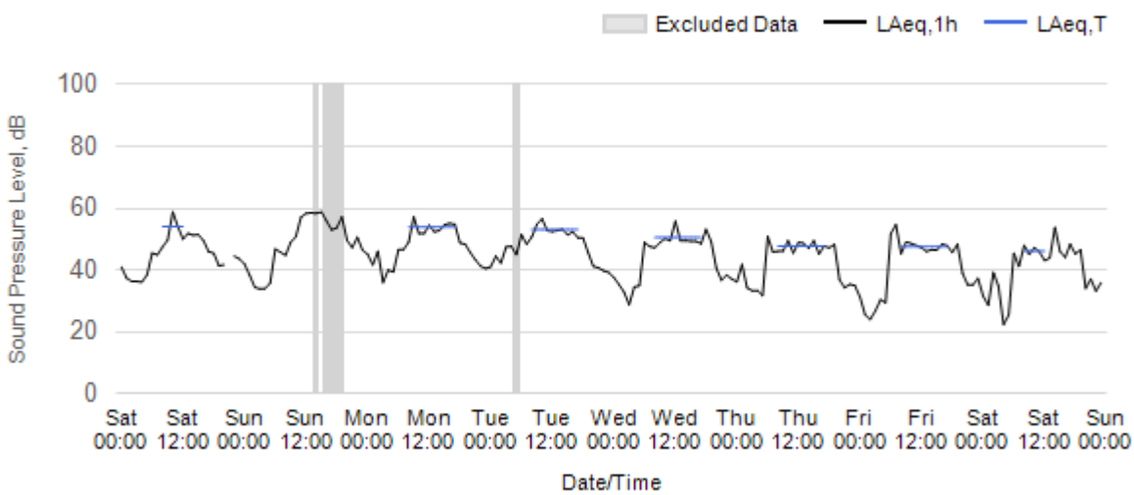

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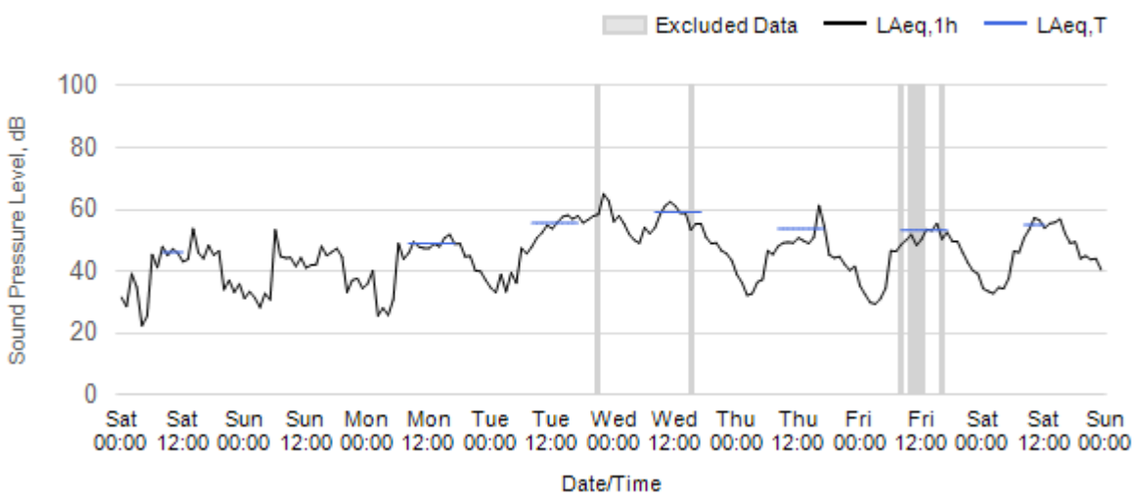

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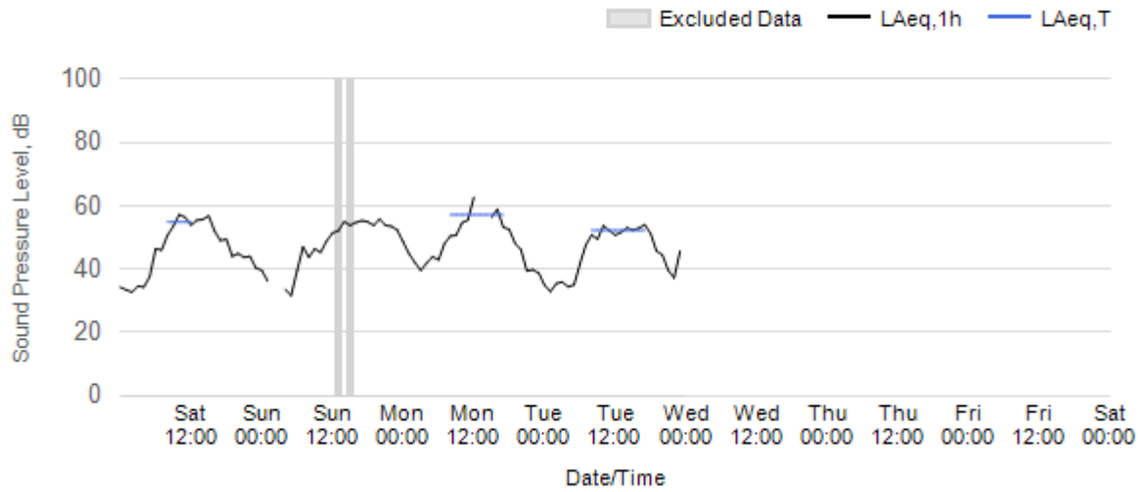

Note: Missing data was due to a communication error with the monitor

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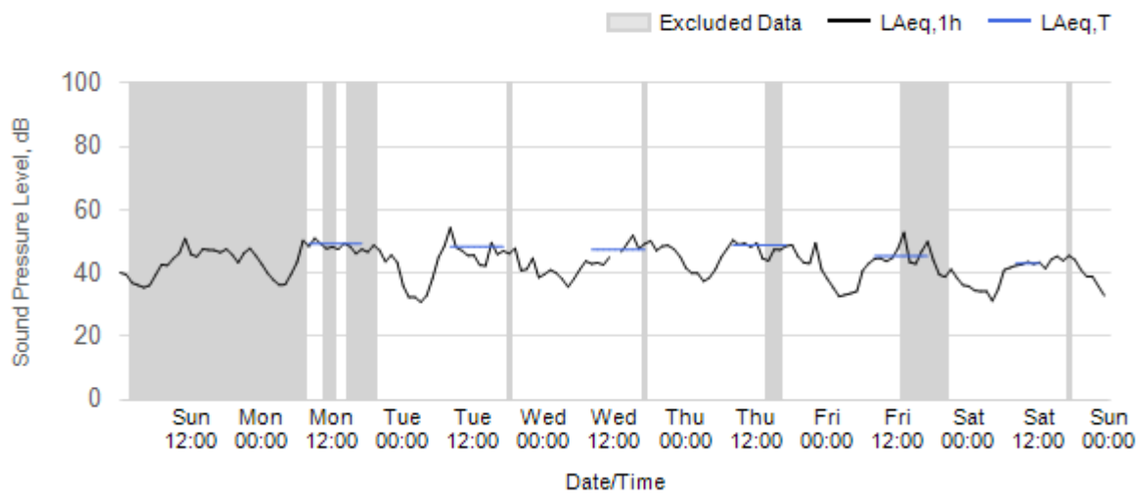
Worksite: CSP Monitoring Ref: CSP-NMP2 01 March 2026 to 07 March 2026



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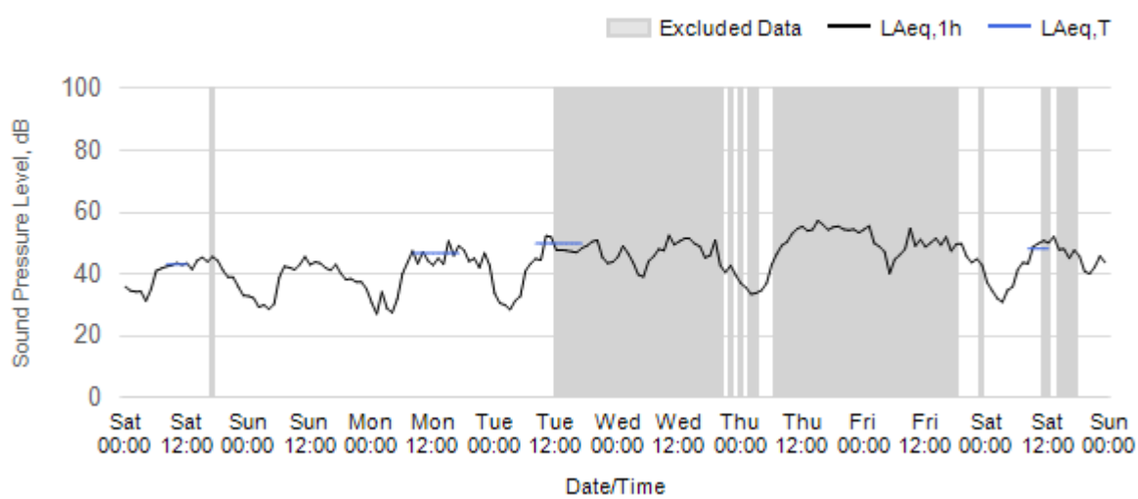

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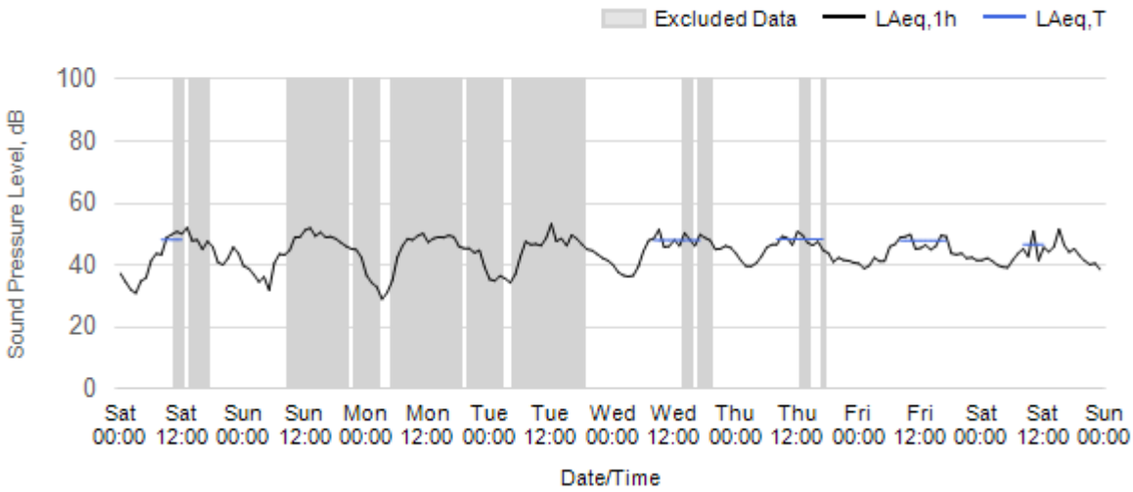

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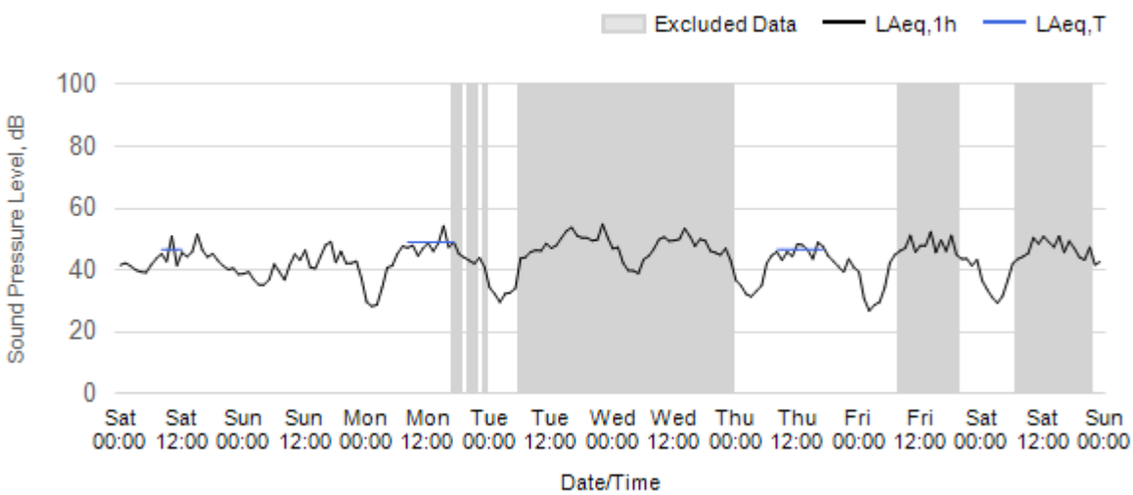

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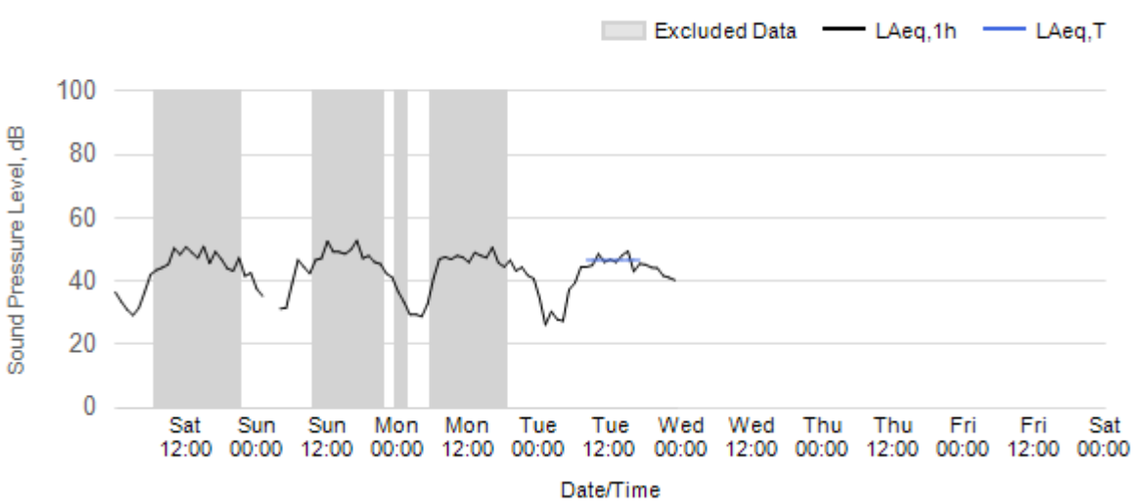
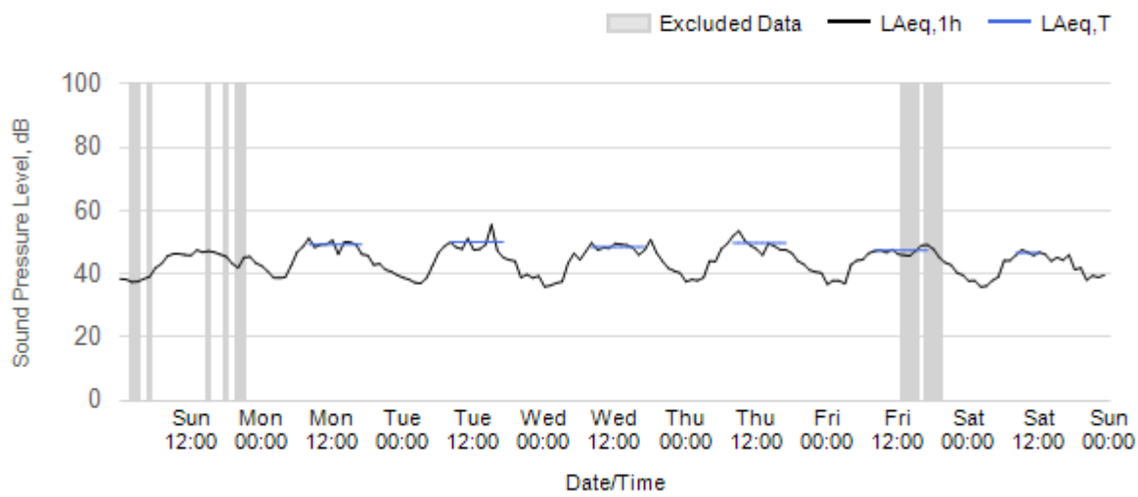


Worksite: QAR - Monitoring Ref: QAR-NMP2

Worksite: QAR Monitoring Ref: QAR-NMP2 01 March 2026 to 07 March 2026



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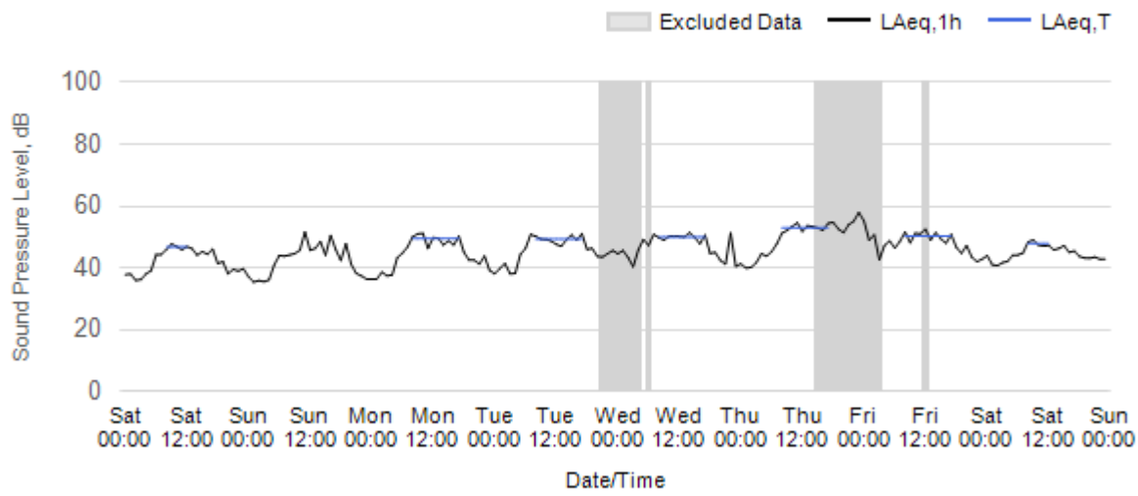

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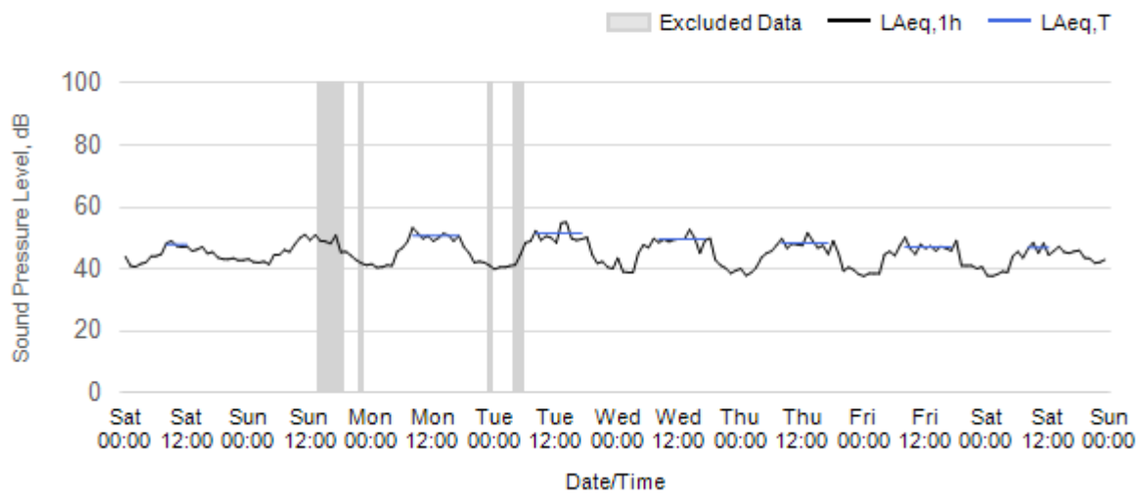

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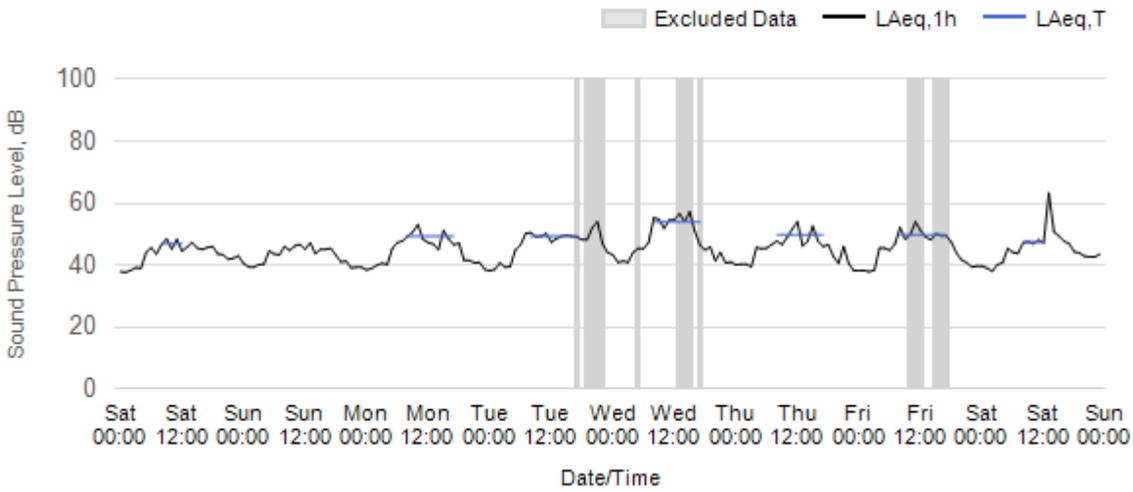

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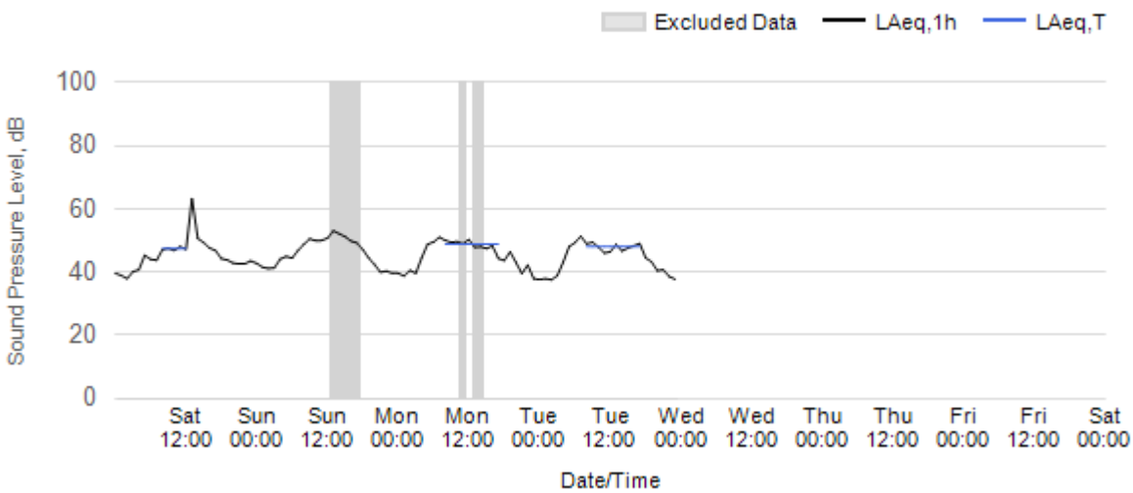
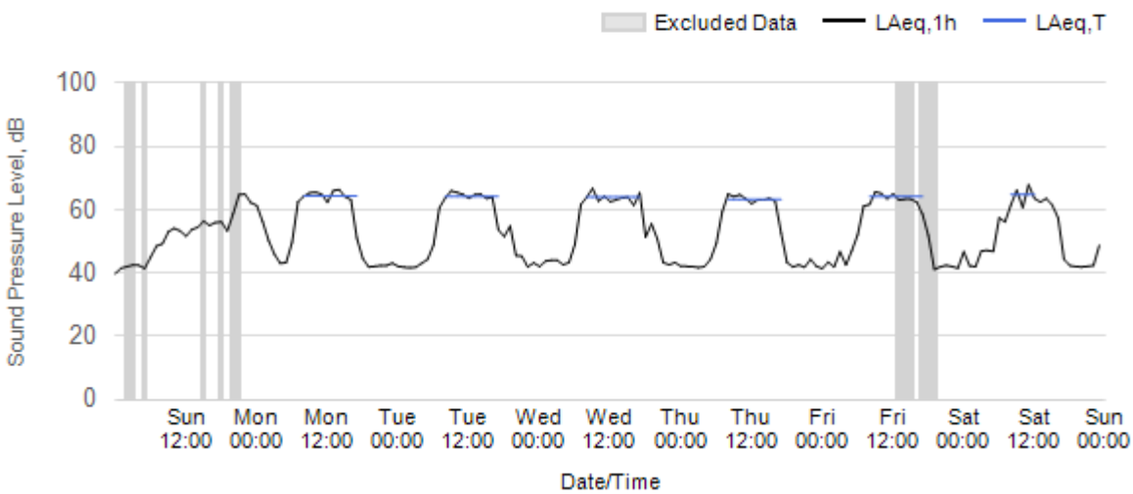


Worksite: WDL - Monitoring Ref: WDL-NMP1

Worksite: WDL Monitoring Ref: WDL-NMP1 01 March 2026 to 07 March 2026



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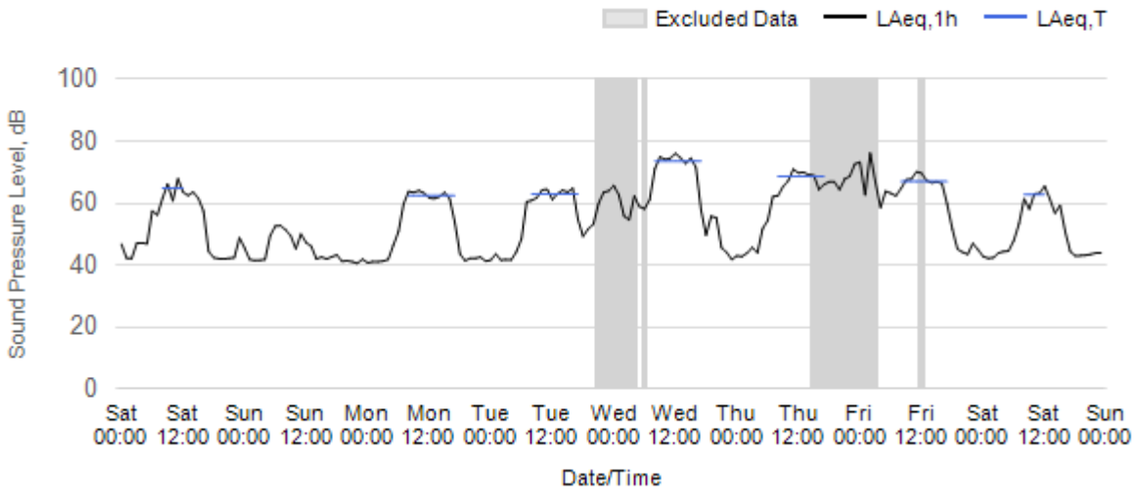

