HS2

August 2026

Construction noise and vibration Monthly Report – August 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 Aug 2026.

Within this period monitoring was undertaken at the following worksites:

- Noise and vibration were undertaken in the vicinity of West Street Overbridge worksite, (ref.: WSO) where noise barrier works, highway realignment and utility diversion works, backfilling & drainage of the eastern & northern embankments, waterproofing and fencing for the access track crossing, landscaping and watercourse diversion works were underway.

- Noise and vibration were undertaken in the vicinity of Aylesbury Golf Course worksite (ref.: GC) where earthworks, landscape fill and overbridge building up of bankseat activities were underway.

- Noise and vibration were undertaken in the vicinity of Chalfont St Peter Vent Shaft worksite (ref.: CSP) where landscaping, stockpile management and temporary access road removal works were underway.

- Noise and vibration were undertaken in the vicinity of Twyford worksite (ref.: TW) where overbridge works including formwork, steel fixing, concrete and falsework installation works, stabilisation works, parapet deliveries and installation, track drainage installation, operation and maintenance of site access and mass haul road, water management / pumping activities, de-vegetation works, waterproofing and excavation works were underway.

- Noise and vibration were undertaken in the vicinity of Rocky Lane Embankment worksite (ref.: RLE) where no works were undertaken.

- Noise and vibration were undertaken in the vicinity of Woodlands worksite (ref.: WDL) where structure works, earthworks, River Ray diversion tie-in activities, concrete works for ditches, landscape bund preparation, geocell installation and retaining wall and fencing works were underway.

- Noise and vibration were undertaken in the vicinity of Nash Lee Lane worksite (ref.: NLL) where no works were undertaken.

- Noise and vibration were undertaken in the vicinity of Wendover Dean Viaduct worksite (ref.: WDV) where no works were underway.

- Noise and vibration were undertaken in the vicinity of Waddesdon worksite (ref.: WAD) where deck reinforcement and concreting works, waterproofing works, and earthworks were underway.

- Noise and vibration were undertaken in the vicinity of Moat Farm Worksite (ref.: MF) where earthworks, piling and track drainage works were underway.

- Noise and vibration were undertaken in the vicinity of Thame Valley Viaduct worksite (ref.: TVV) where viaduct platform removal, waterproofing, concrete protection slab works were underway.

- Noise and vibration were undertaken in the vicinity of South Heath worksite (ref.: SH) where North Portal Building works, porous portal works, concrete finishing works, earthworks, landscaping activities were underway.

- Noise and vibration were undertaken in the vicinity of A422 Turweston North worksite (ref.: A422 TN) where batters and noise barrier piling works were underway.

- Noise and vibration were undertaken in the vicinity of Hermitage worksite (ref.: HC) where noise barrier breaking, cropping, steel fixing, blinding, and concreting pile caps, bulk excavation, operation and maintenance of site access and mass haul road and water management / pumping activities were underway.

- Noise and vibration were undertaken in the vicinity of School End worksite (ref.: SE) where platform excavation works, bulk excavation, use and maintenance of mass haul road and site access road, compound maintenance, de-vegetation works, water management / pumping activities, and stockpiling/ topsoil screening works were underway.

- Noise and vibration were undertaken in the vicinity of Calvert worksite (ref.: CAL) where noise barrier construction, overbridge (utilities) activities, removal of old road realignment, earthworks, watercourse diversion, reinforced concrete works, hydro demolition works, waterproofing and backfilling works, Bebo arches installation, overbridge deck works, geocell installation, drainage works, utilities and HDD drilling were underway.

- Noise and vibration were undertaken in the vicinity of Quainton worksite (ref.: QAR) where structure works, earthworks - waterproofing and backfill, culvert - excavation and installation, reinforced concrete works, utilities, retaining wall and fencing works, highway works, waterproofing, geocell installation, and track drainage works were underway.

- Noise and vibration were undertaken in the vicinity of North Portal worksite (ref.: NP) where overbridge works, earthworks and landscaping activities were underway.

- Noise and vibration were undertaken in the vicinity of Wendover Green Tunnel worksite (ref.: WGT) where the earthworks, installation of cast segments to the tunnel, backfill, concrete pours, use and maintenance of mass haul road and site access road, and waterproofing works were underway.