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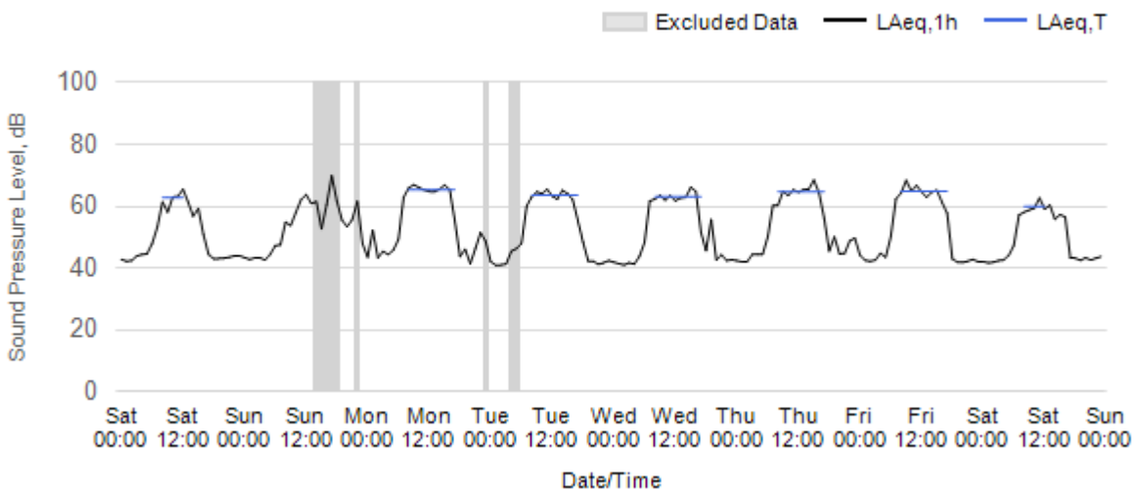

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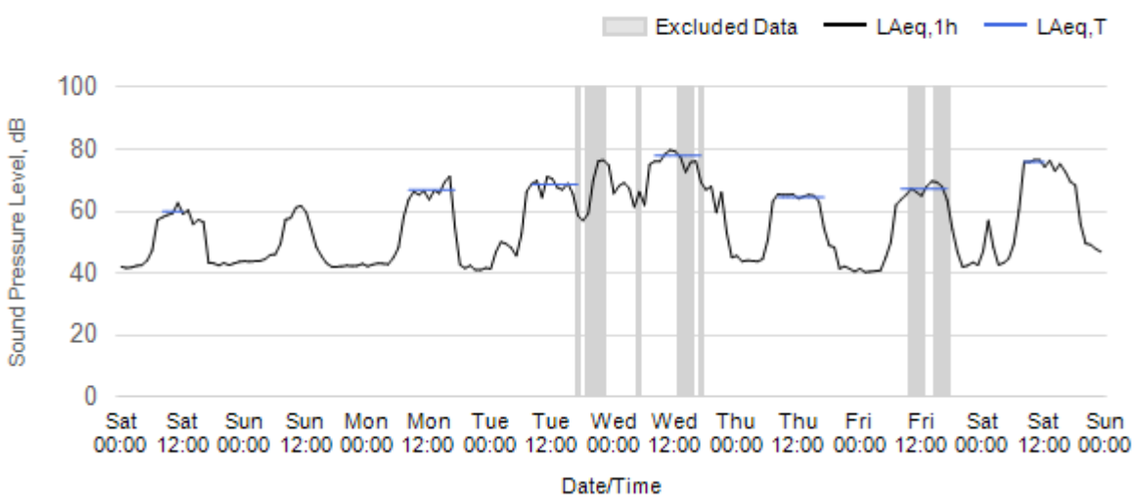

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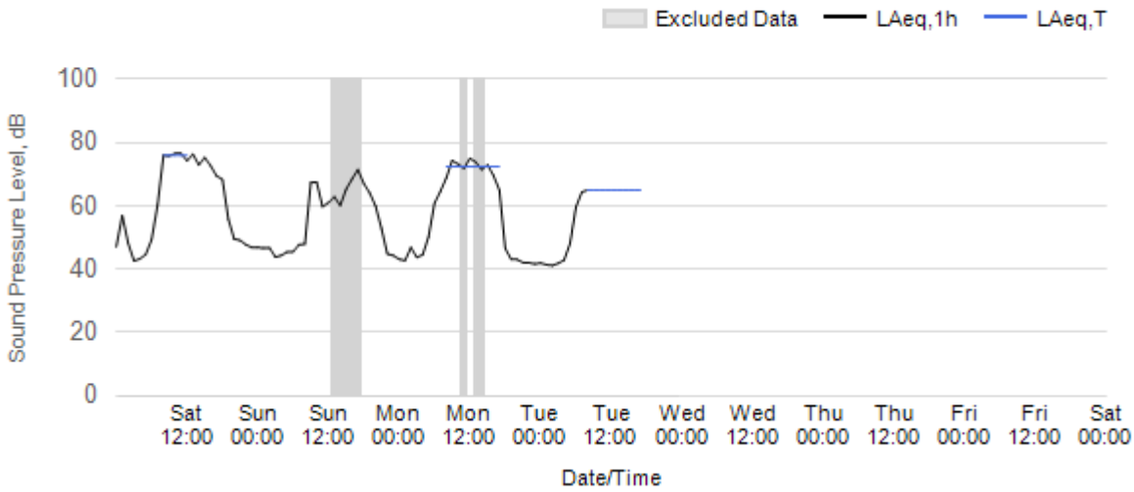
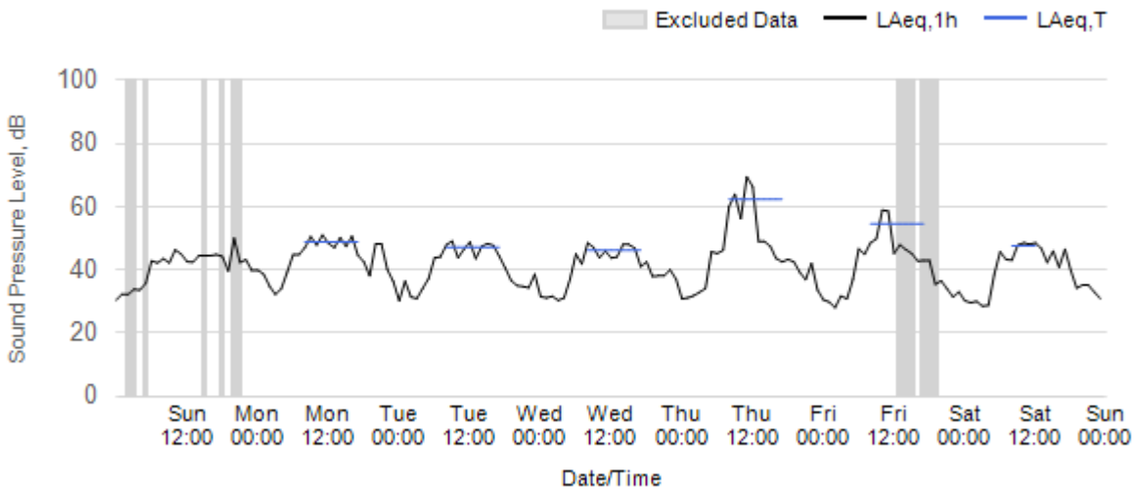


Worksite: WSO - Monitoring Ref: WSO-NMP1

Worksite: WSO Monitoring Ref: WSO-NMP1 01 March 2026 to 07 March 2026



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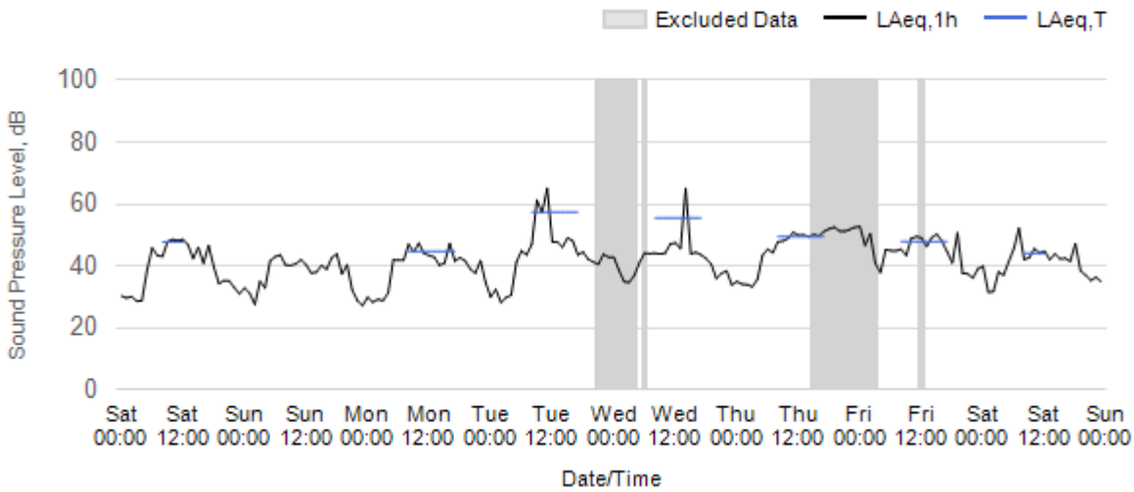

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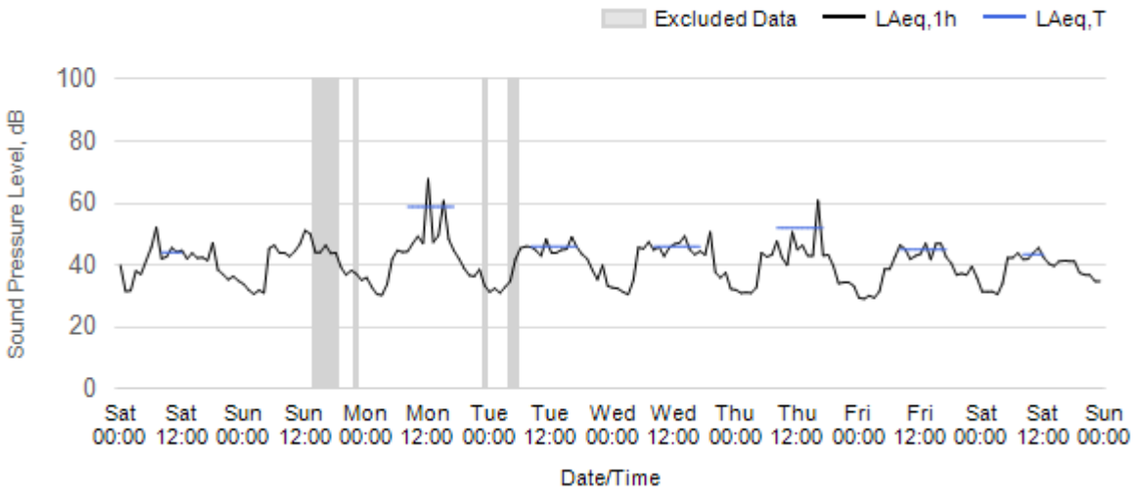

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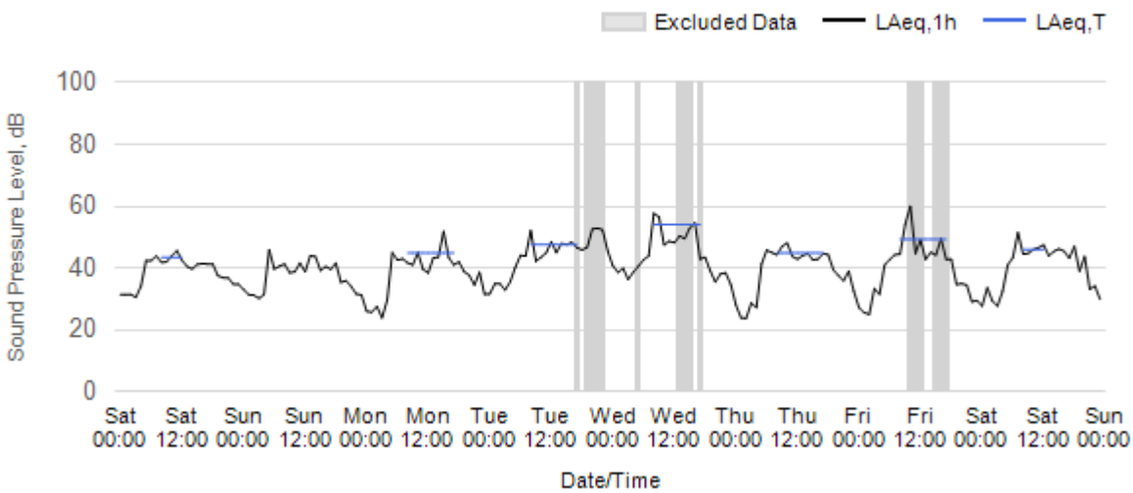

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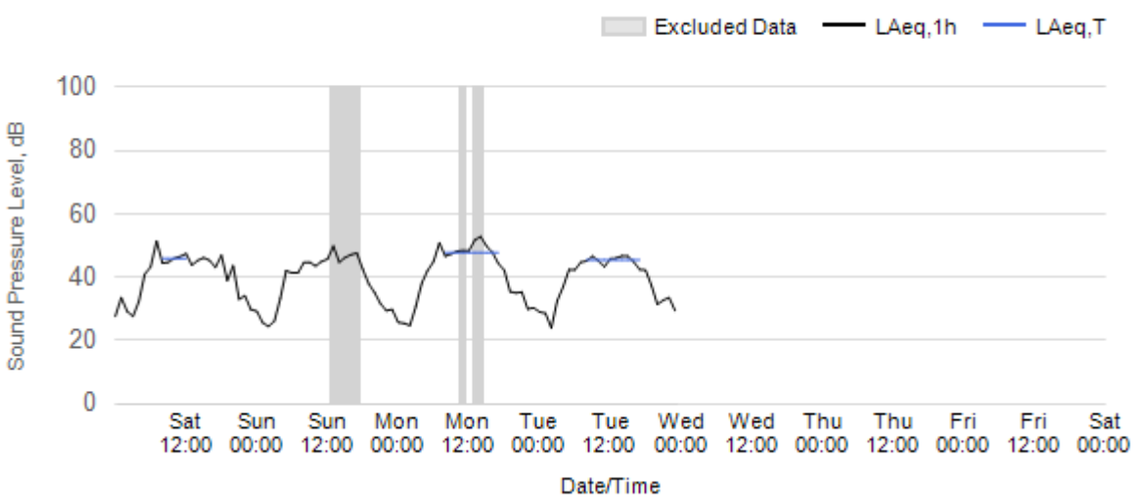

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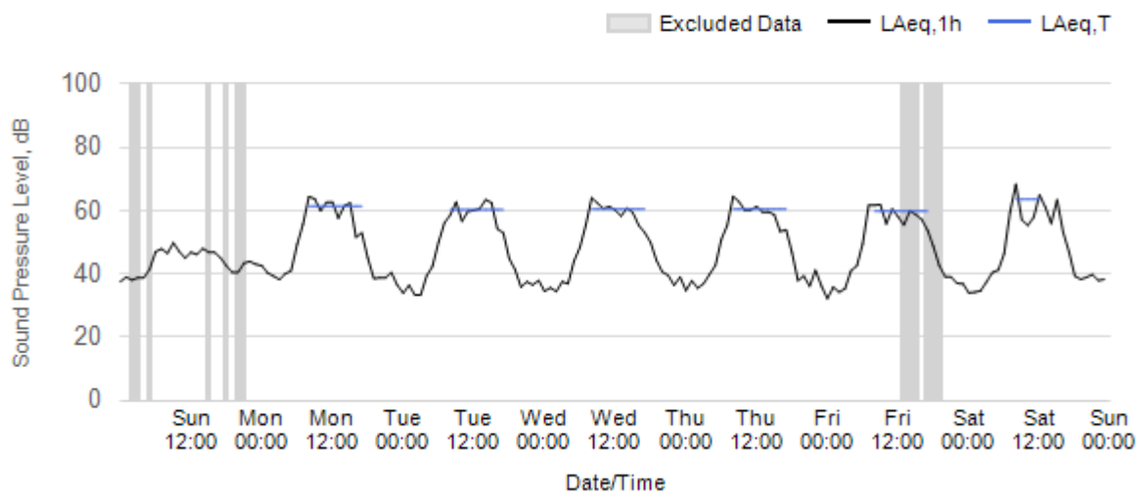

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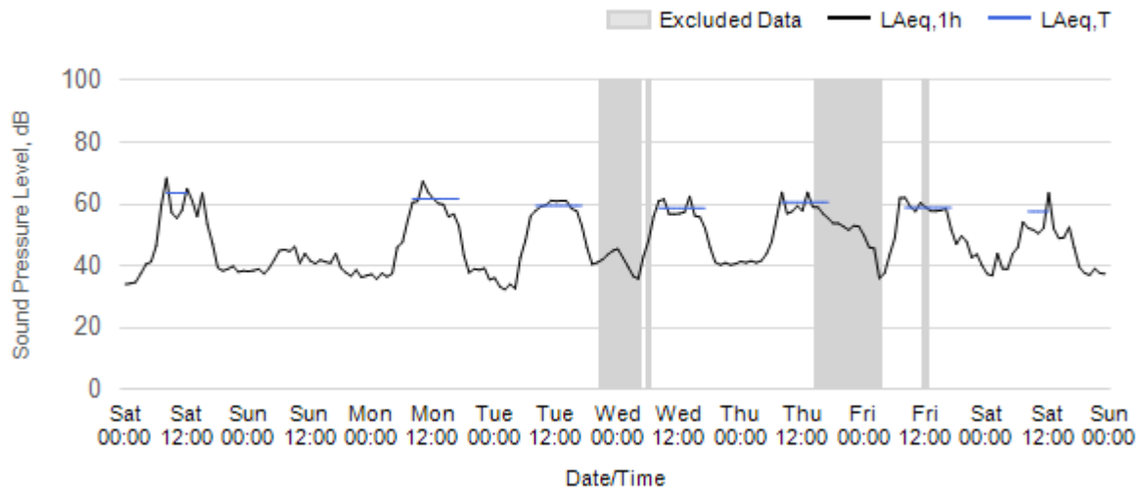

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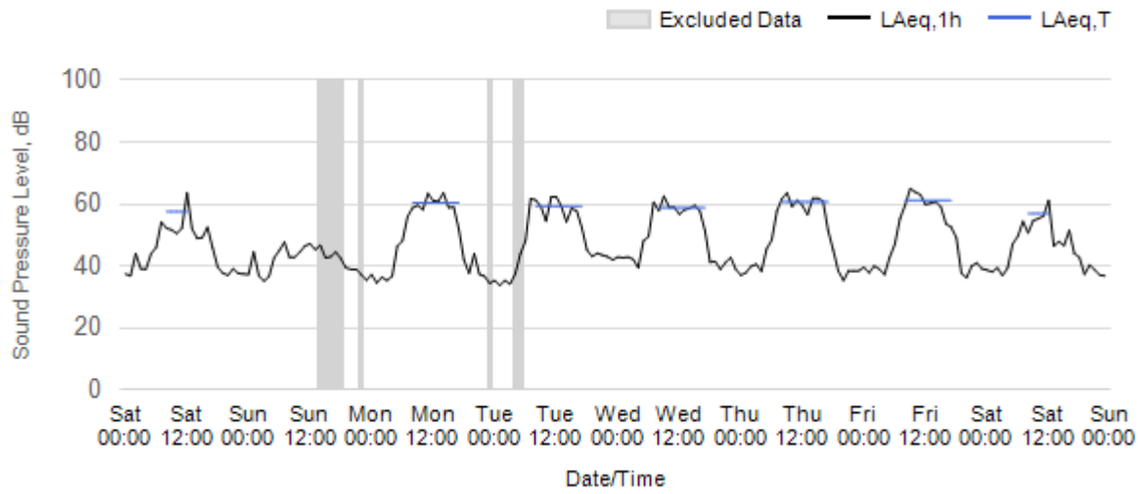

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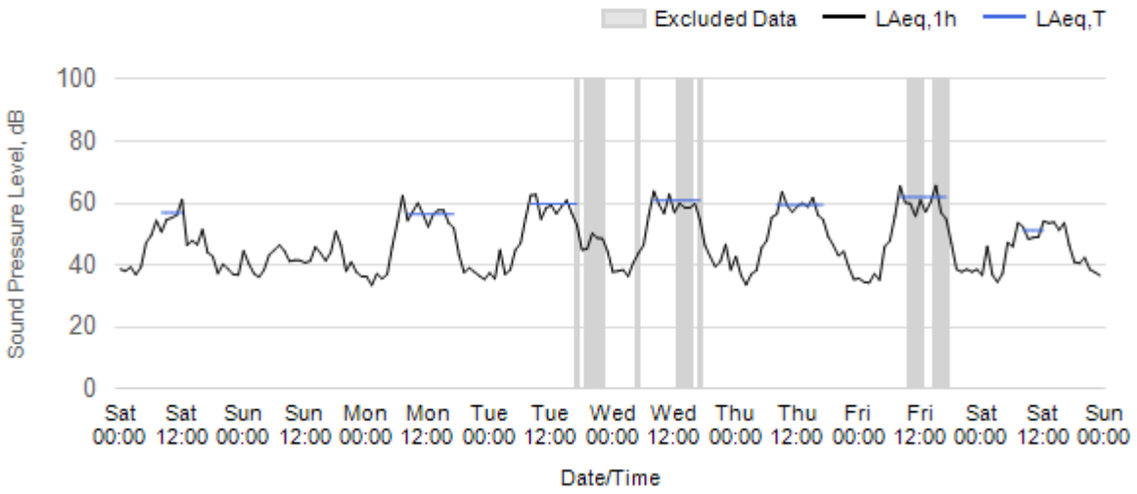

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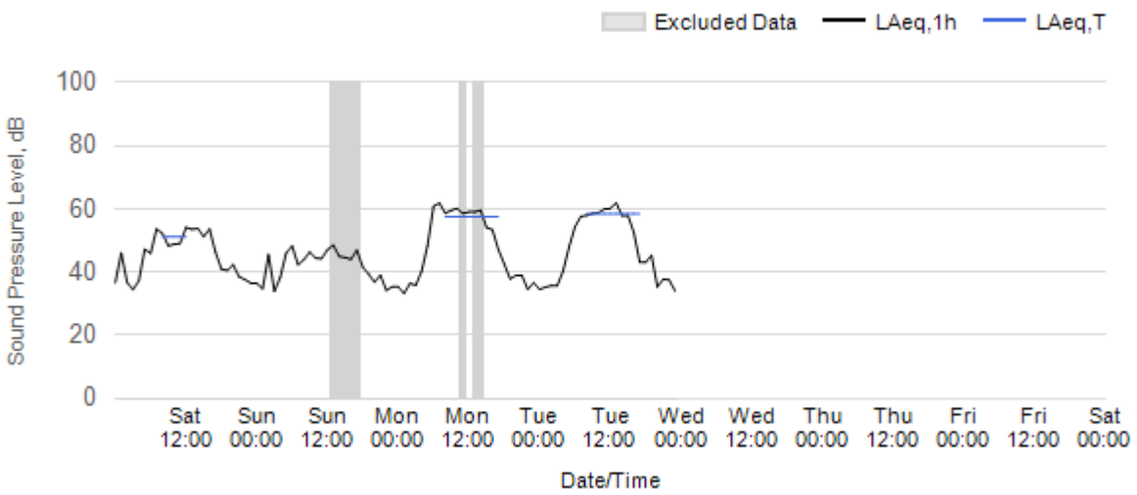

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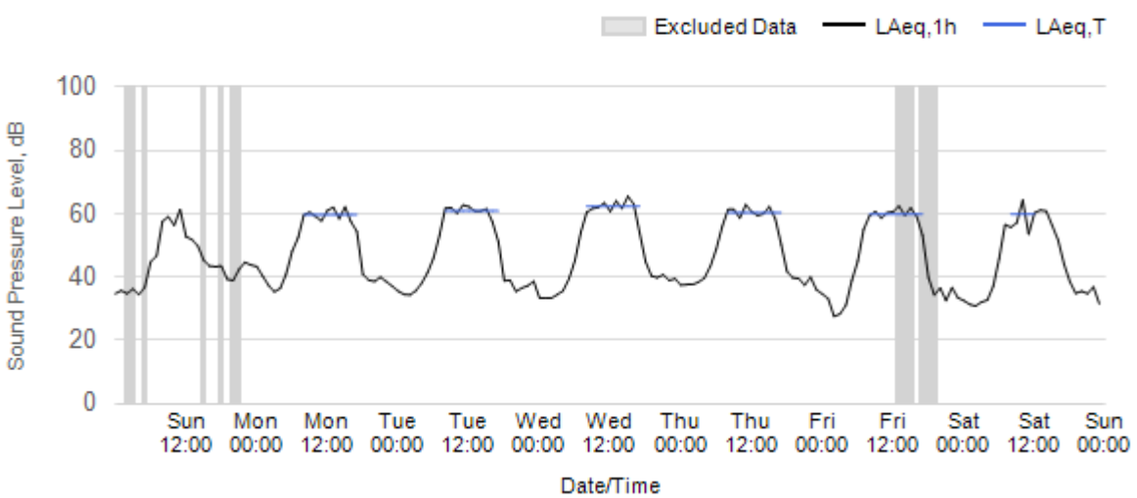

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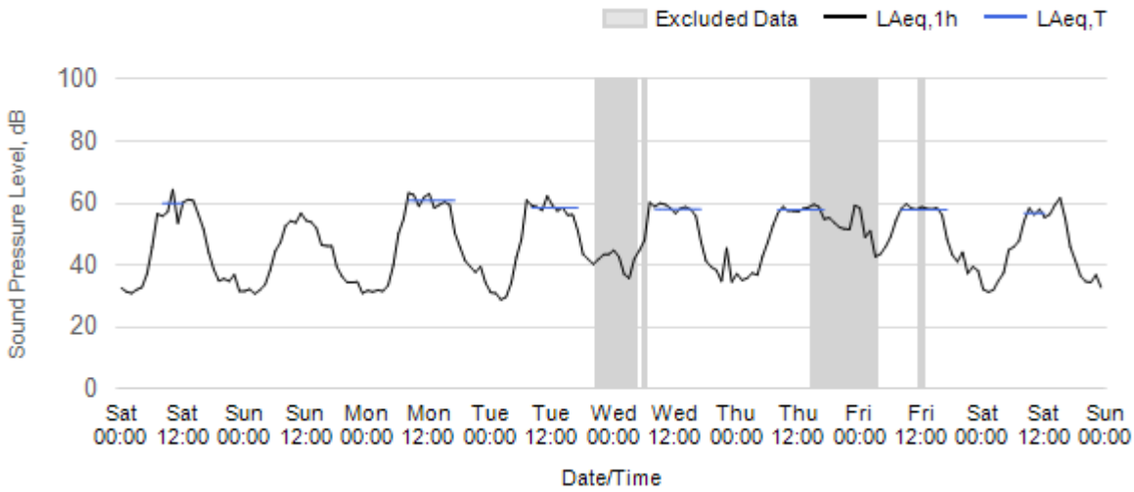

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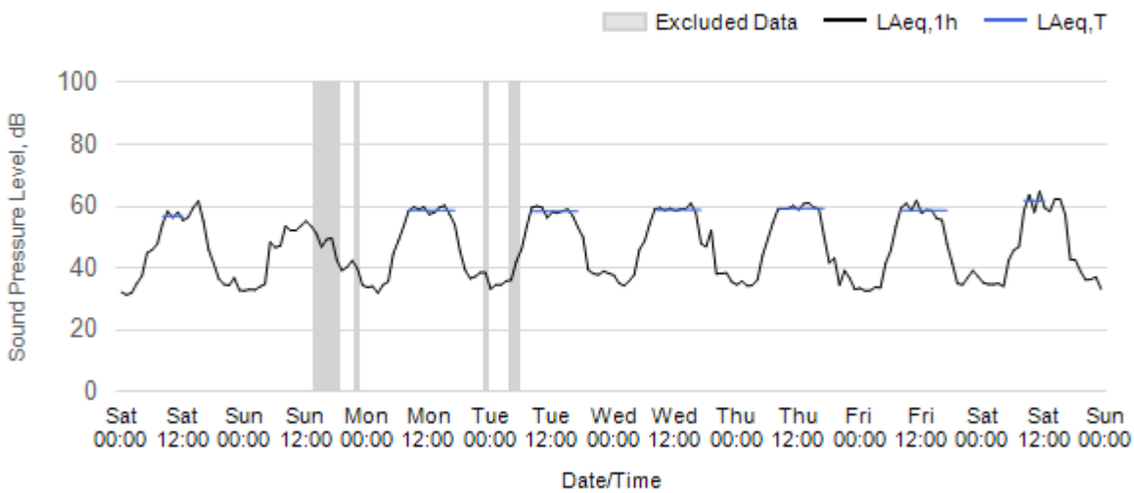

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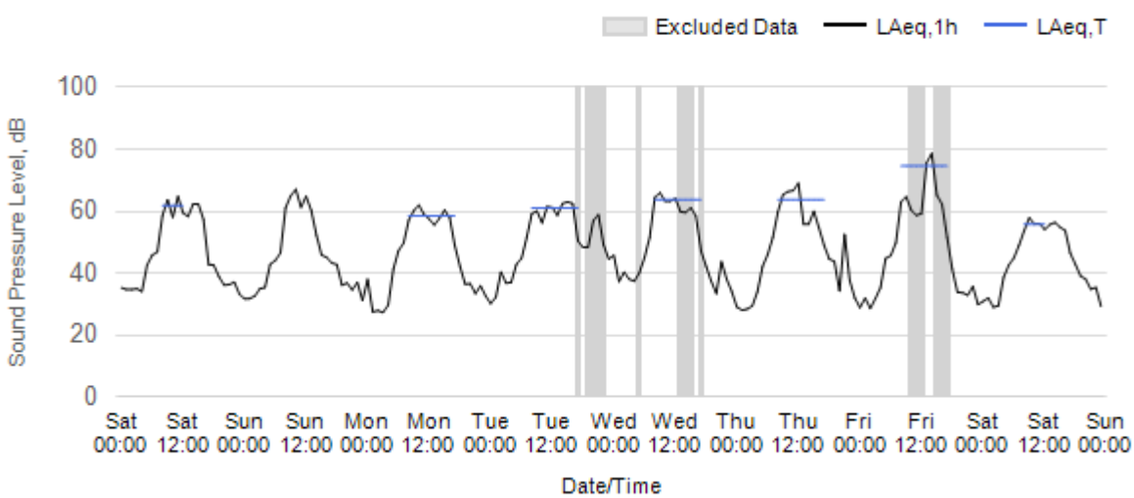

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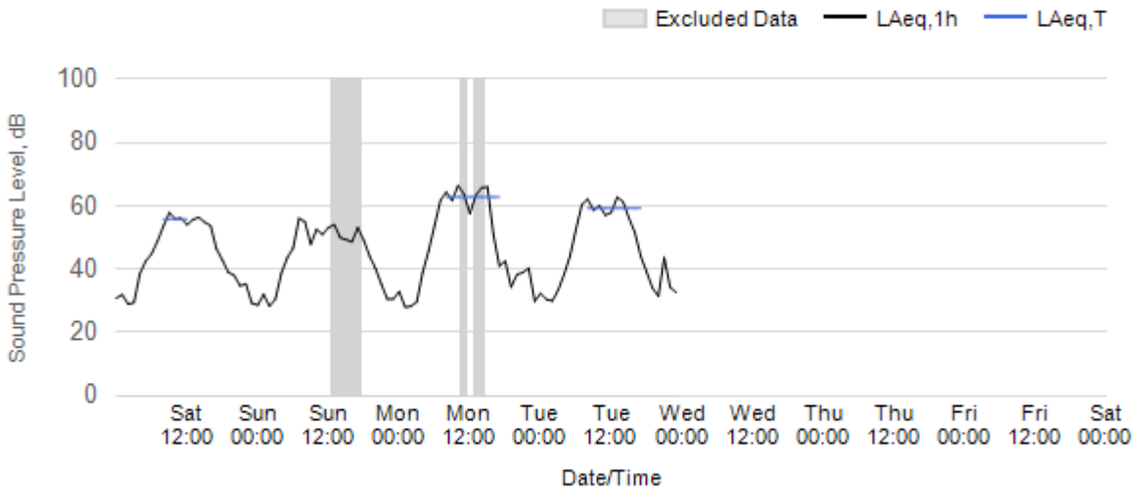

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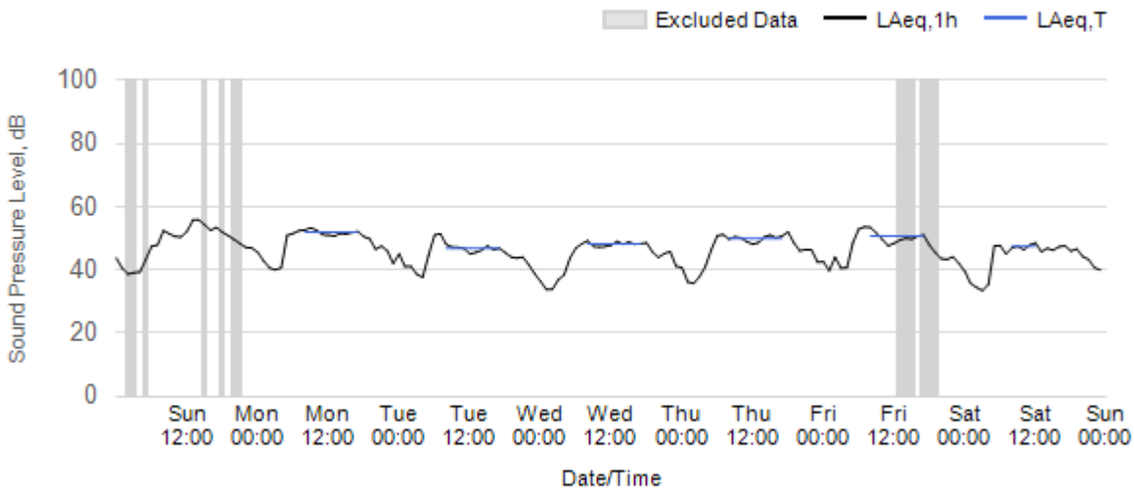

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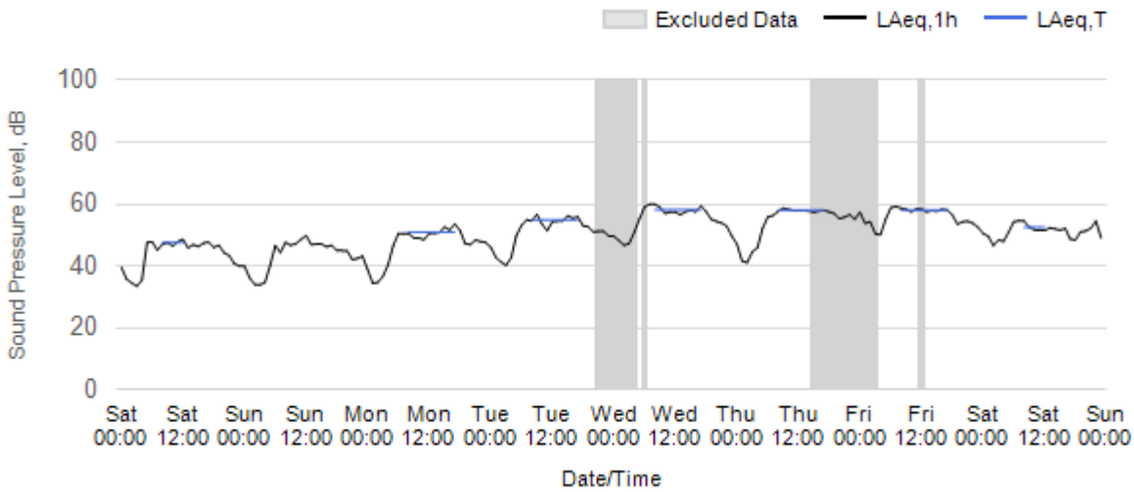

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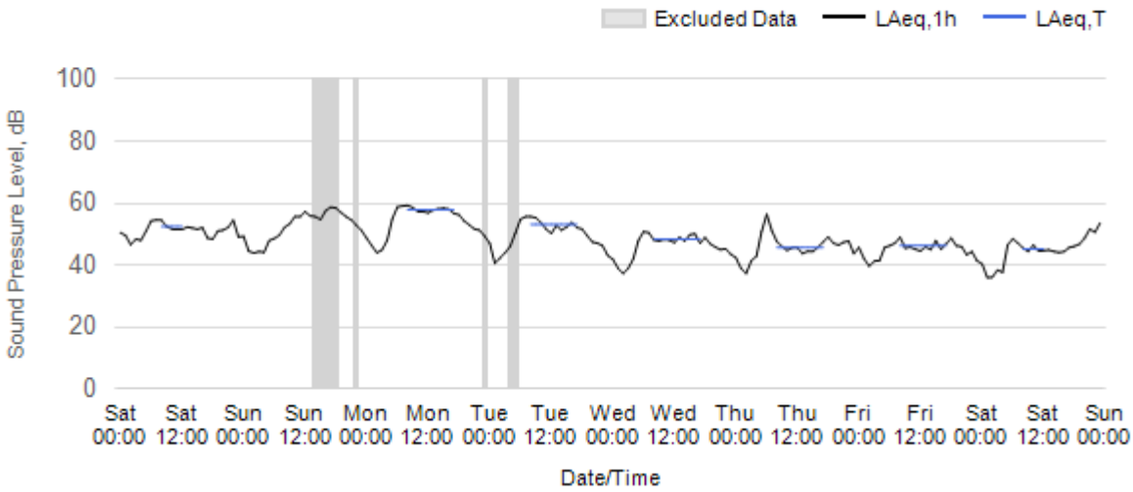

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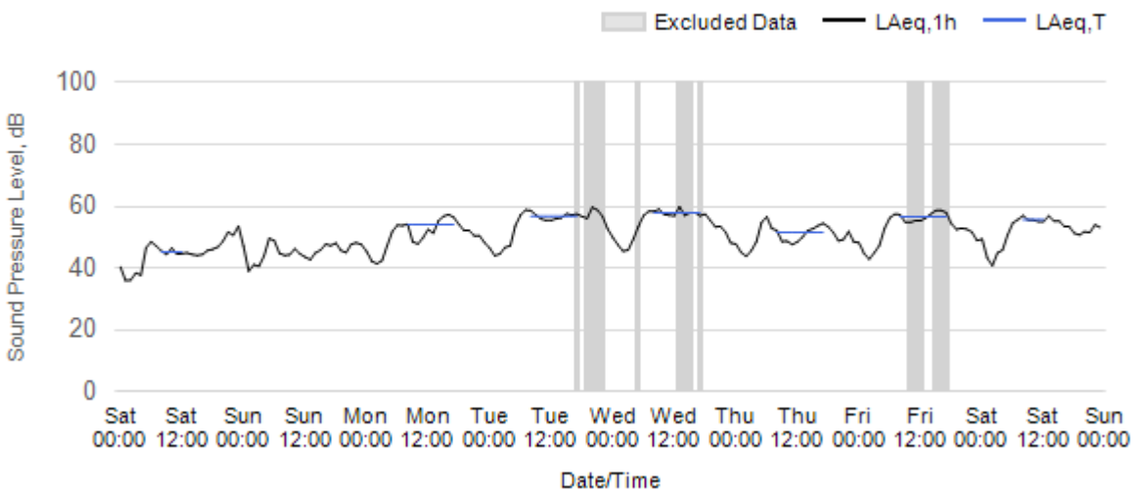

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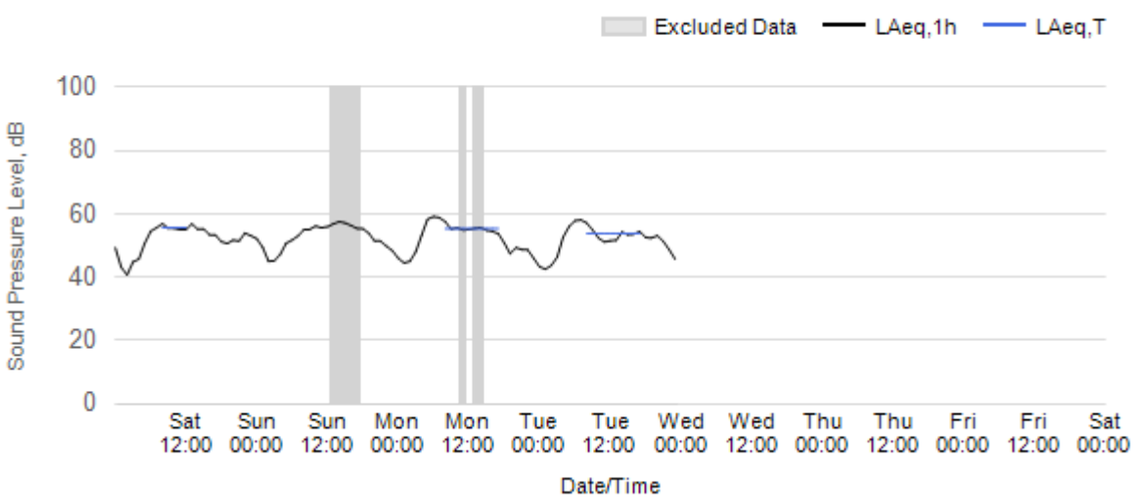

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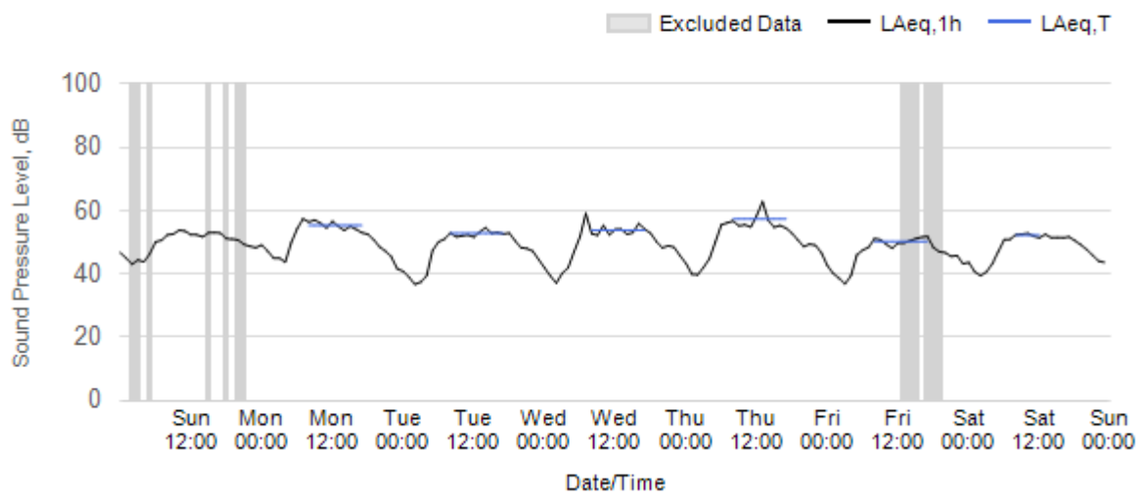

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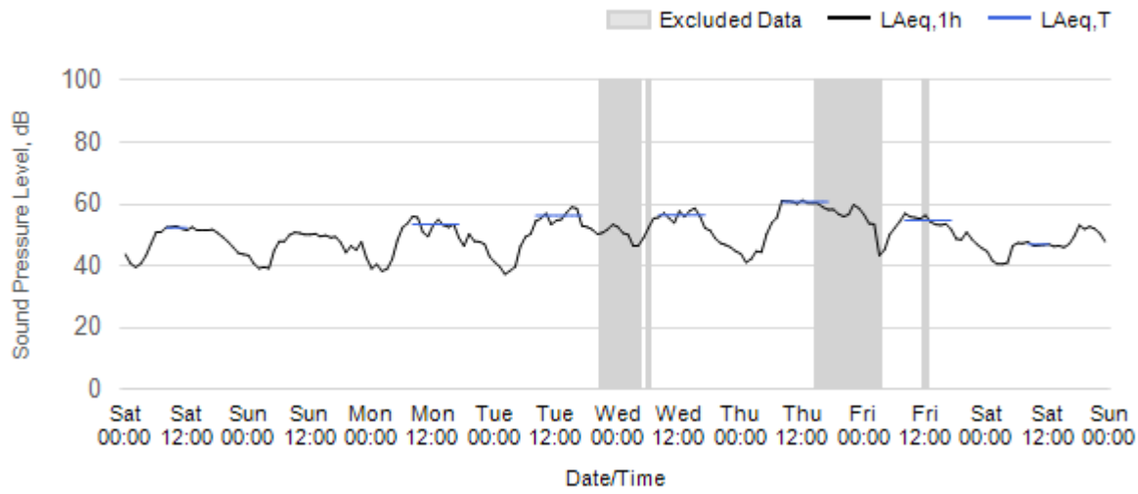

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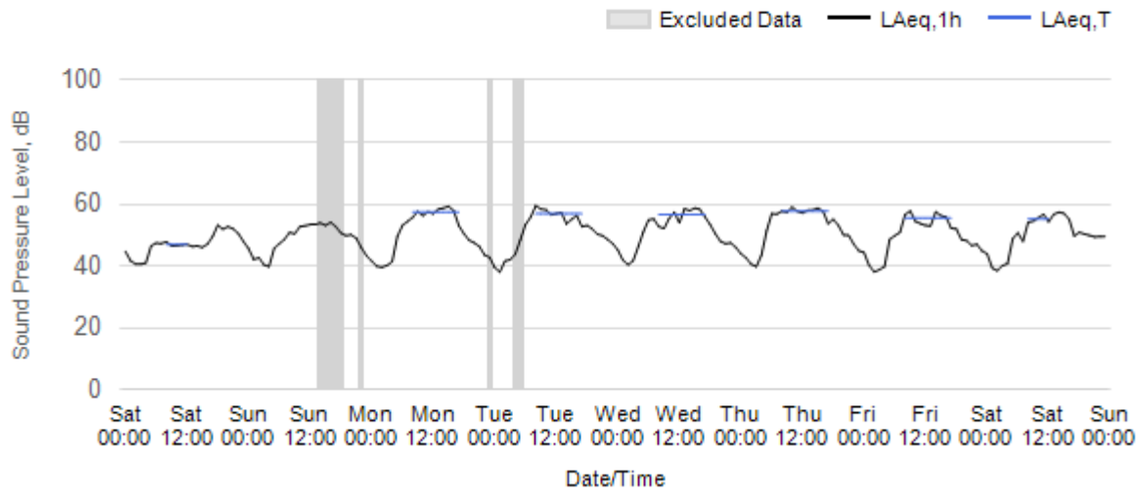

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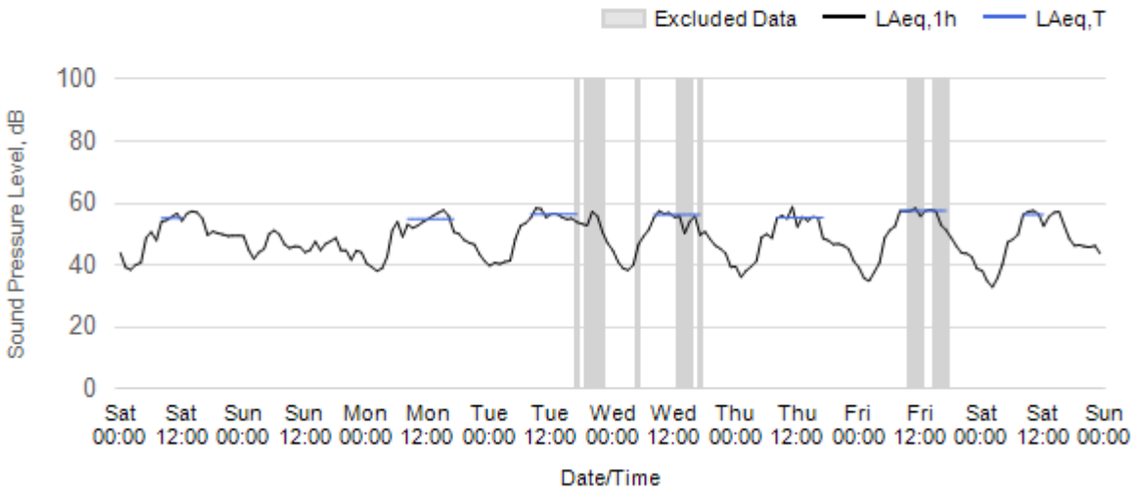

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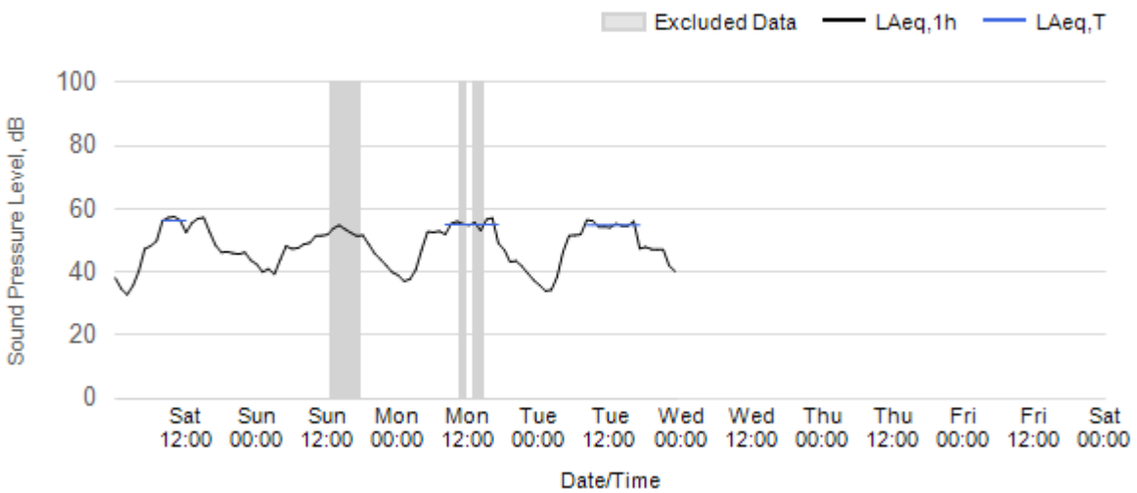

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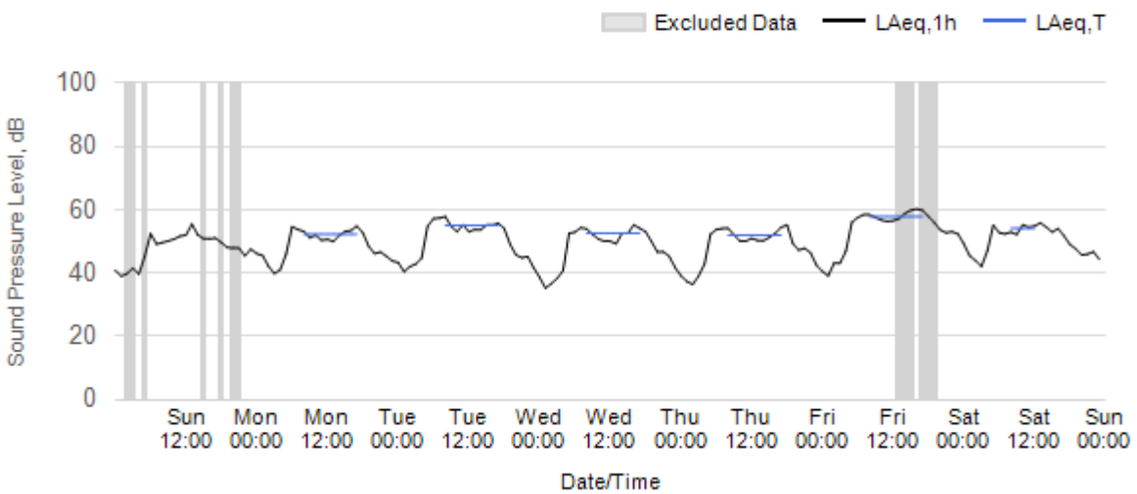

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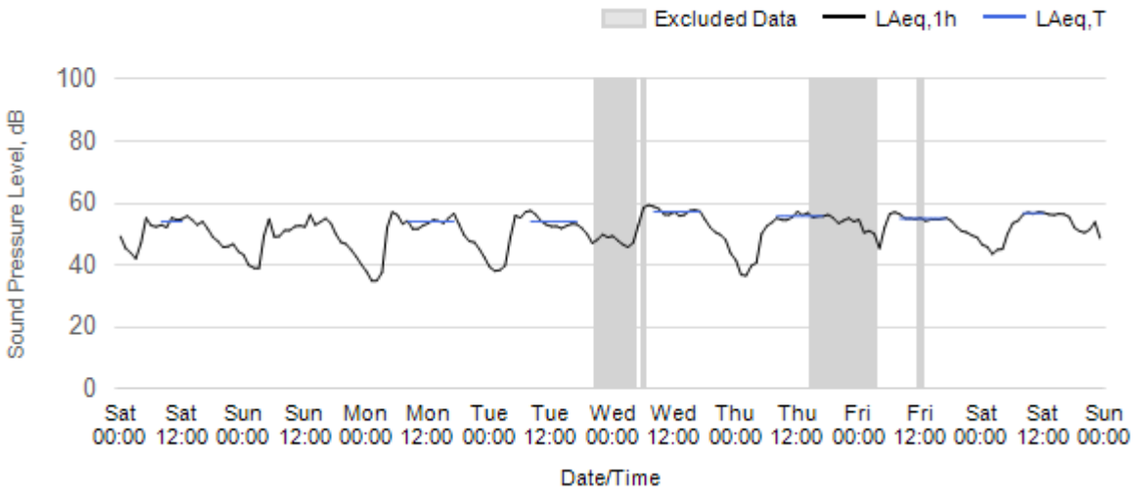

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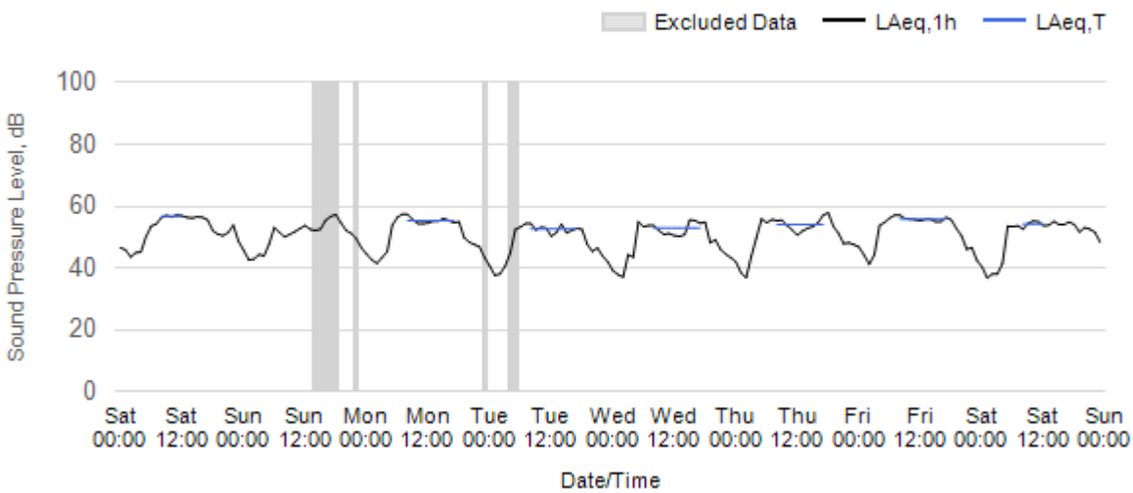

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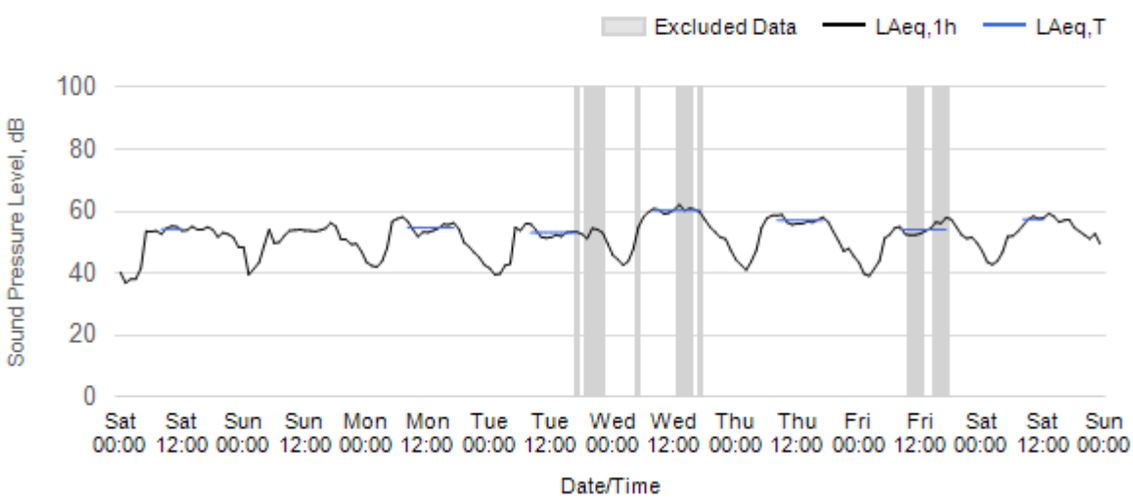

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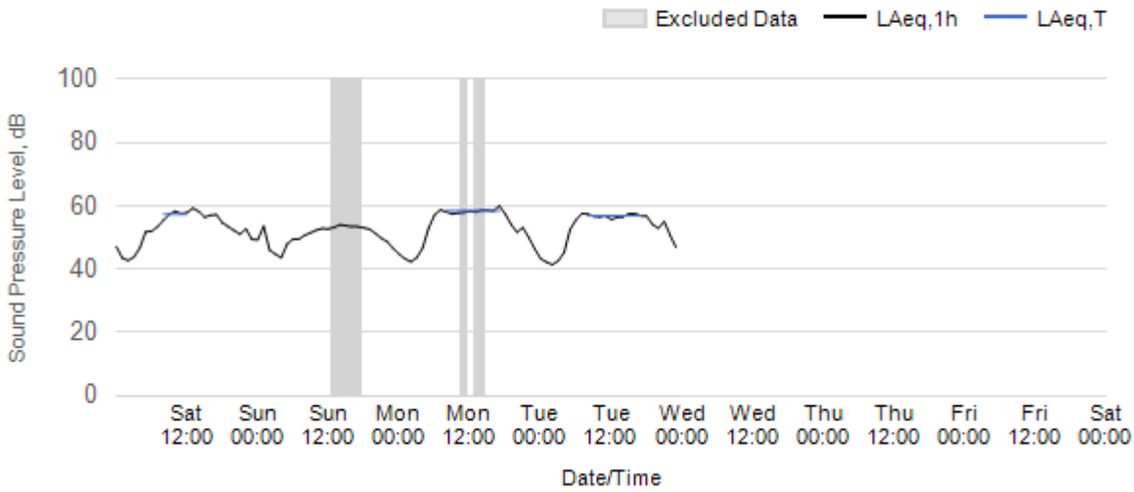

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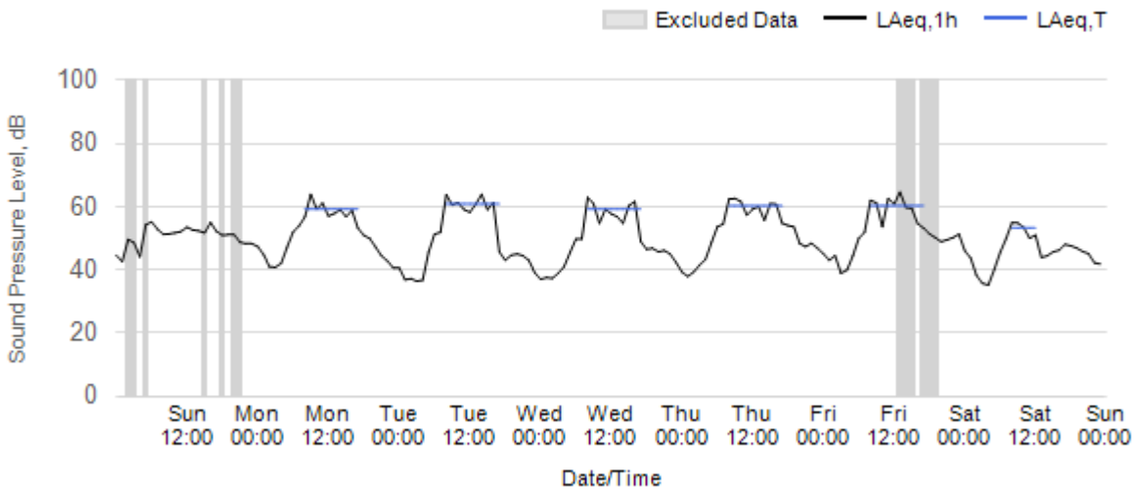

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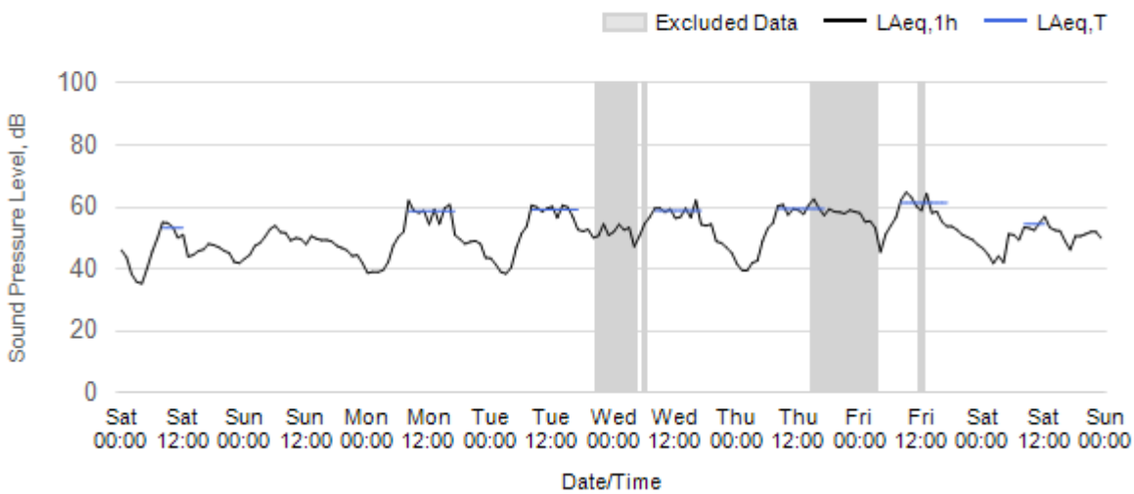

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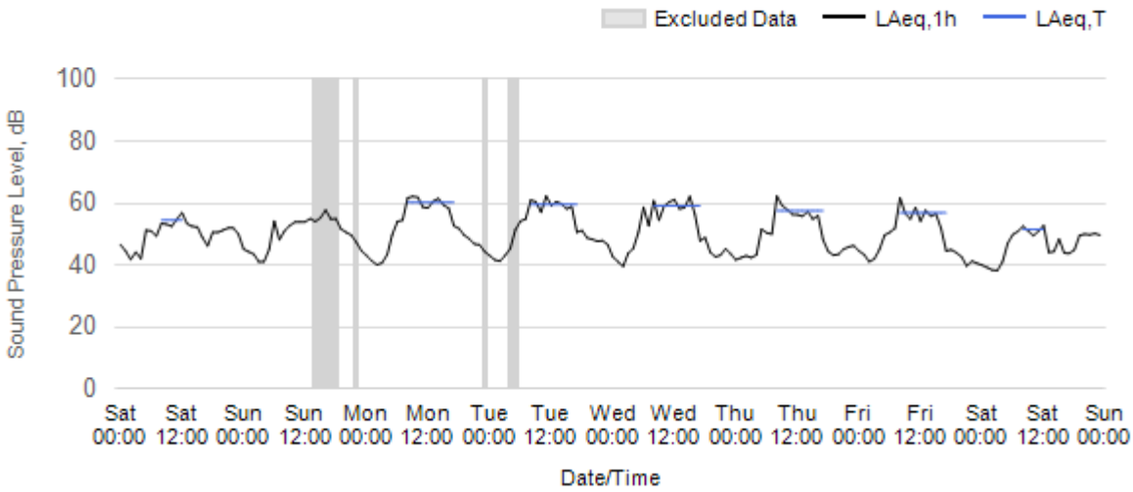

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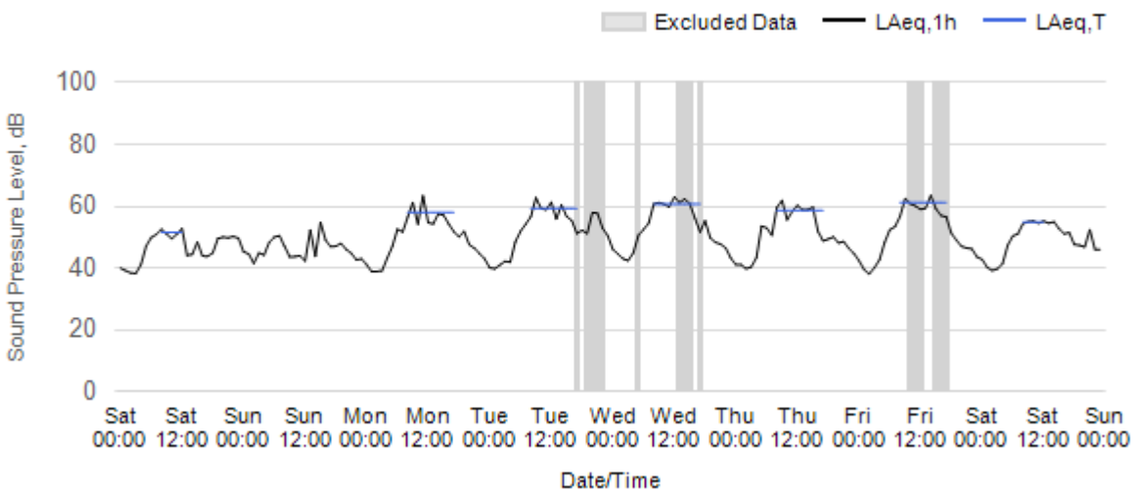

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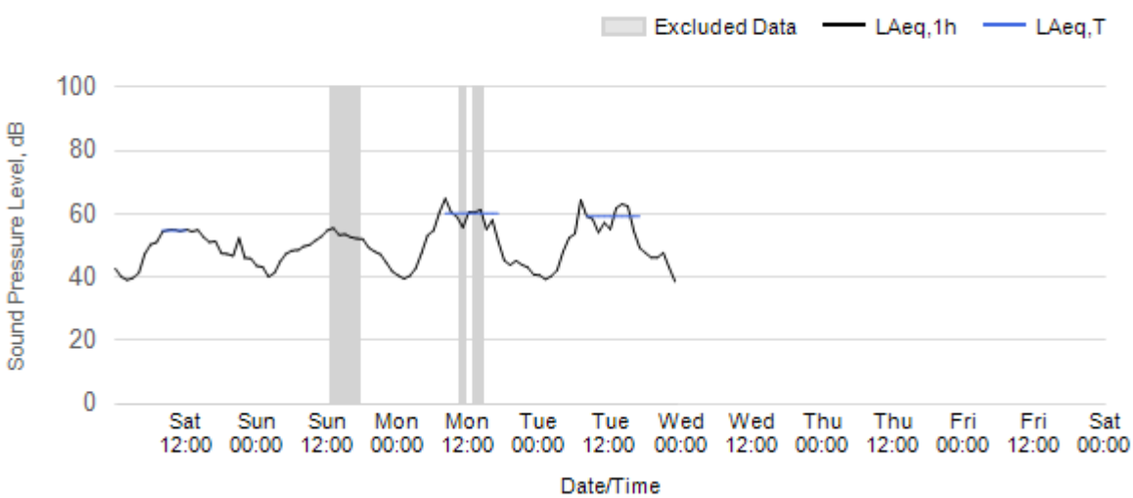

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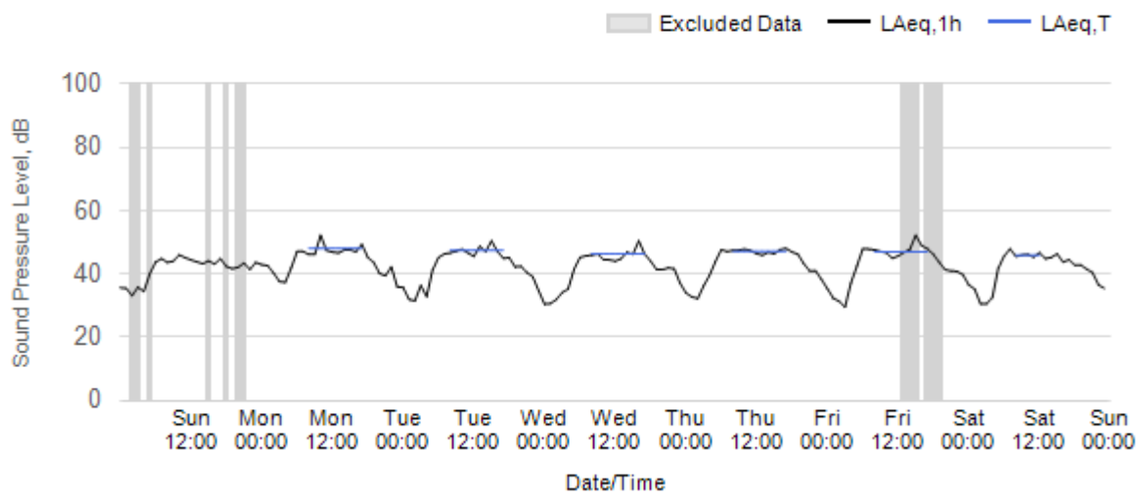

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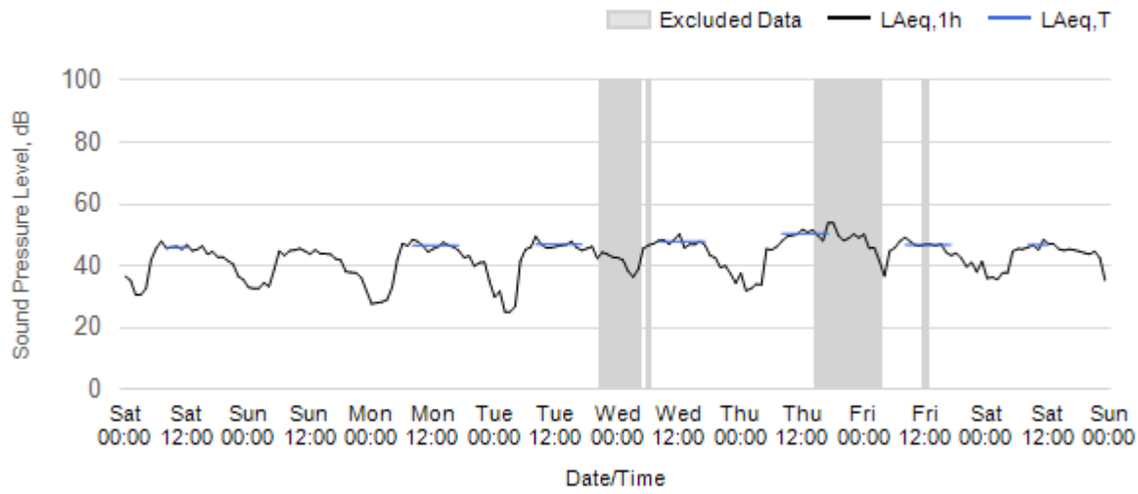

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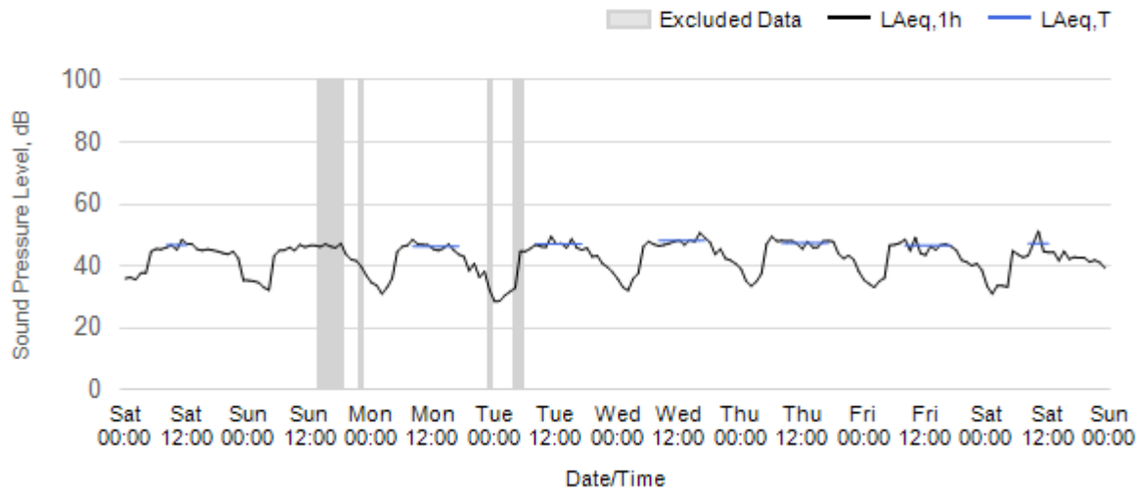

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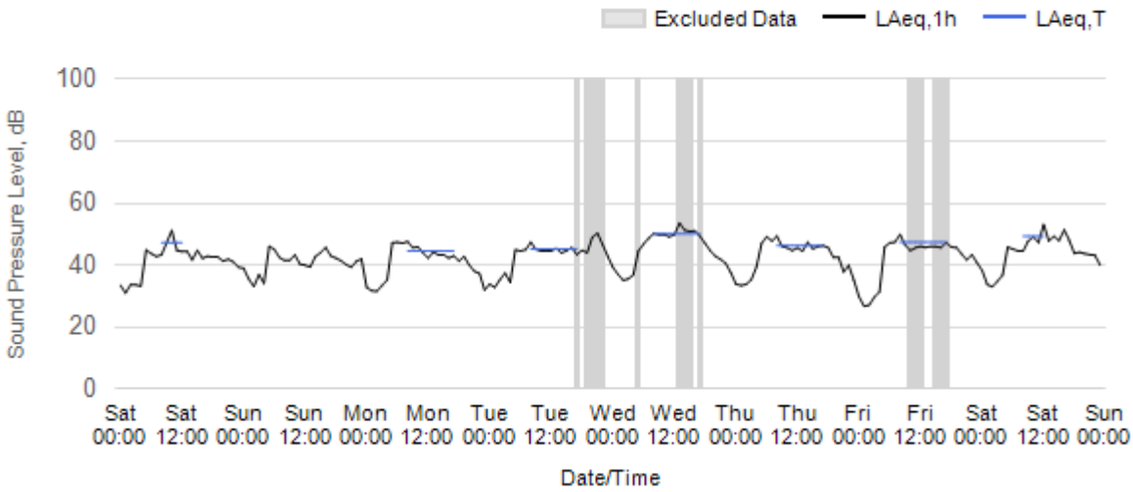

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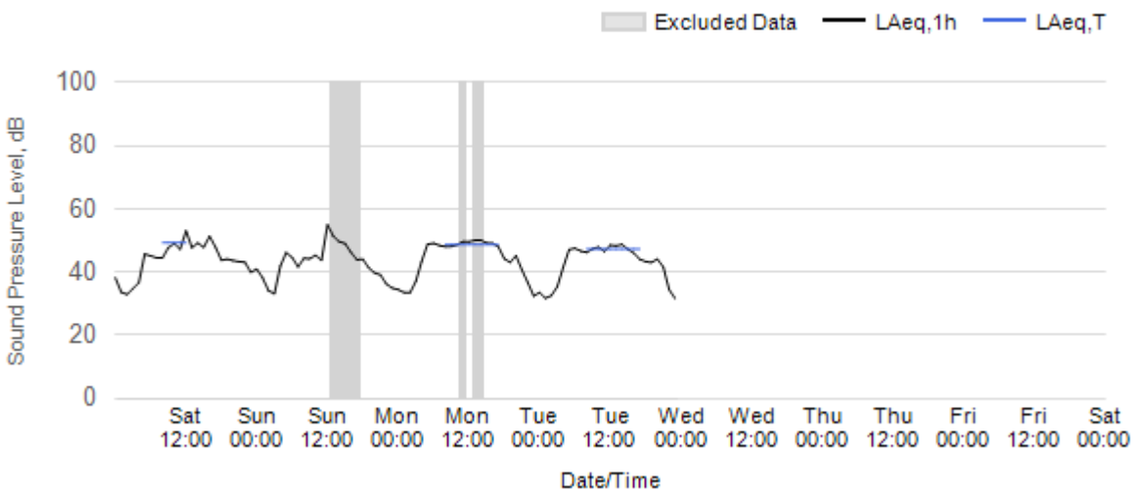

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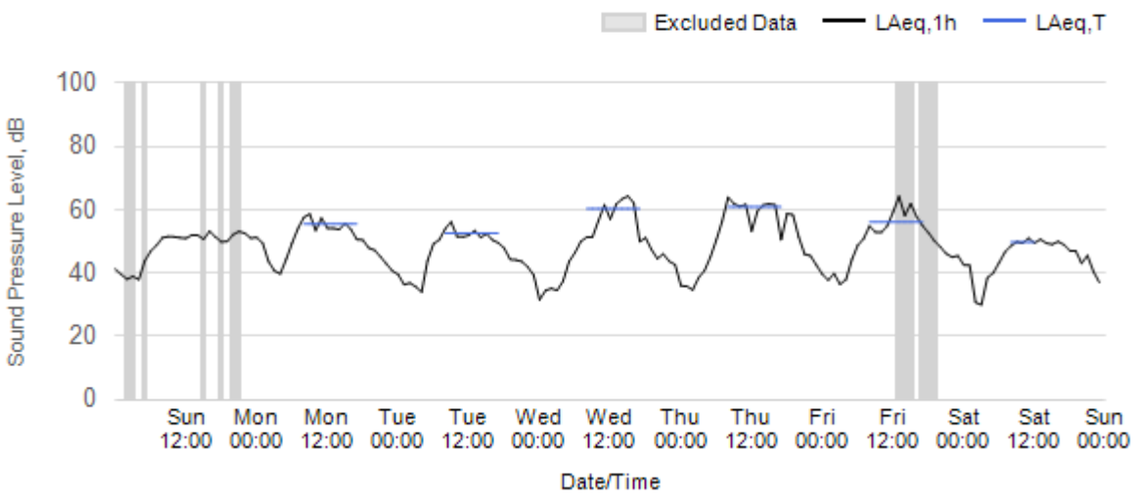

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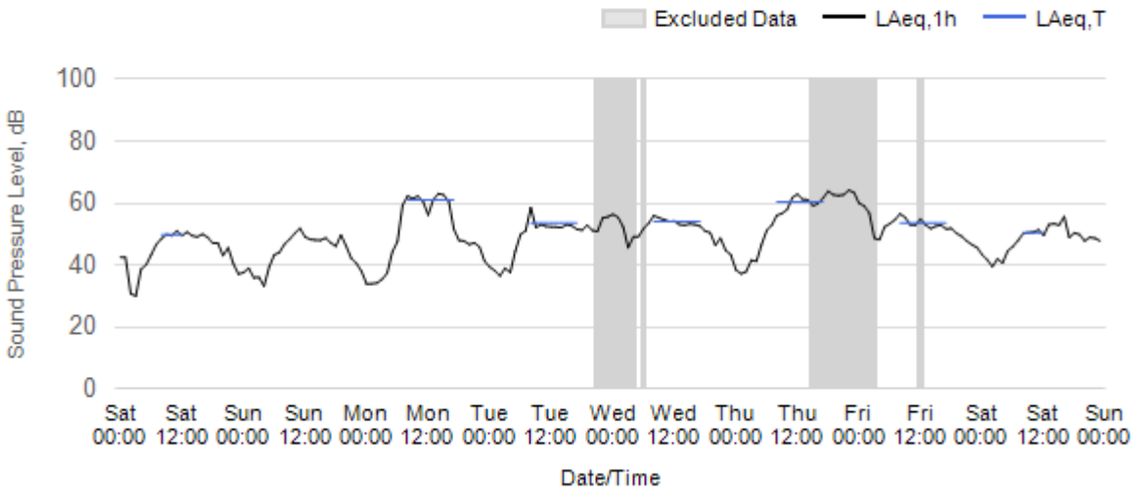

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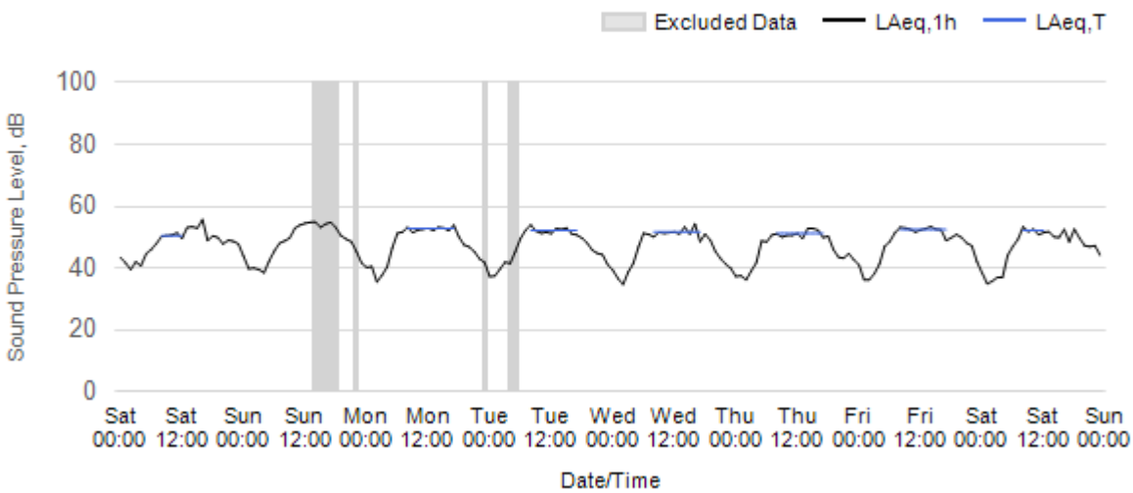

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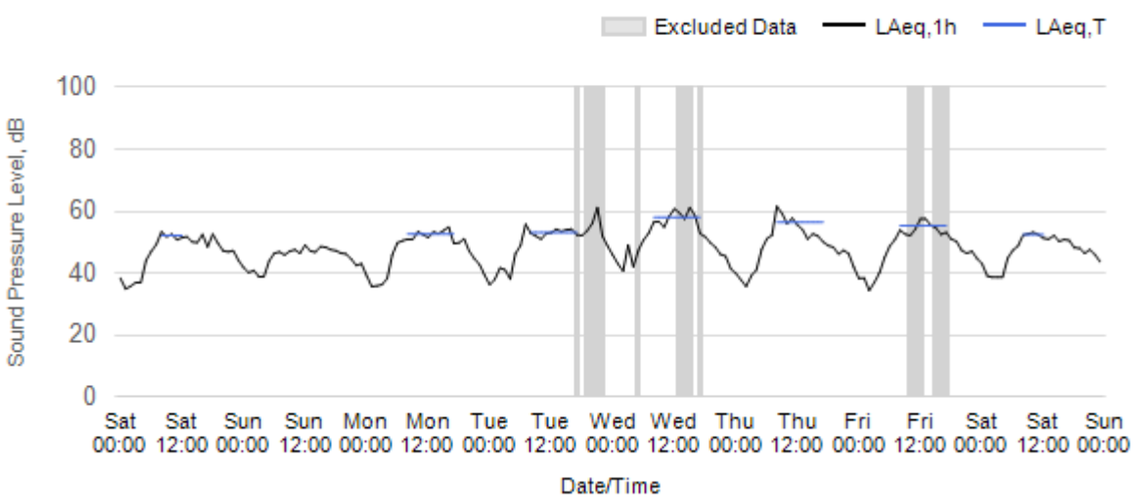

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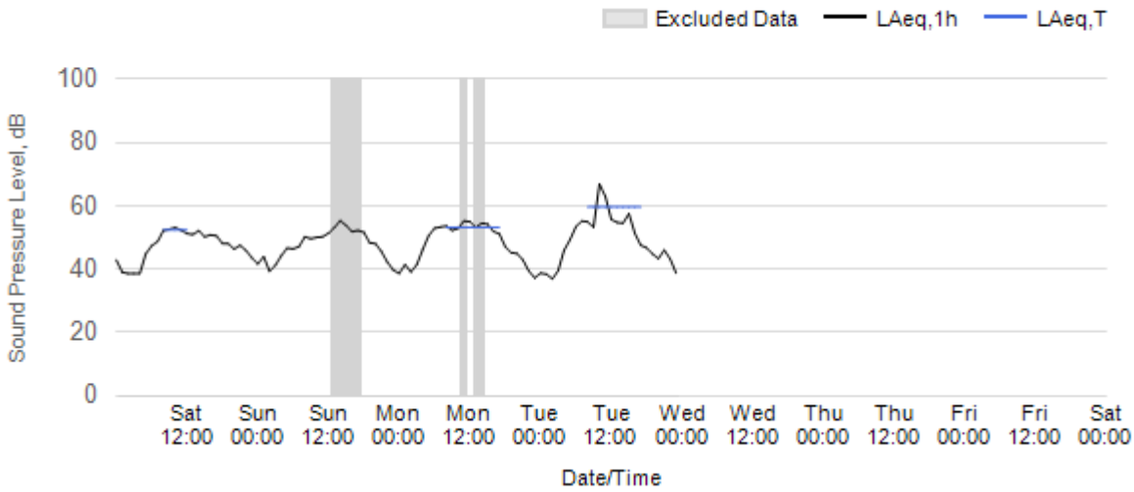

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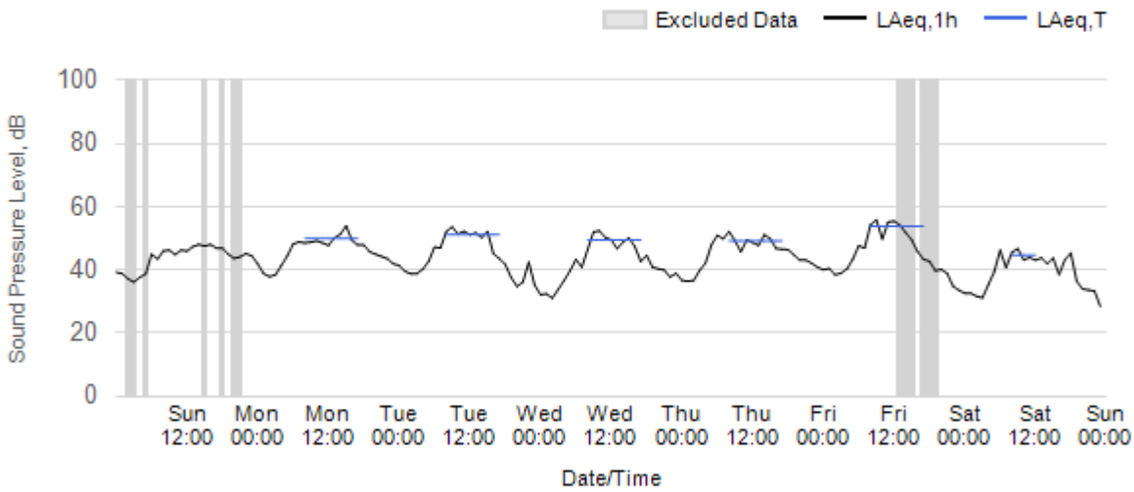

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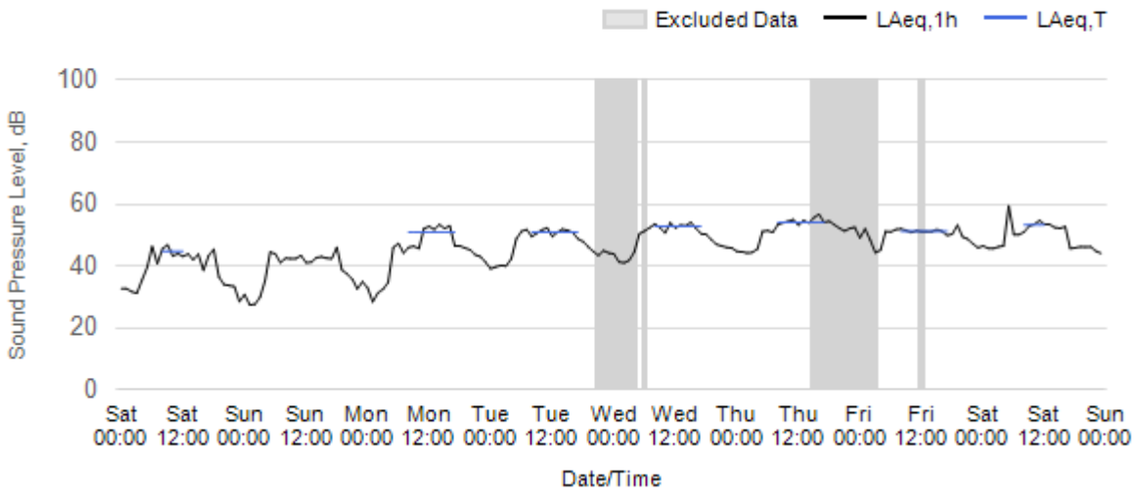

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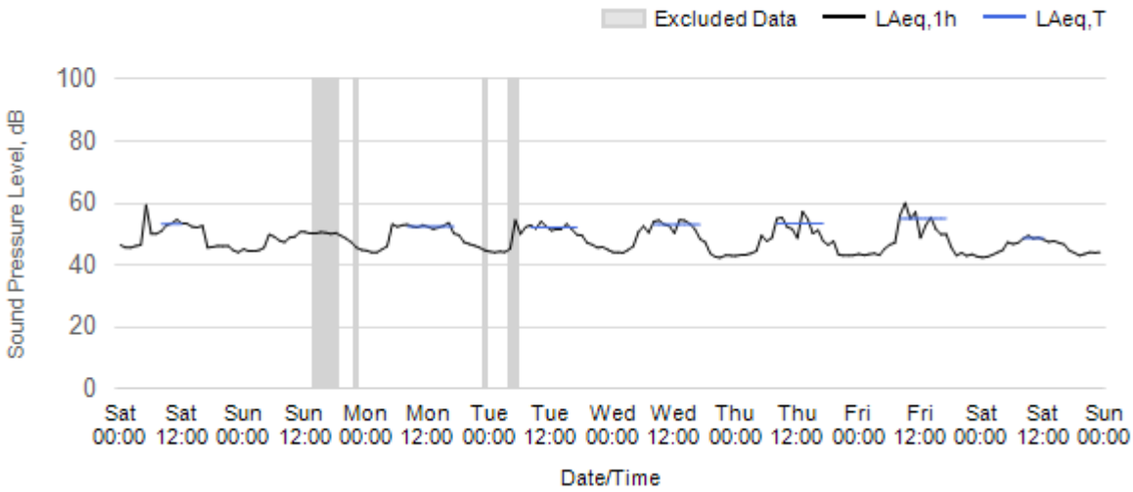

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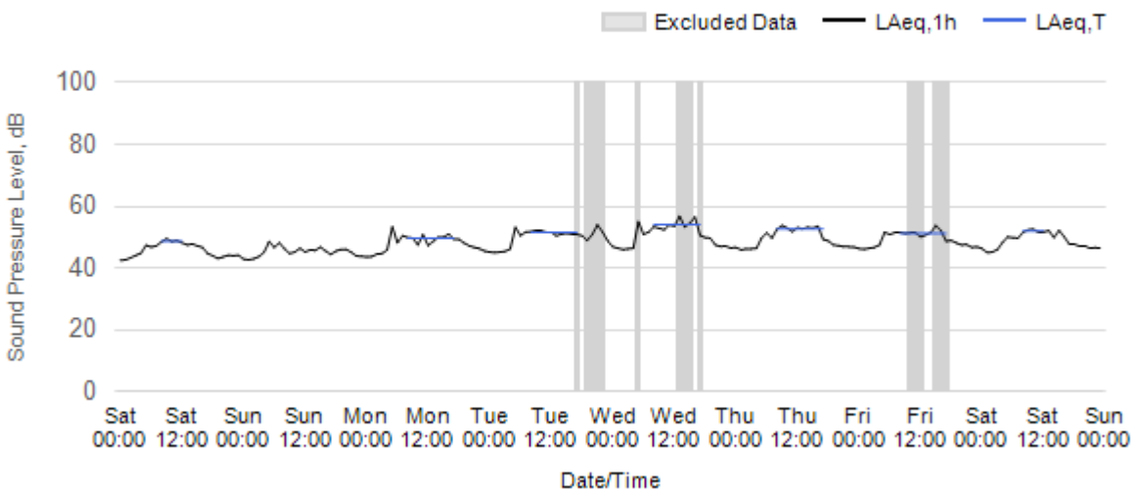

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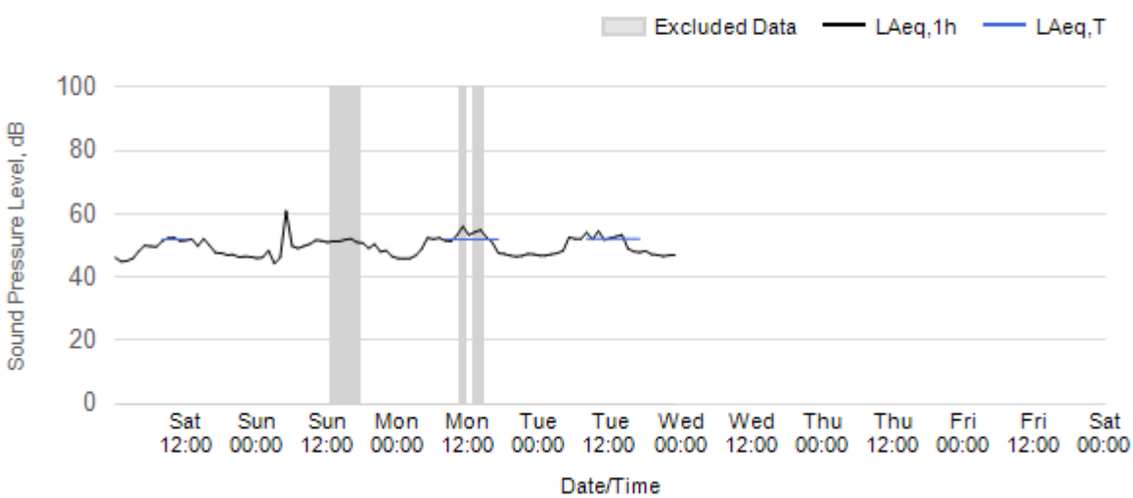

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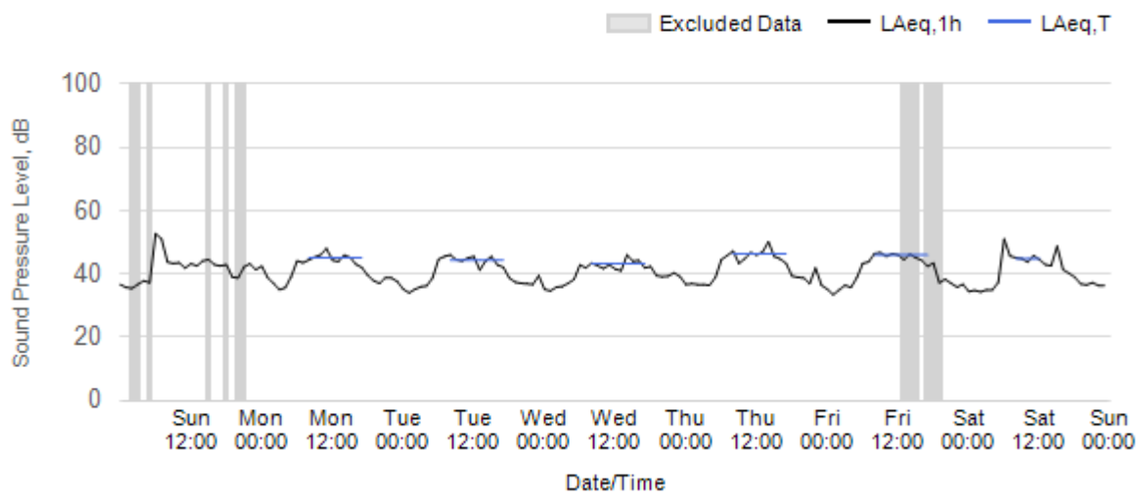

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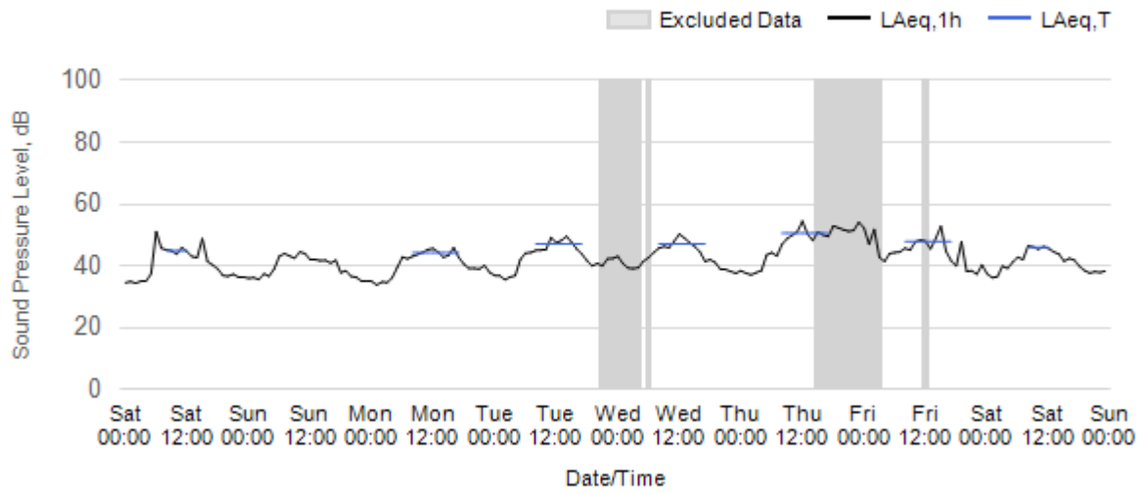

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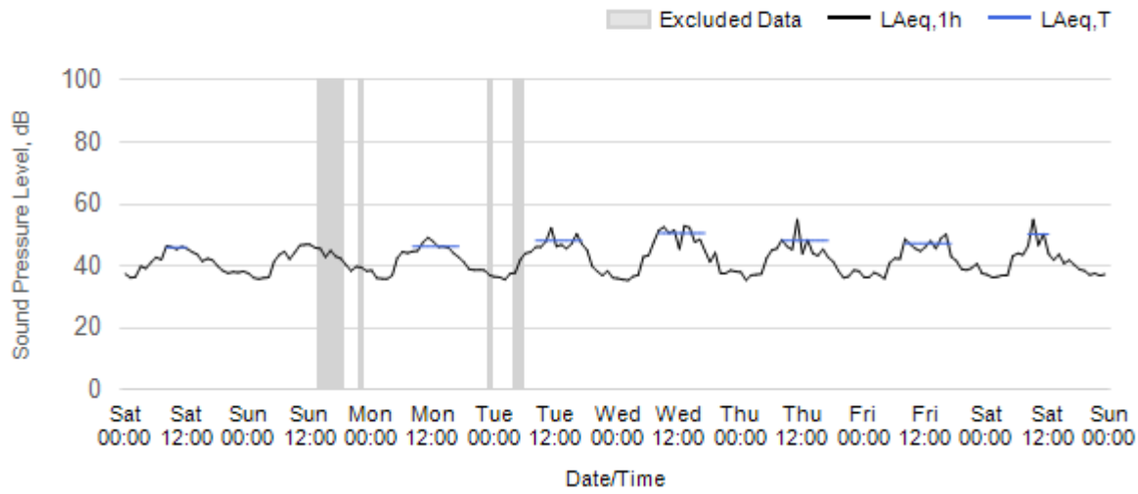

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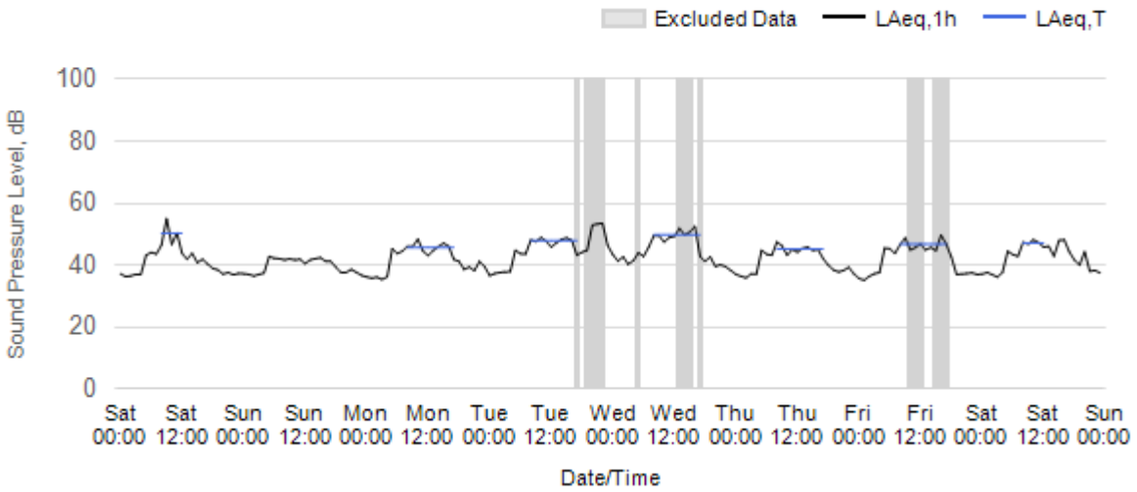

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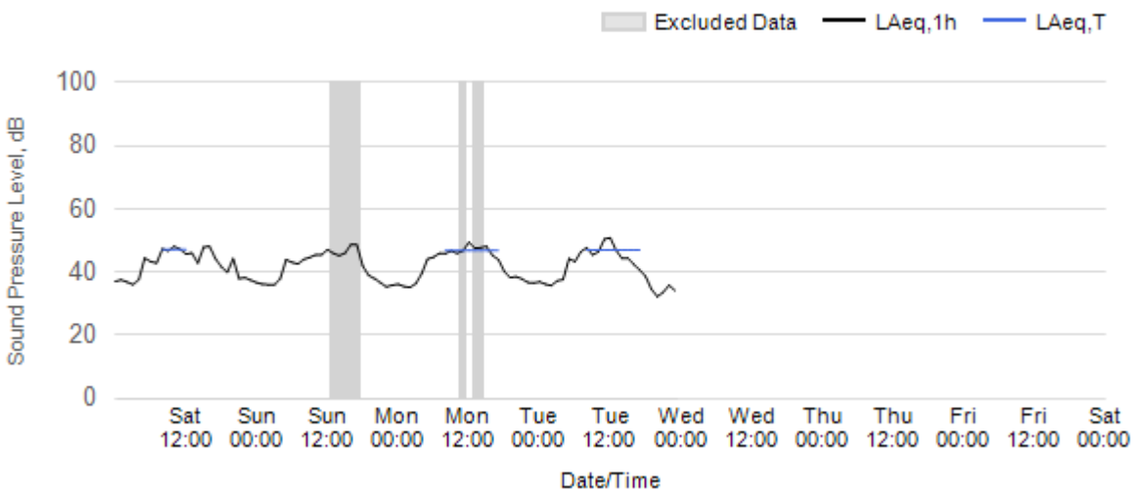

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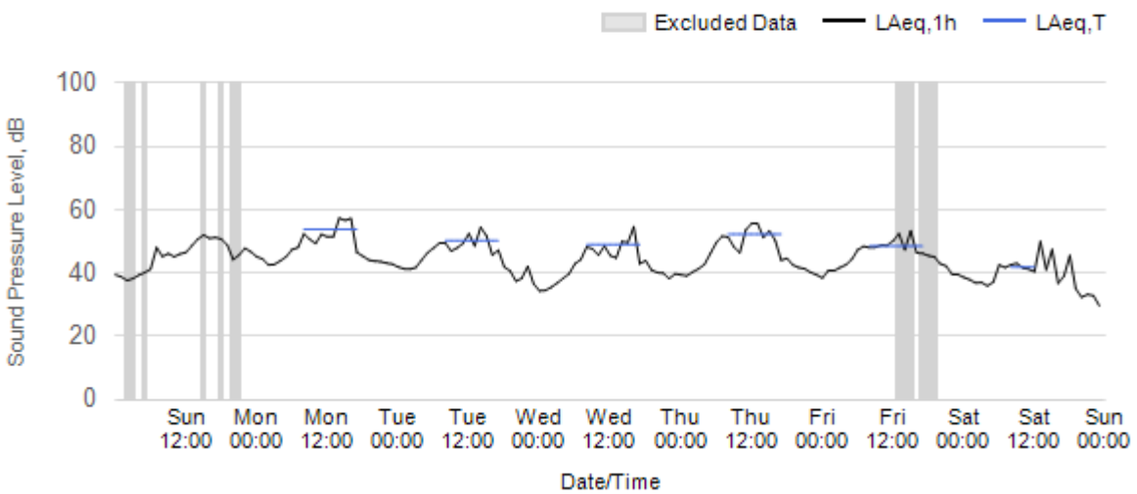

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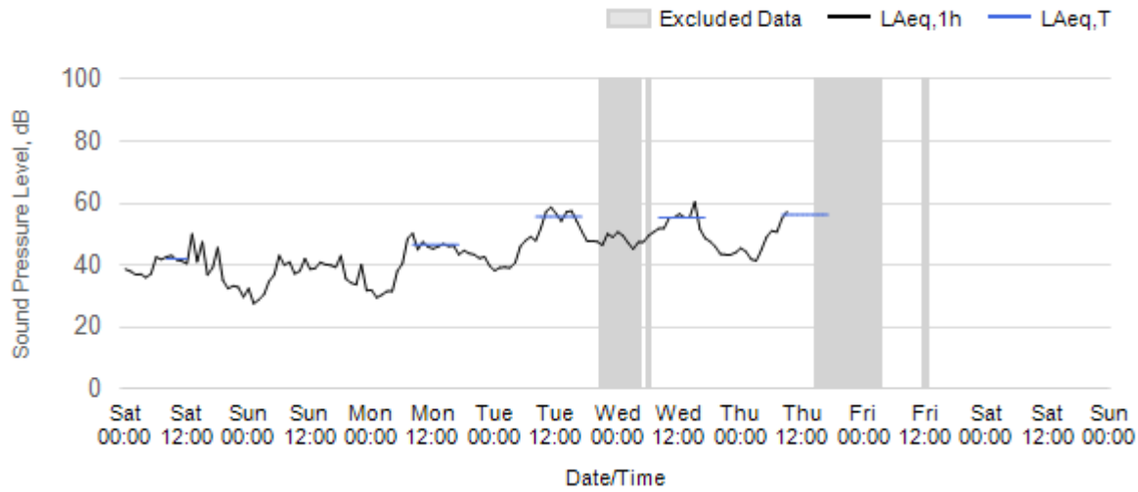
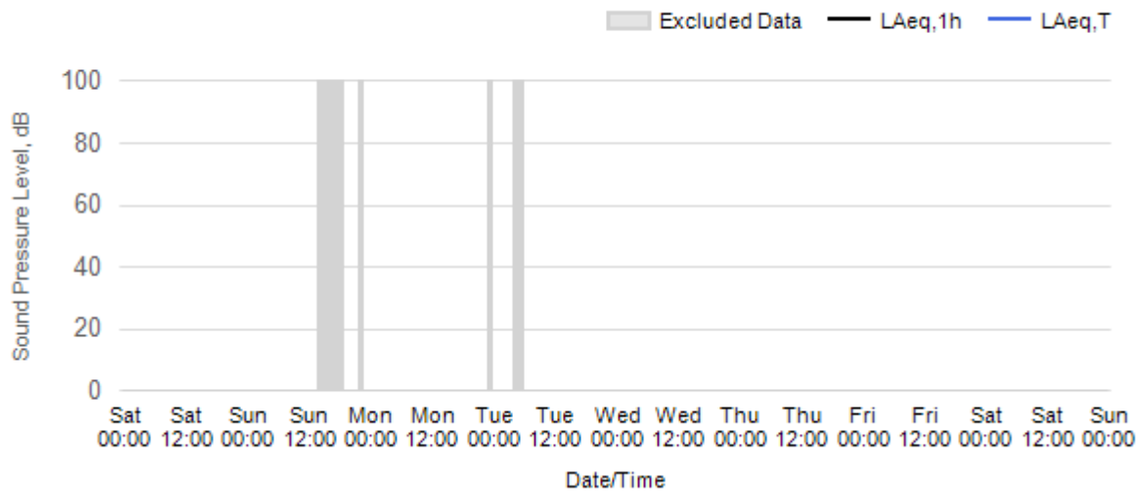


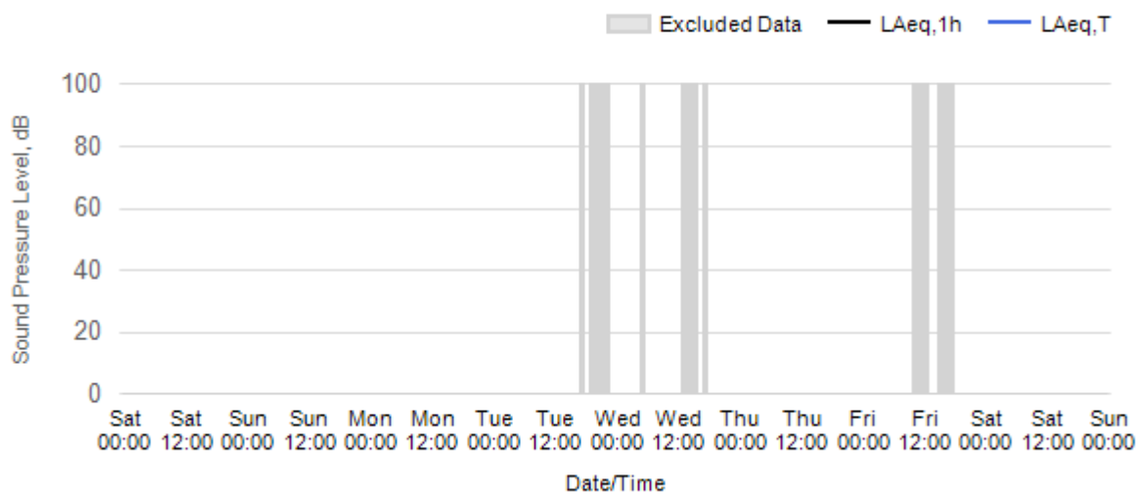
Note: Missing data was due to a loss of power at the monitoring station

Worksite: A422 TN Monitoring Ref: TN-NMP2 15 March 2026 to 21 March 2026



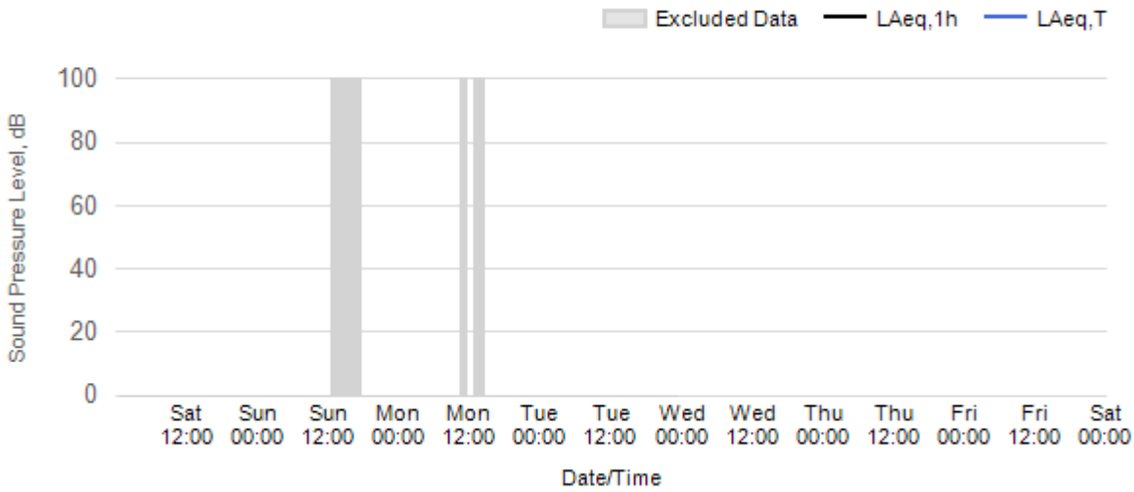
Note: Missing data was due to a loss of power at the monitoring station

Worksite: A422 TN Monitoring Ref: TN-NMP2 22 March 2026 to 28 March 2026



Note: Missing data was due to a loss of power at the monitoring station

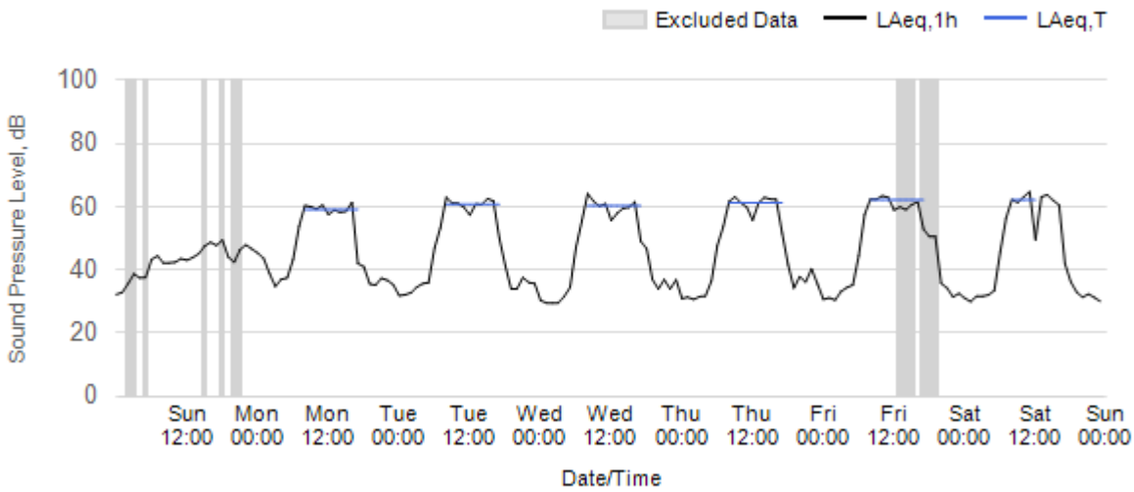
Worksite: A422 TN Monitoring Ref: TN-NMP2 29 March 2026 to 4 April 2026



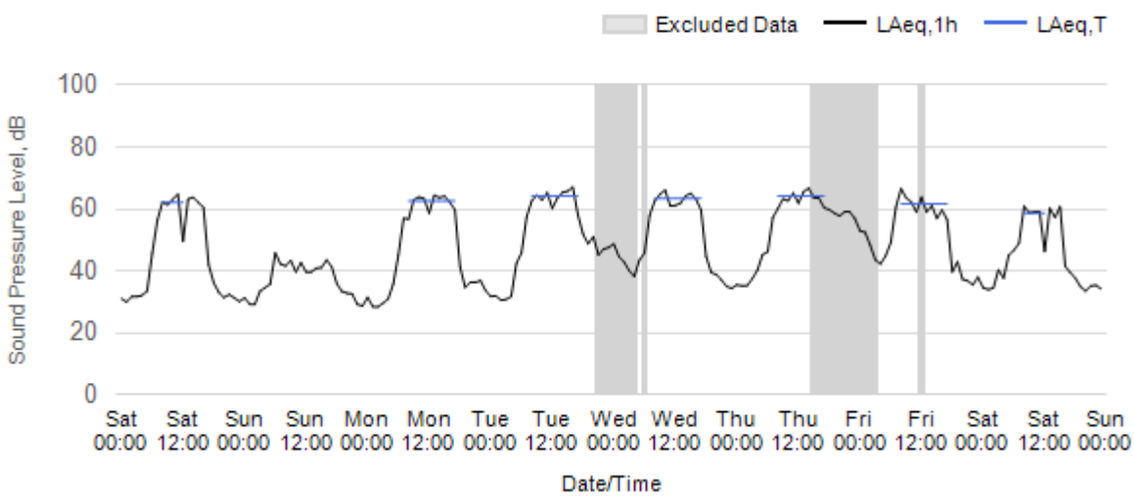
Note: Missing data was due to a loss of power at the monitoring station

Worksite: HC - Monitoring Ref: HC-NMP1

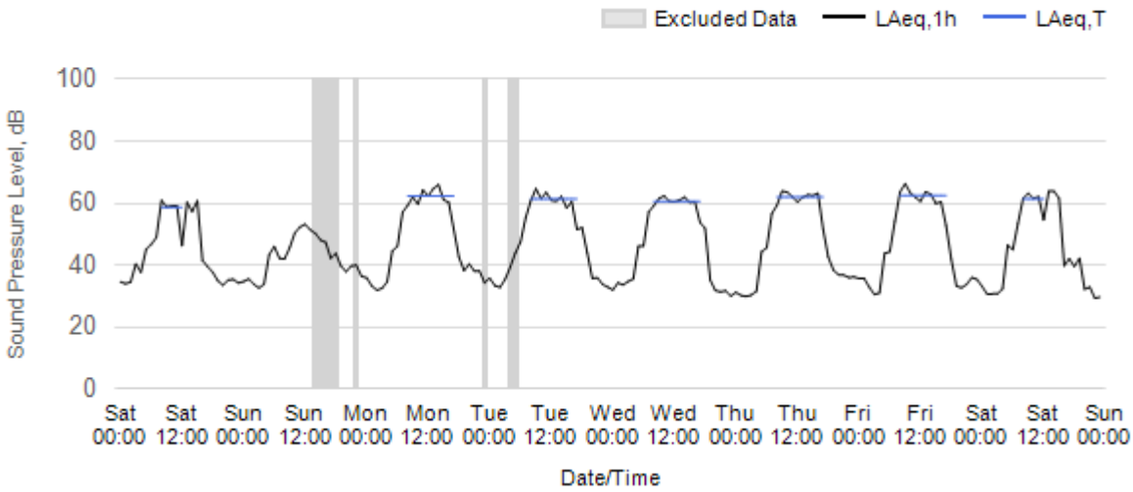
Worksite: HC Monitoring Ref: HC-NMP1 01 March 2026 to 07 March 2026



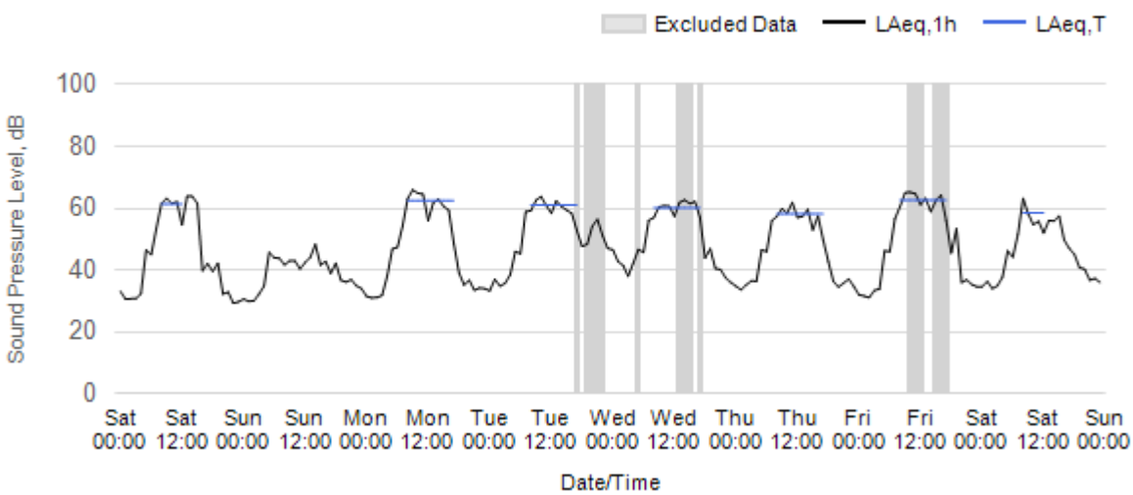
Worksite: HC Monitoring Ref: HC-NMP1 08 March 2026 to 14 March 2026



Worksite: HC Monitoring Ref: HC-NMP1 15 March 2026 to 21 March 2026



Worksite: HC Monitoring Ref: HC-NMP1 22 March 2026 to 28 March 2026



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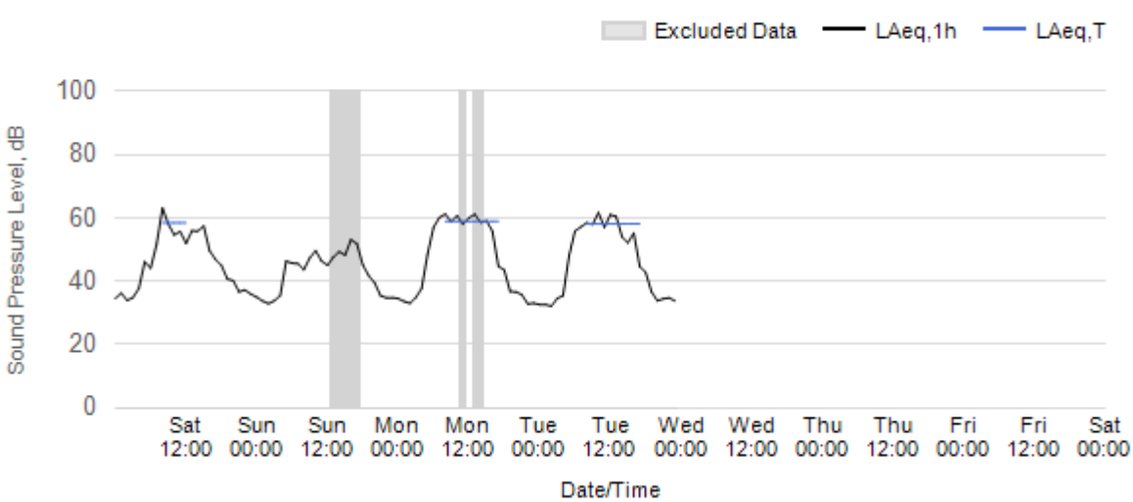
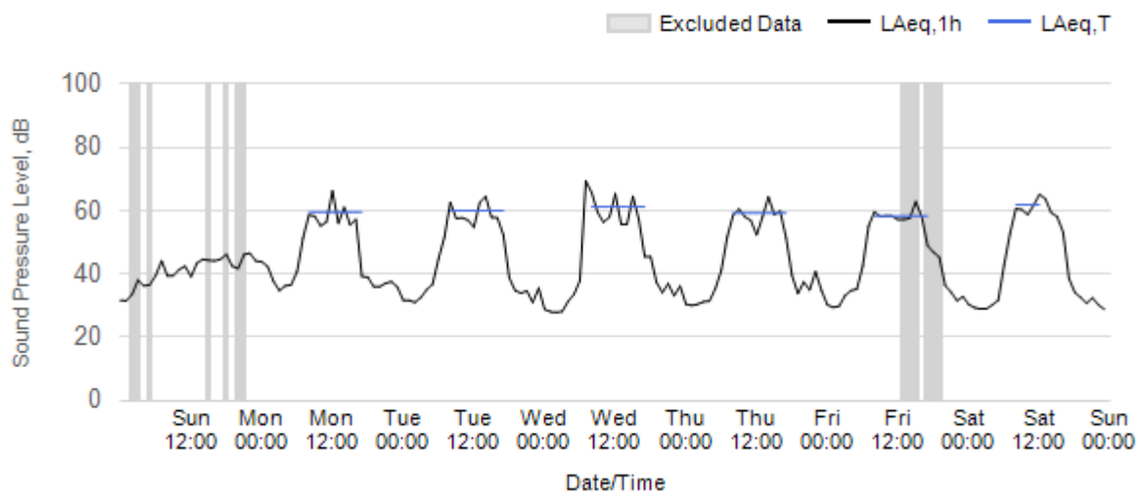


Worksite: SE - Monitoring Ref: SE-NMP1

Worksite: SE Monitoring Ref: SE-NMP1 01 March 2026 to 07 March 2026



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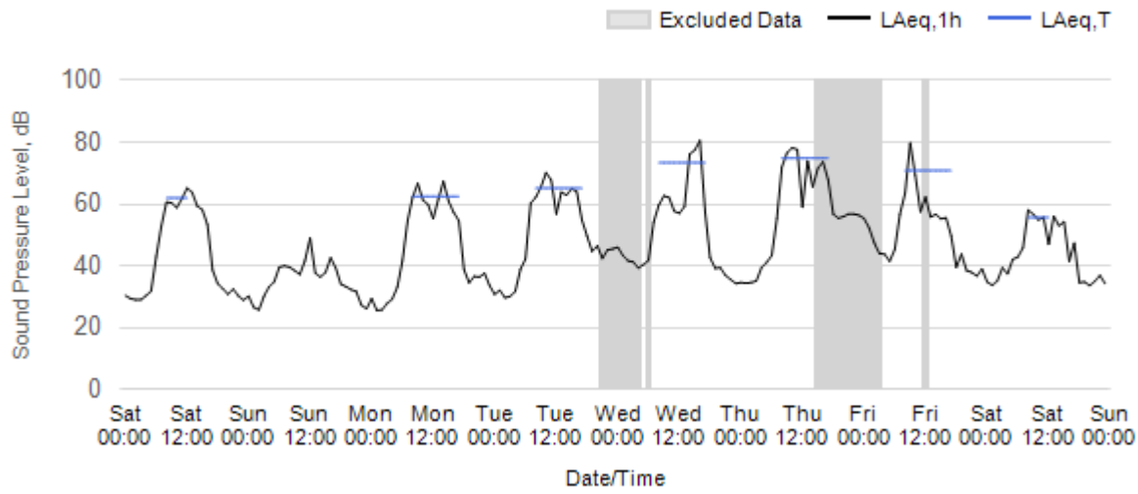

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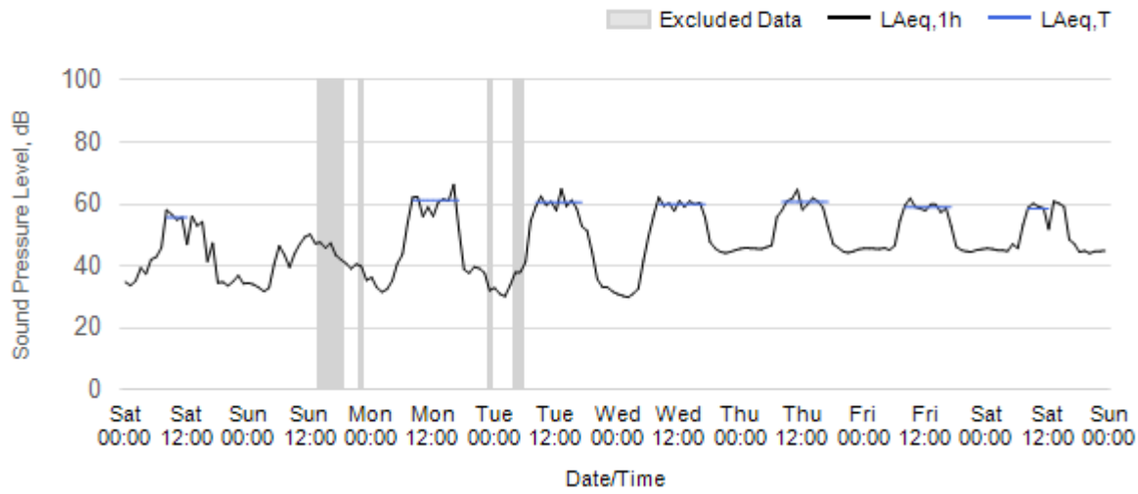

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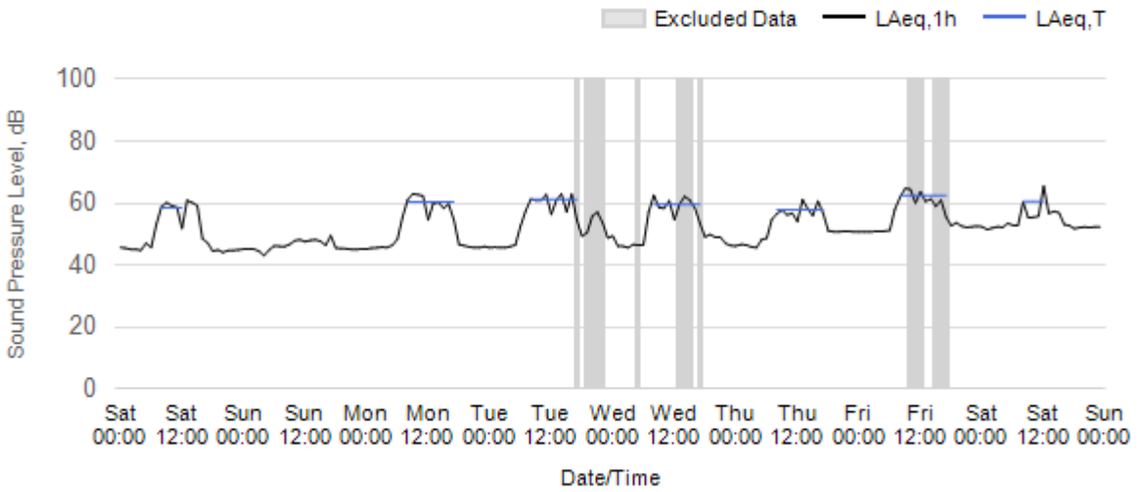

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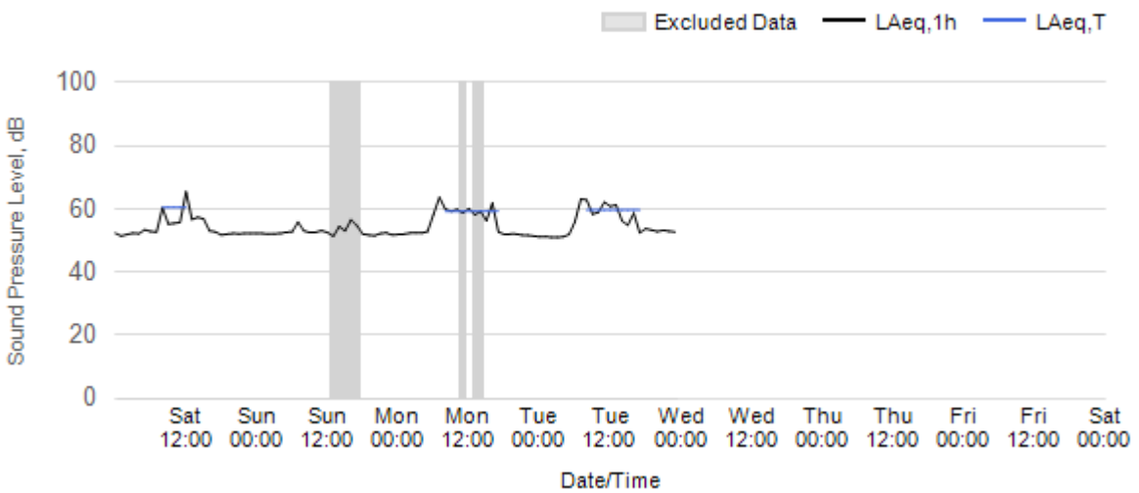
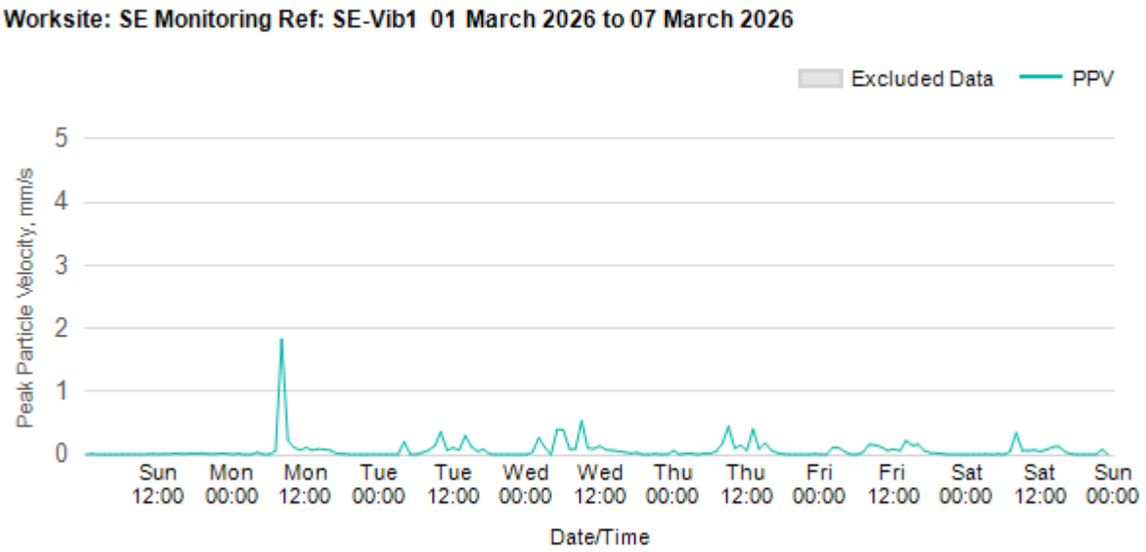
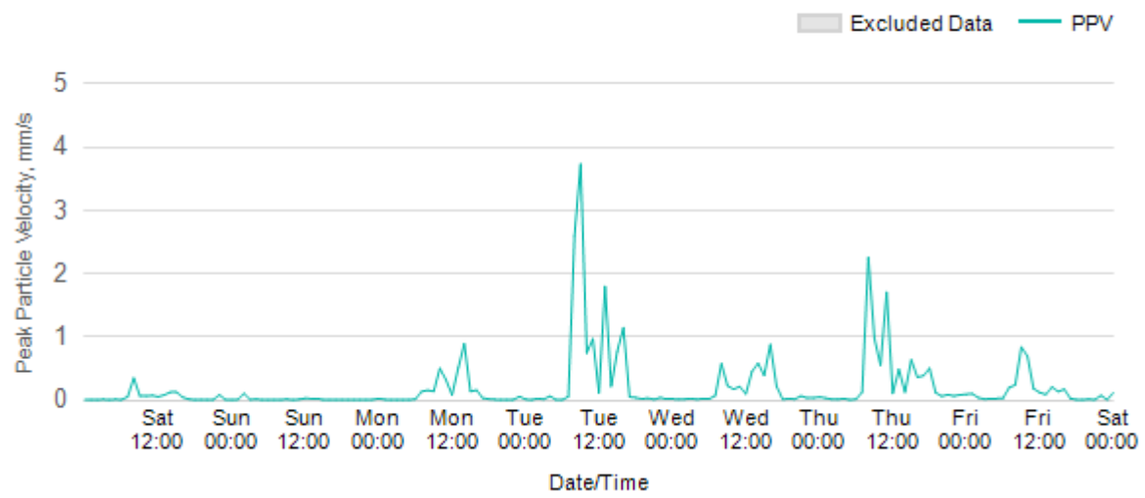


Vibration

The following graphs show the hourly measured peak particle velocity PPV recorded during the monitoring period. The graphs show the resultant PPV due to vibration components on three orthogonal axis x, y and z. Where high values of PPV were caused by local interference with the vibration monitor, which are not representative of HS2 construction works, these values have been greyed out in the following charts and have been excluded to calculate values in Table 4 of the main report.

Worksite: SE - Monitoring Ref: SE-Vib1





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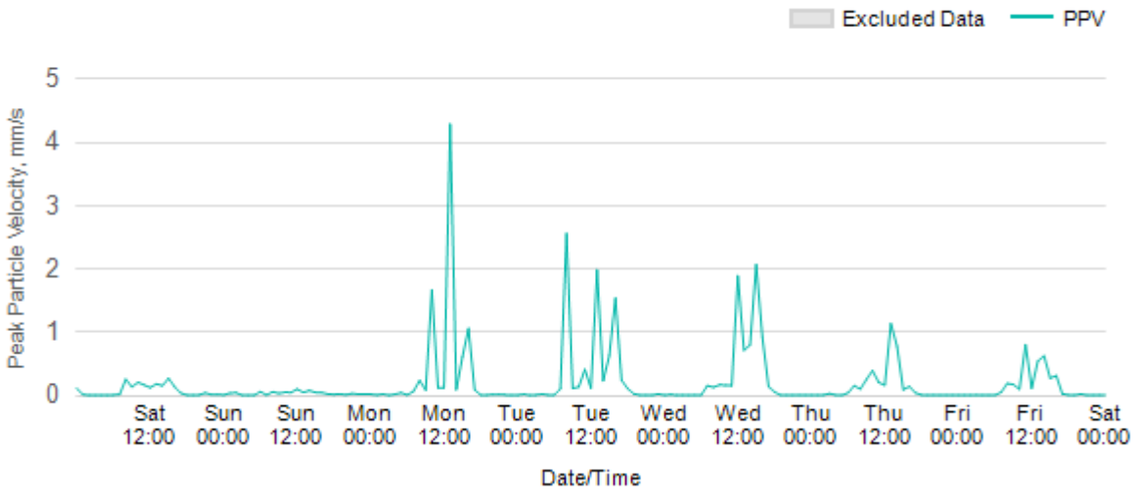

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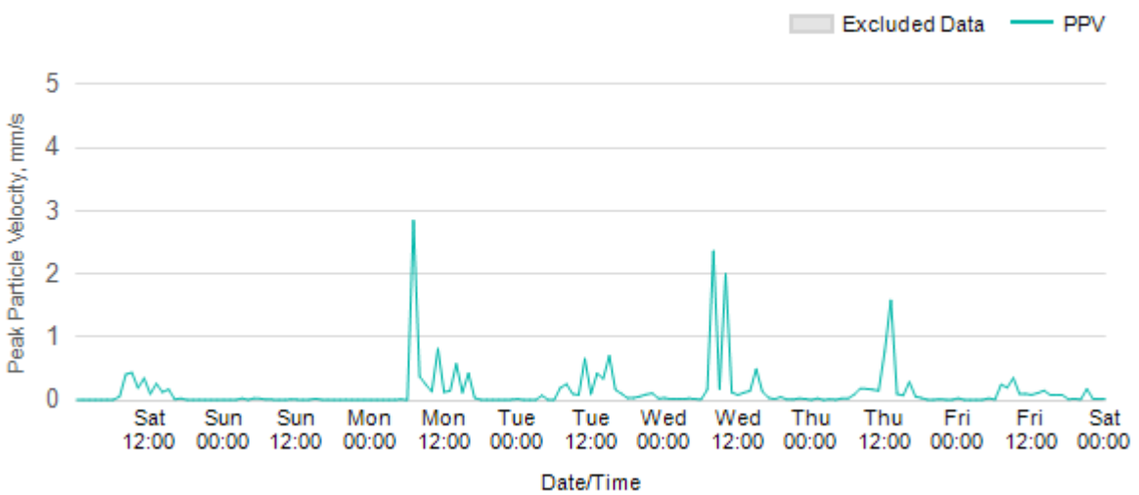

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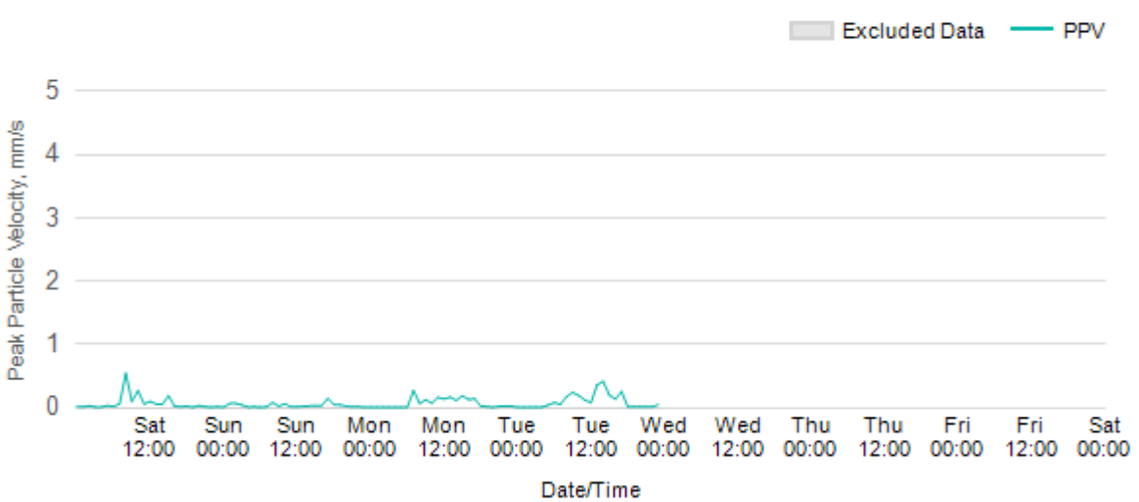
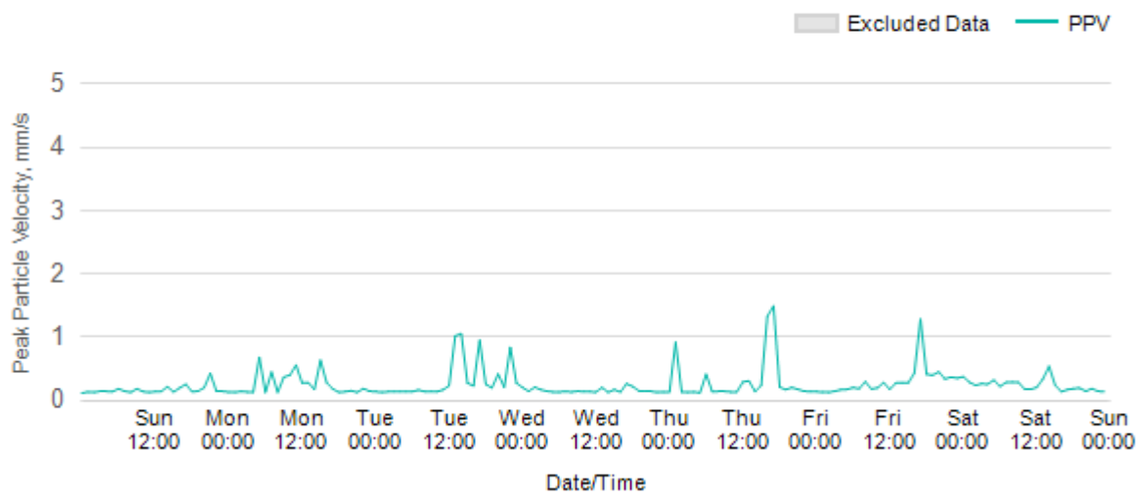
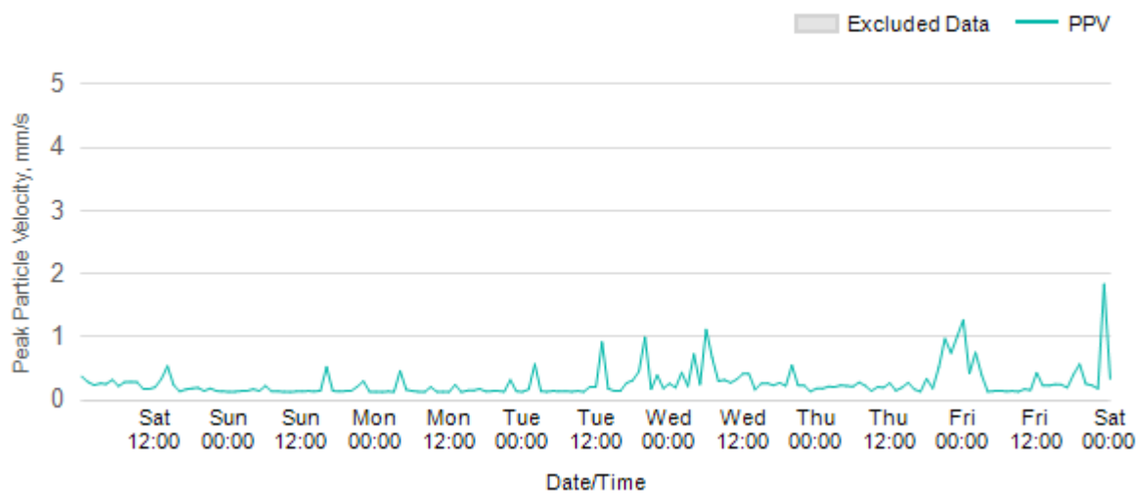


Worksite: ER - Monitoring Ref: ER-Vib1

Worksite: ER Monitoring Ref: ER-Vib1 01 March 2026 to 07 March 2026



Worksite: ER Monitoring Ref: ER-Vib1 08 March 2026 to 14 March 2026



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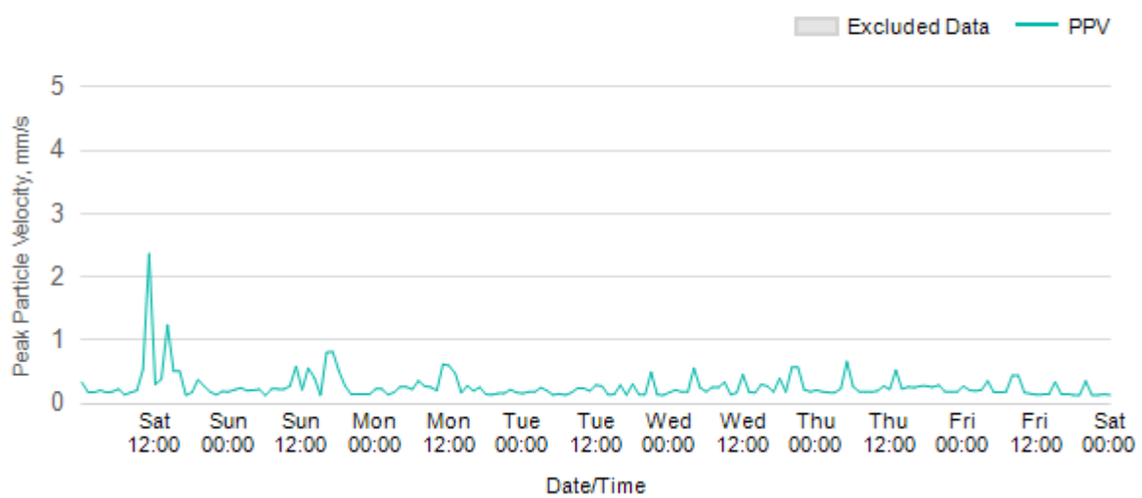

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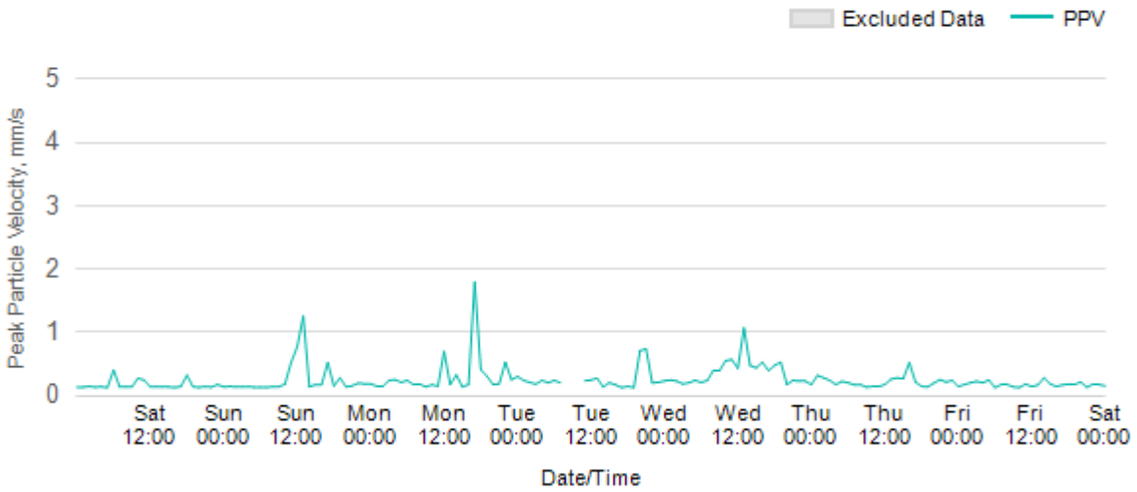

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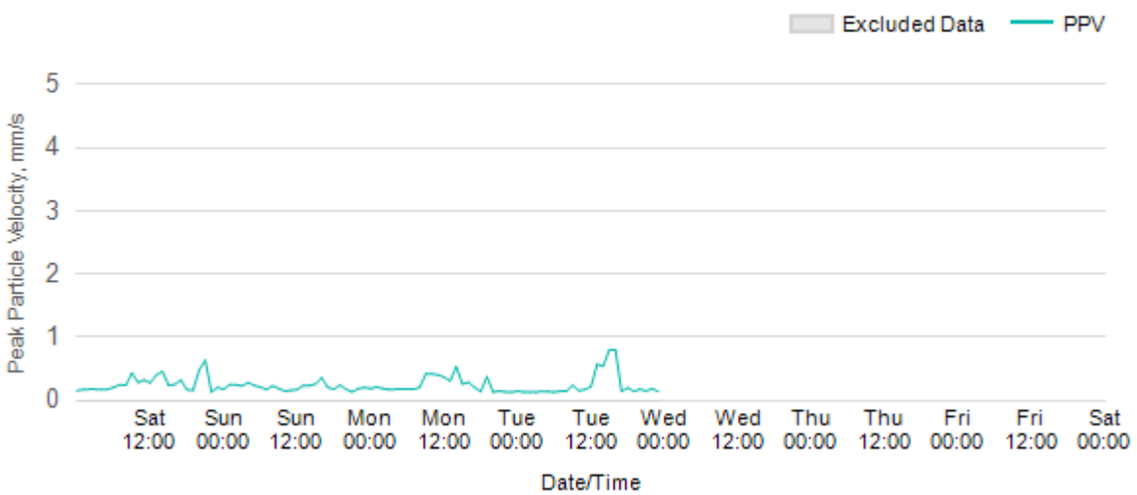

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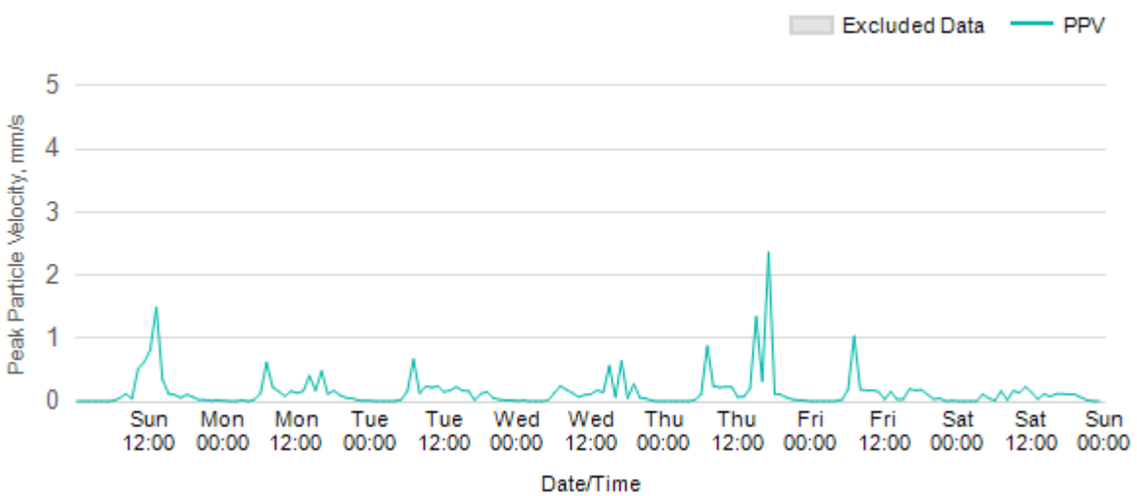
Worksite: PF Monitoring Ref: PF-Vib1 01 March 2026 to 07 March 2026



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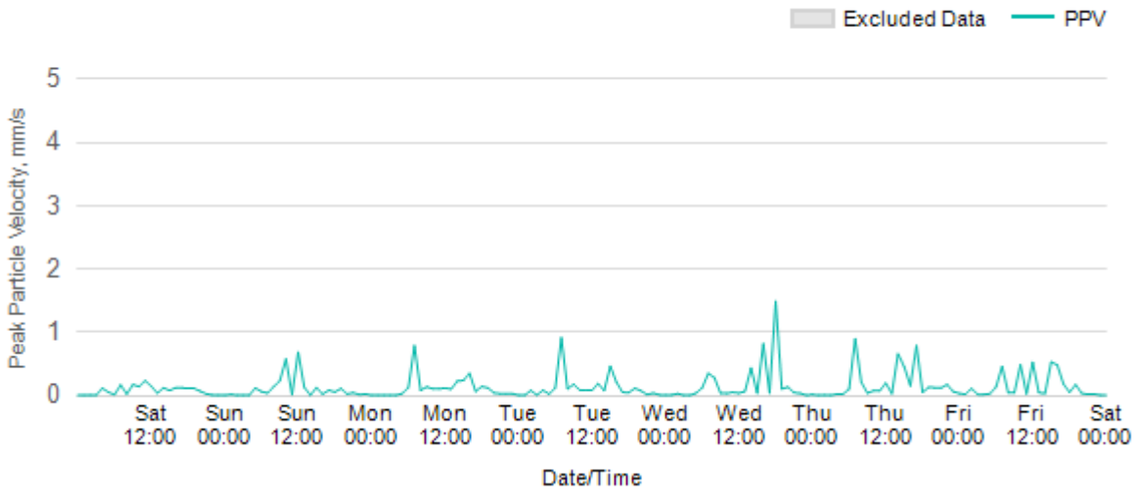

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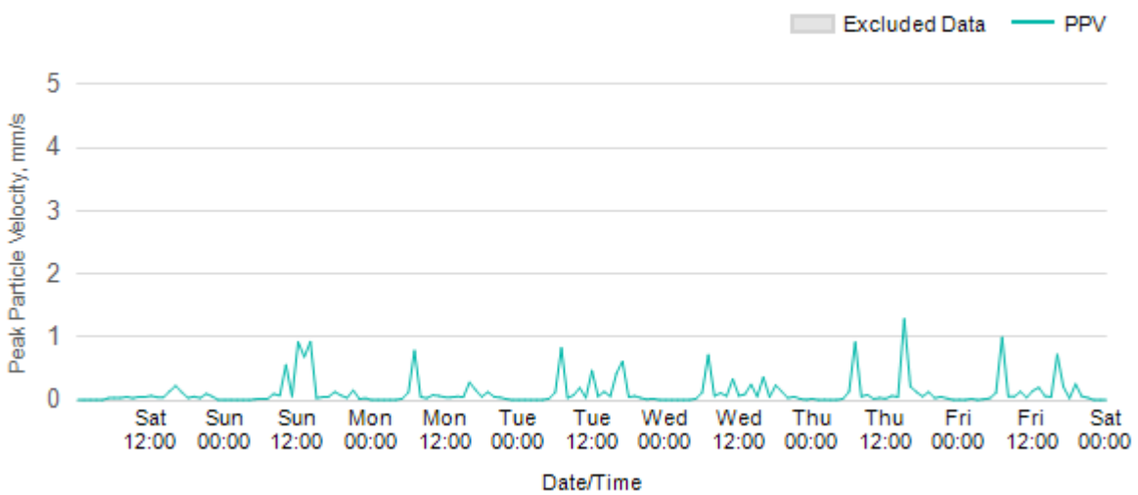

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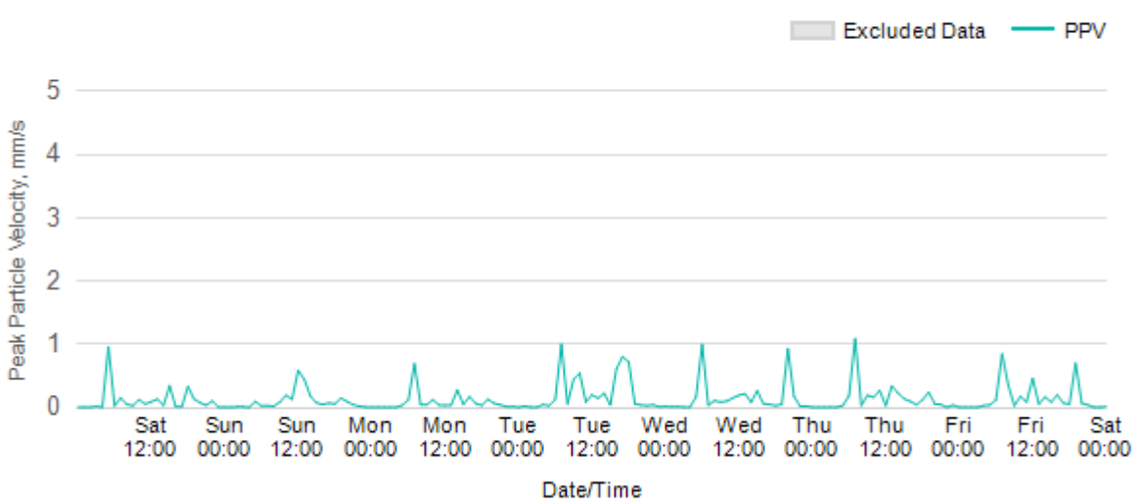

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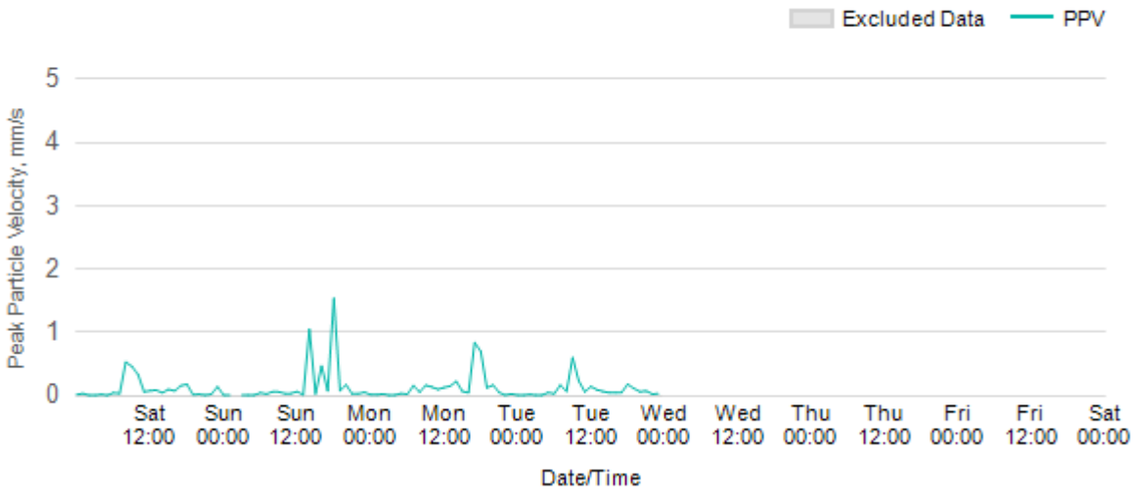
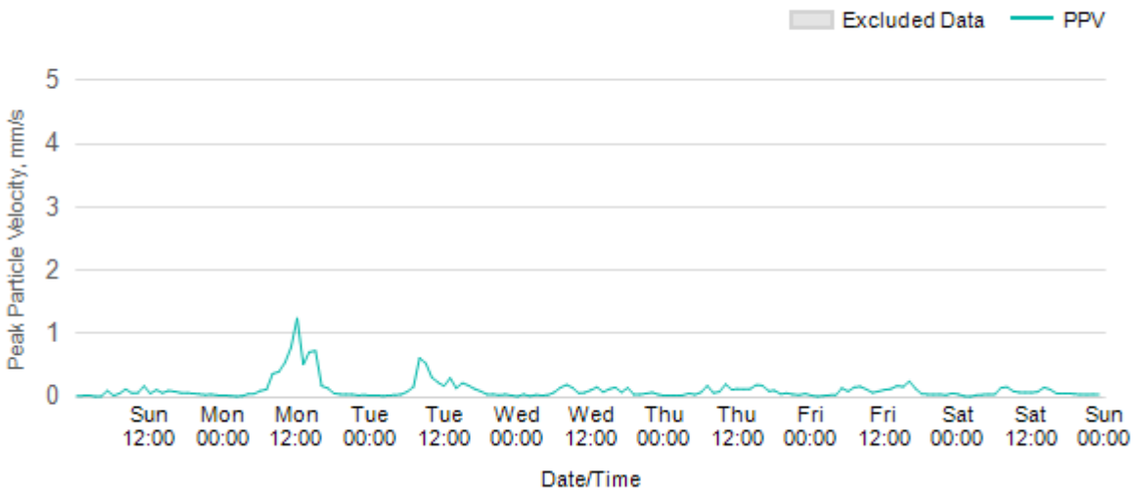


Worksite: BRA - Monitoring Ref: BRA-Vib1

Worksite: BRA Monitoring Ref: BRA-Vib1 01 March 2026 to 07 March 2026



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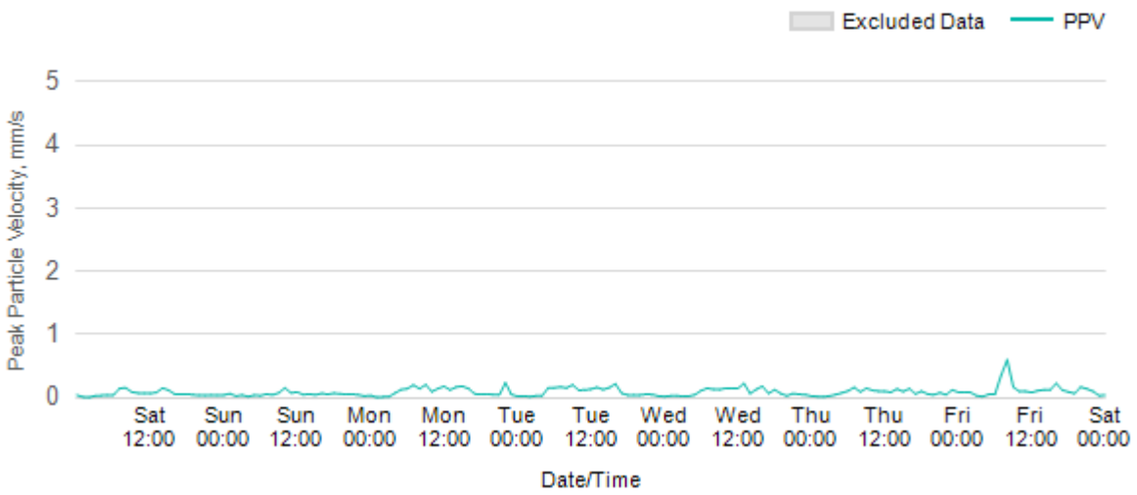

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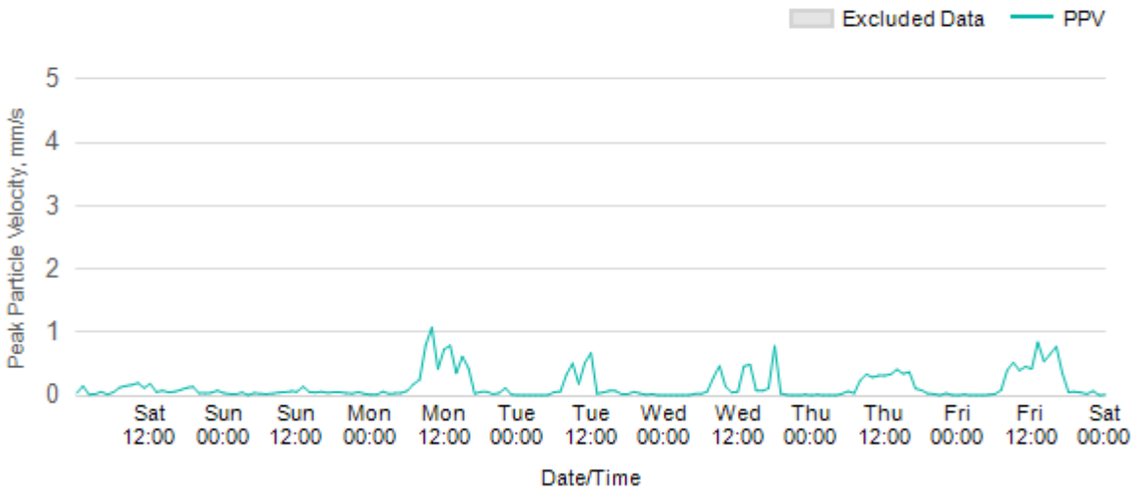

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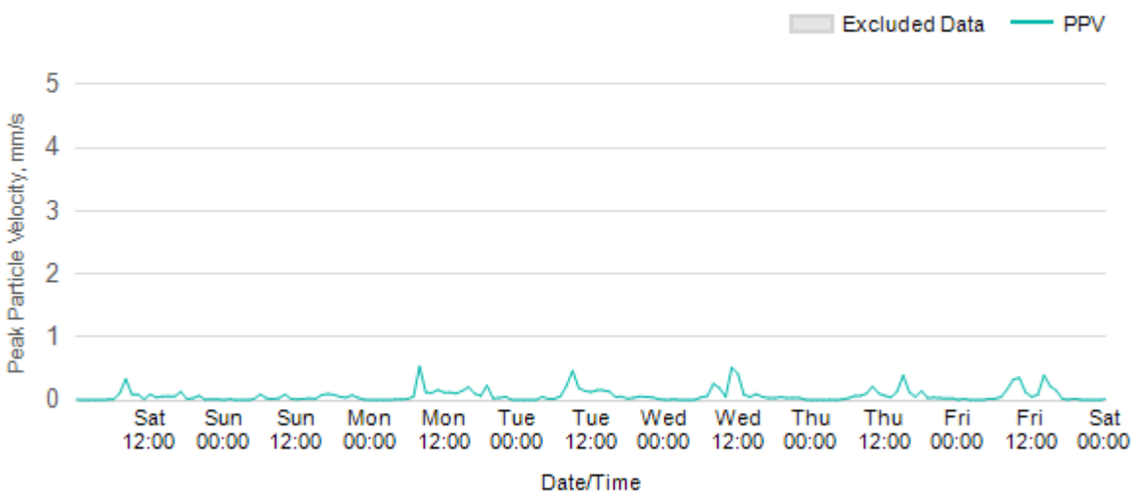

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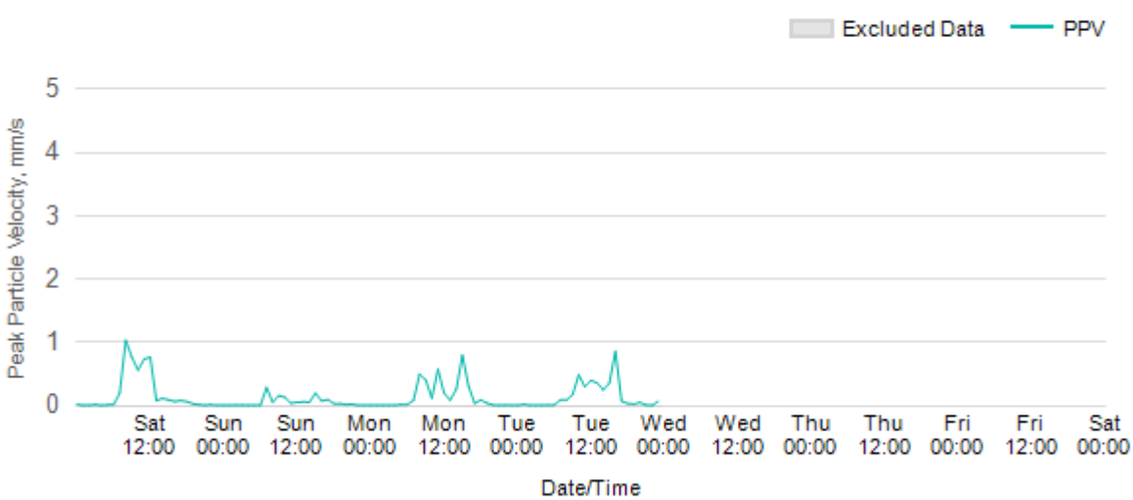

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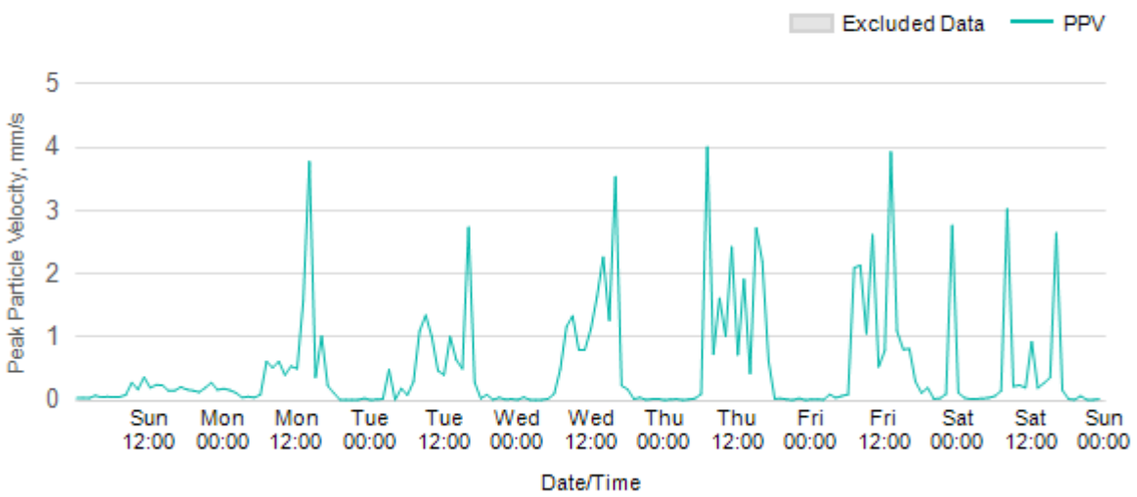
Worksite: WC Monitoring Ref: WC-Vib1 01 March 2026 to 07 March 2026



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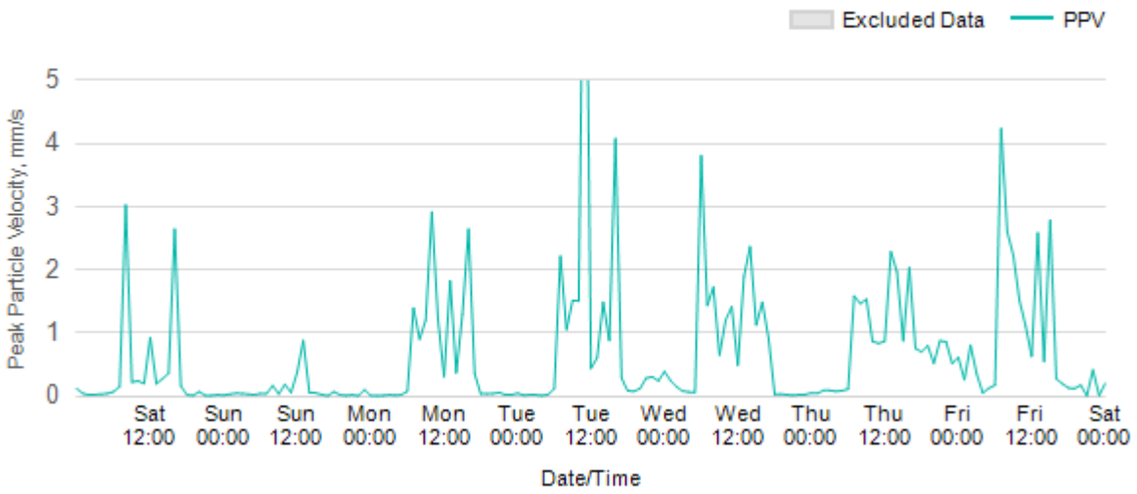

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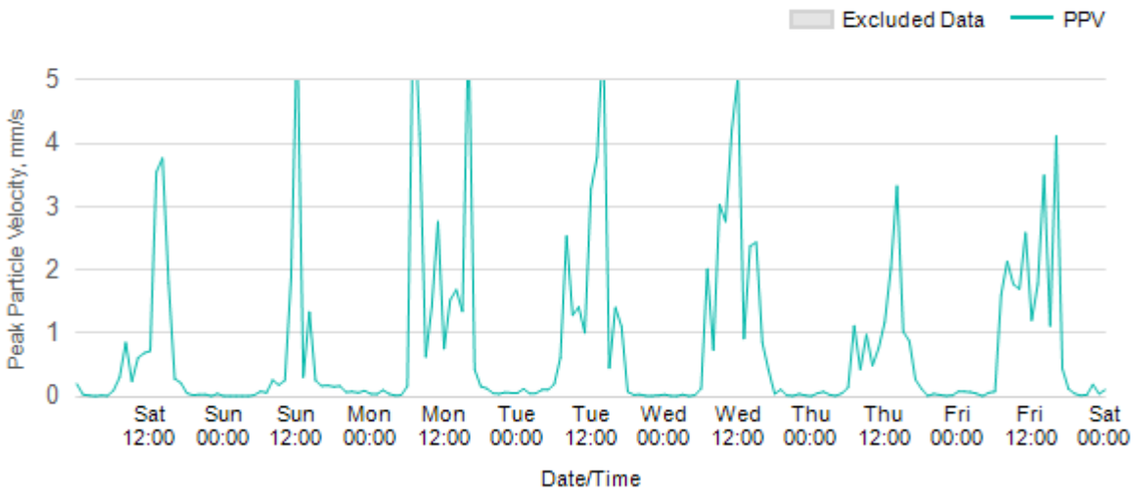

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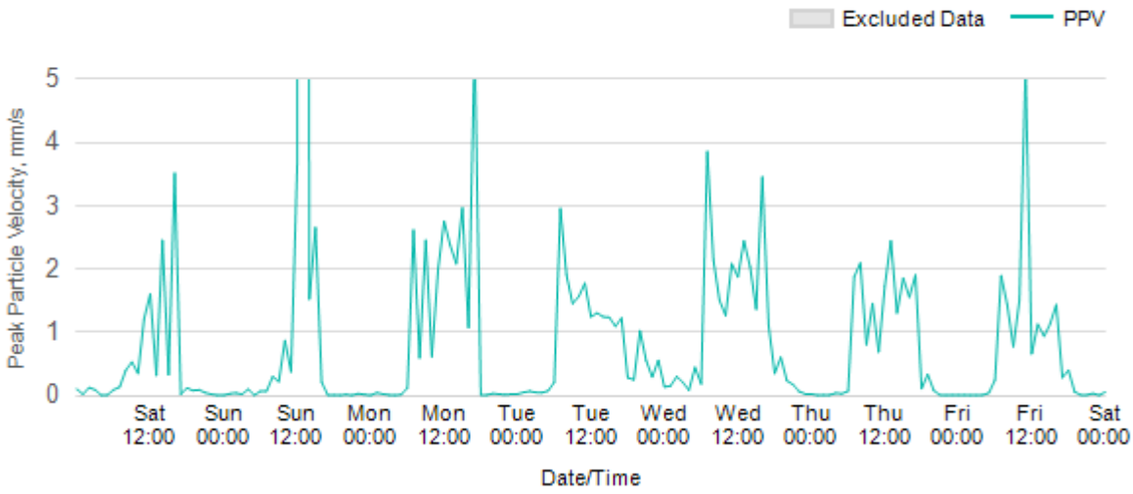

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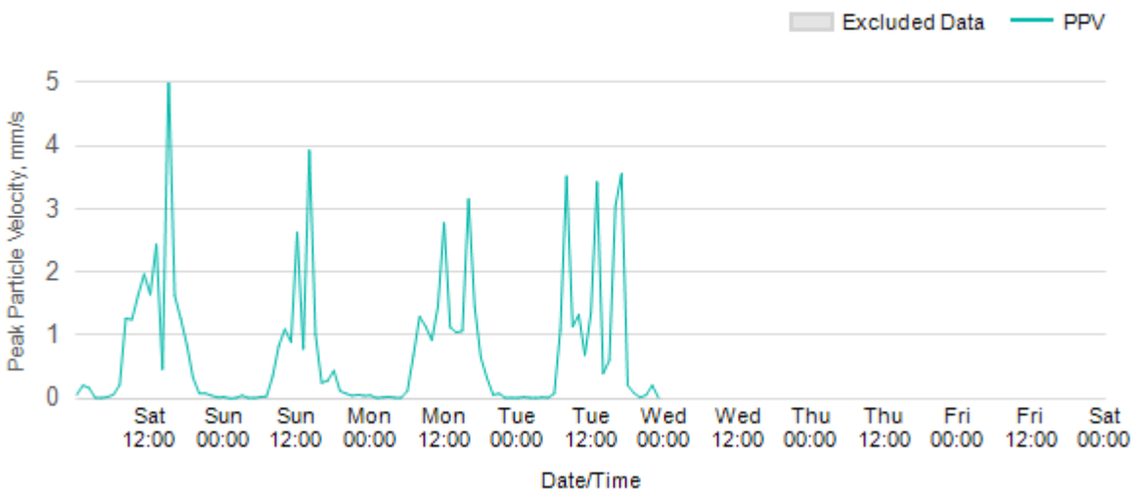

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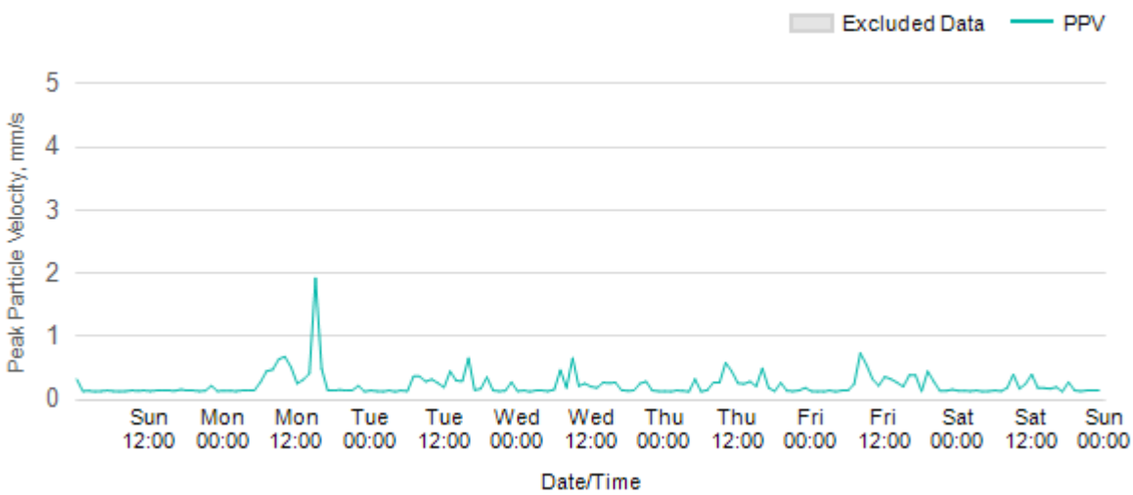
Worksite: WDL Monitoring Ref: WDL-Vib1 01 March 2026 to 07 March 2026



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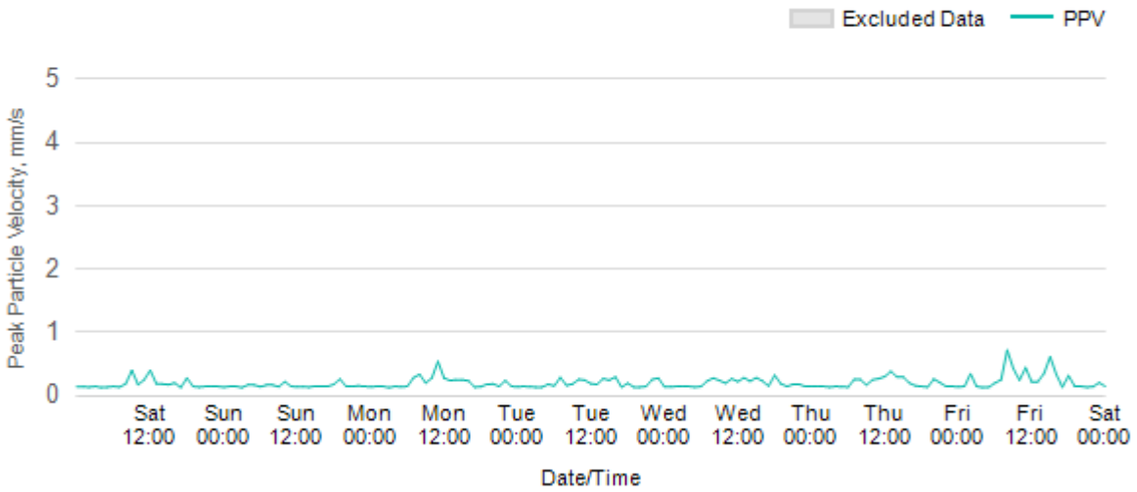

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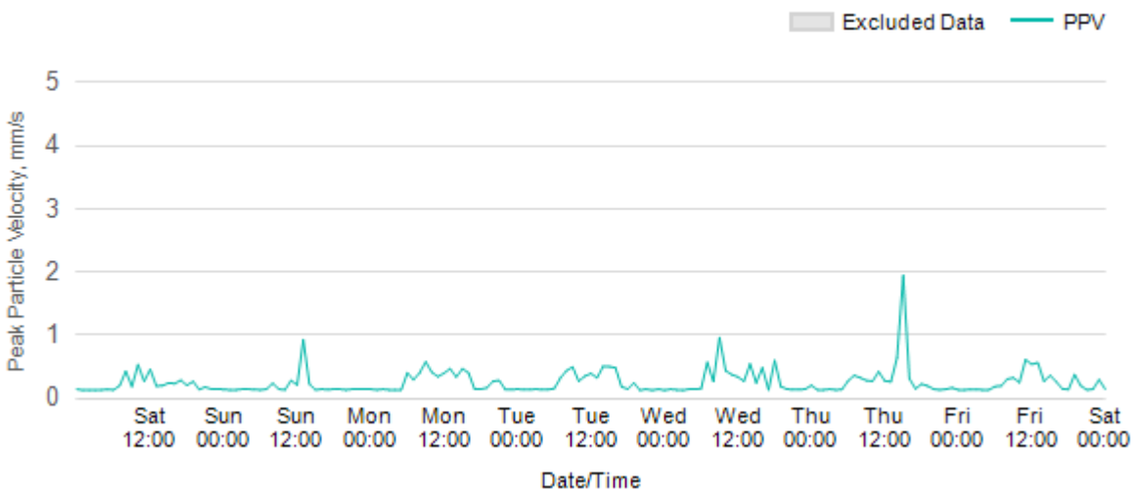

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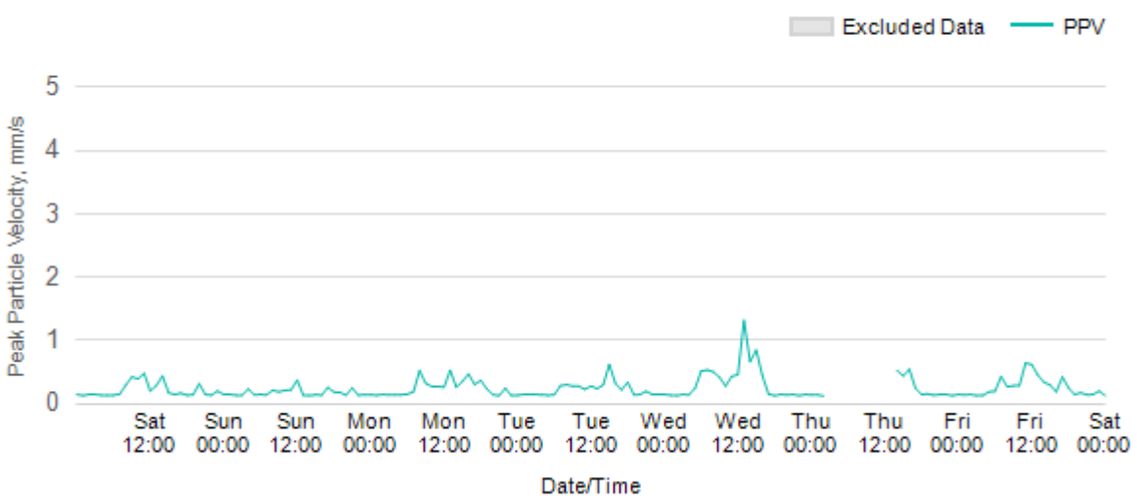
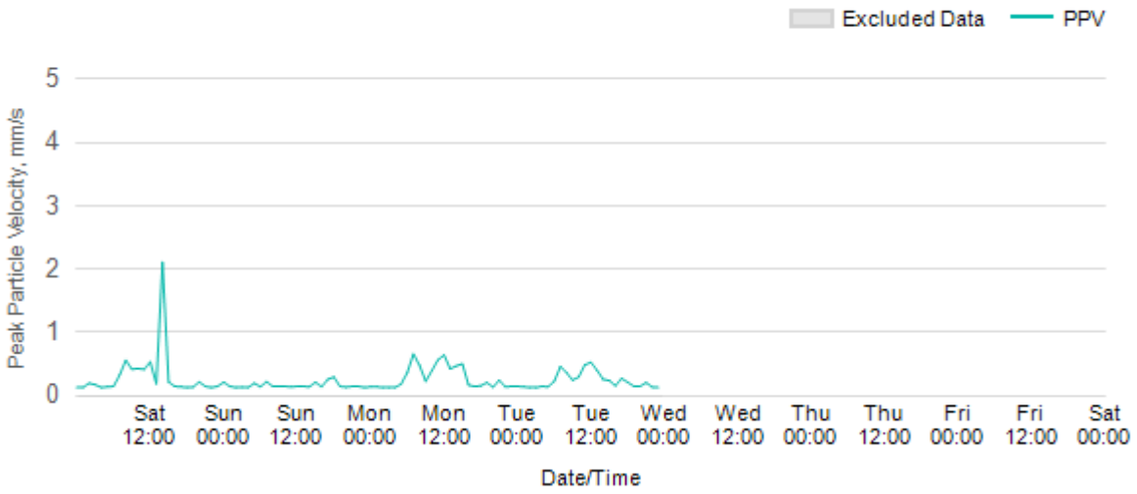
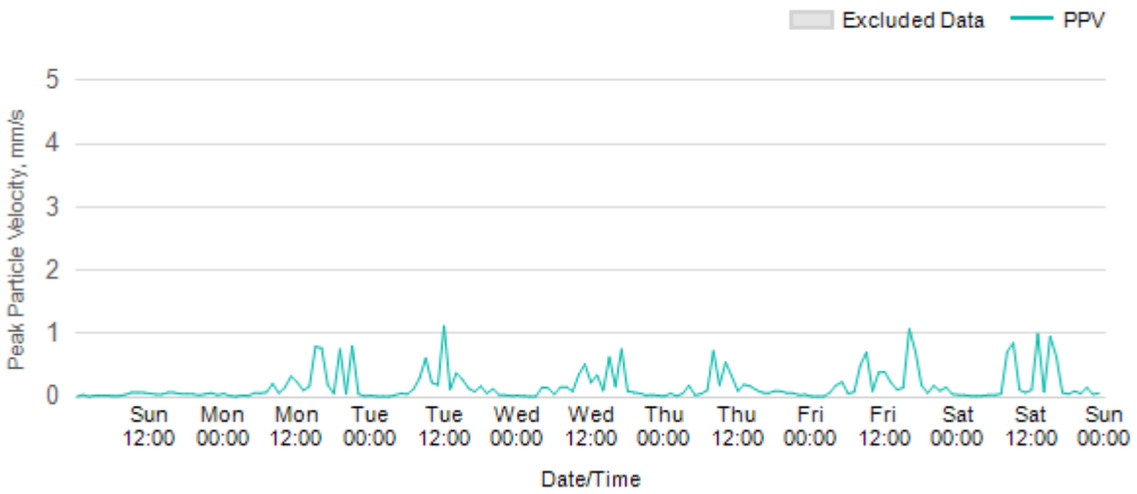


Worksite: WDL Monitoring Ref: WDL-Vib1 29 March 2026 to 4 April 2026



Worksite: SR - Monitoring Ref: SR-Vib1

Worksite: SR Monitoring Ref: SR-Vib1 01 March 2026 to 07 March 2026



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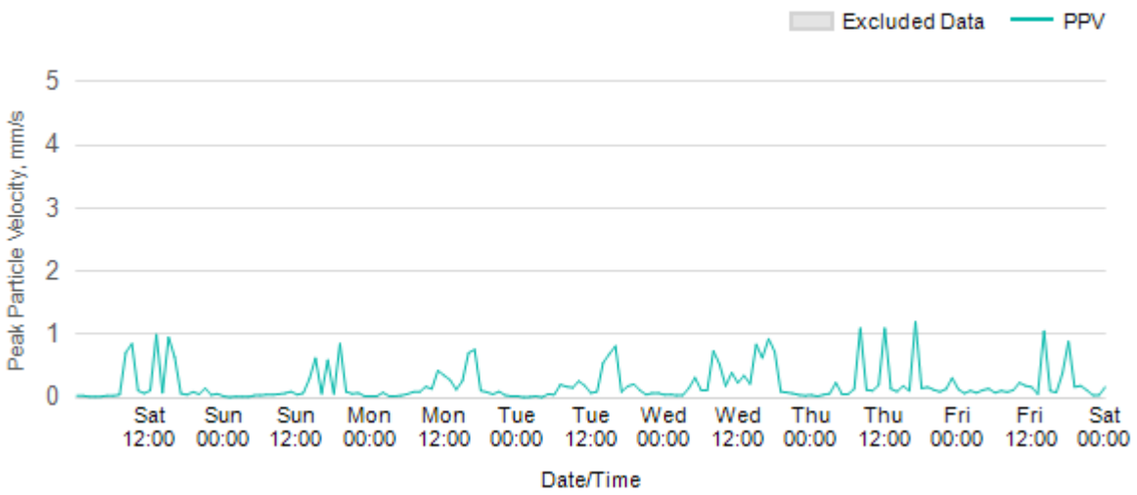

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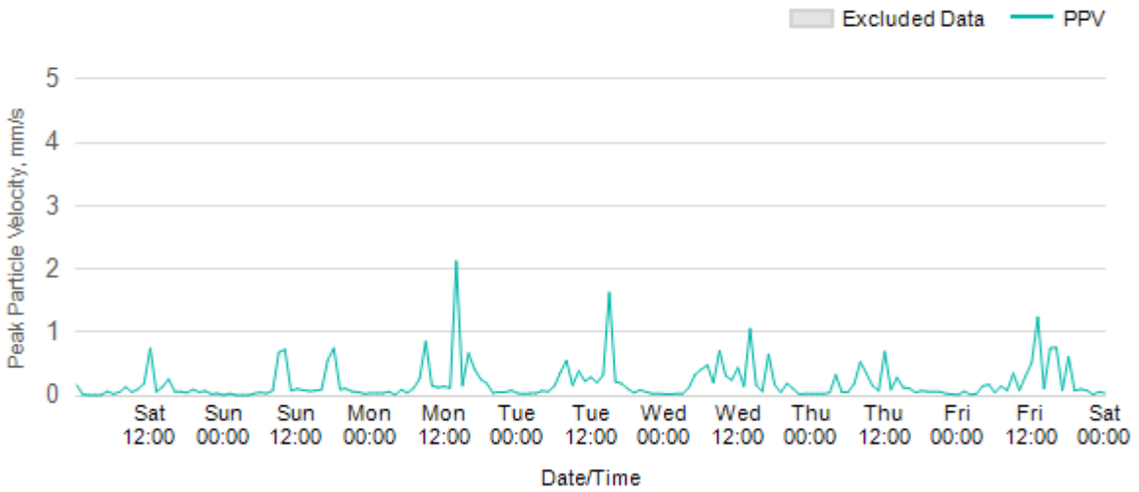
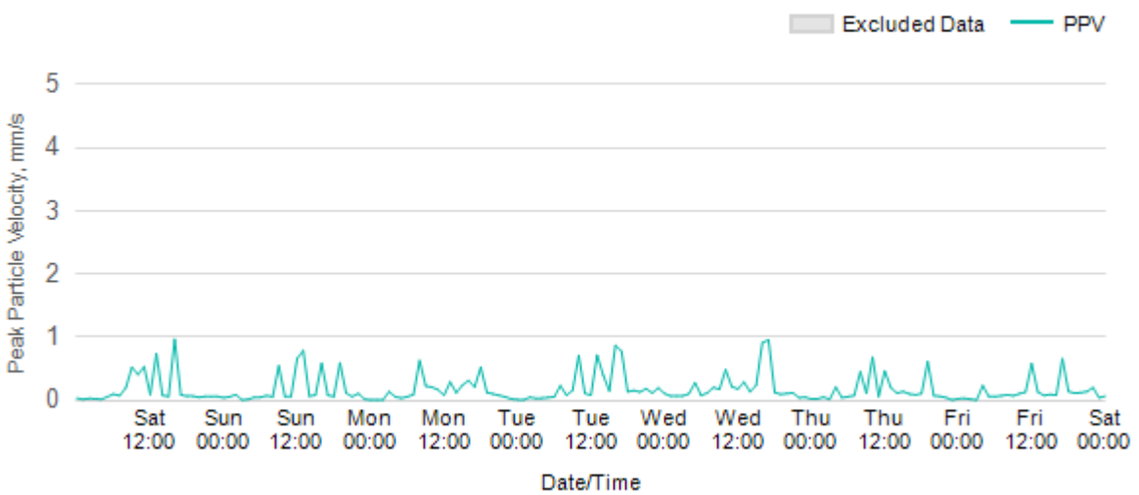


Worksite: SR Monitoring Ref: SR-Vib1 22 March 2026 to 28 March 2026



Worksite: SR Monitoring Ref: SR-Vib1 29 March 2026 to 4 April 2026