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

- Amersham Road Vent shaft where hoarding removal, vehicle barrier shortening, and highways and electrical works were undertaken.

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 August 2026.

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

- A422 Turweston North worksite, Ref.: A422 TN (See plan 1 in Appendix A), where work activities included:
    - Batters
    - Noise barrier piling
- West Street Overbridge worksite, Ref.: WSO (See plan 2 in Appendix A), where work activities included:
    - Noise barrier works
    - Highway realignment and utility diversion
    - Backfilling & drainage of the eastern & northern embankments
    - Waterproofing and fencing for the access track crossing
    - Landscaping
    - Watercourse diversion works
- Twyford worksite, Ref.: TW (See plan 2 in Appendix A), where work activities included:
    - Overbridge works including formwork, steel fixing, concrete and falsework installation
    - Stabilisation works
    - Parapet deliveries and installation
    - Track drainage installation
    - Operation and maintenance of site access and mass haul road
    - Water management / pumping activities
    - De-vegetation works
    - Waterproofing
    - Excavation works
- Hermitage worksite, Ref.: HC (See plan 2 in Appendix A), where work activities included:

    - Bulk excavation
    - Noise barrier breaking, steel fixing, blinding and concreting pile caps
    - Operation and maintenance of site access and mass haul road
    - Water management / pumping activities.
- Aylesbury Golf Course worksite, Ref.: GC (See plan 6 in Appendix A), where work activities included:
    - Earthworks
    - Landscape fill
    - Overbridge building up of bankseat
- Calvert worksite Ref.: CAL (See plan 3 in Appendix A), where work activities included:
    - Noise barrier construction
    - Construction of School Hill overbridge (utilities)
    - Removal of old road realignment
    - Earthworks
    - Watercourse diversion
    - Reinforced concrete works
    - Hydro demolition
    - Waterproofing and backfilling works
    - Bebo arches installation
    - Overbridge deck works
    - Geocell installation
    - Drainage works
    - Utilities
    - HDD drilling
- Rocky Lane Embankment worksite, Ref.: RLE (See plan 7 in Appendix A), where work no works were undertaken
- Quainton worksite, Ref.: QAR (See plan 4 in Appendix A), where work activities included:
    - Structure works
    - Earthworks - Waterproofing and backfill
    - Culverts - Excavation and installation
    - Reinforced concrete works
    - Utilities
    - Retaining wall and fencing
    - Highway works
    - Waterproofing
    - Geocell installation
    - Track drainage
- Waddesdon worksite, Ref.: WAD (See plan 5 in Appendix A), where work activities included:
    - Deck reinforcement and concreting
    - Waterproofing works
    - Earthworks
- Woodlands worksite, Ref.: WDL (See plan 4 in Appendix A), where work activities included:

    - Structure works
    - Earthworks
    - River Ray diversion tie-in
    - Concrete works for ditches
    - Landscape bund preparation
    - Geocell installation
    - Retaining wall and fencing
- School End worksite, Ref.: SE (See plan 2 in Appendix A), where work activities included:
    - Platform excavation
    - Bulk excavation
    - Use and maintenance of mass haul road and site access road
    - Compound Maintenance
    - De-vegetation works
    - Water management / pumping activities.
    - Stockpiling/ topsoil screening
- Thame Valley Viaduct worksite, Ref.: TVV (See plan 5 in Appendix A), where work activities included:
    - Viaduct platform removal
    - Waterproofing
    - Concrete protection slab
- Moat Farm Worksite ref.: MF (See plan 6 in Appendix A), where work activities
    - Earthworks
    - Track drainage
    - Piling
- Nash Lee Lane worksite, Ref.: NLL (See plan 6 in Appendix A), where no works were undertaken.
- Wendover Dean Viaduct worksite, Ref.: WDV (See plan 7 in Appendix A), where no work were undertaken
- Wendover Green Tunnel worksite, Ref.: WGT (See plan 7 in Appendix A), where work activities included:
    - Earthworks
    - Installation of pre-cast concrete segments to the tunnel
    - Use and maintenance of mass haul road and site access road
    - Backfill
    - Concrete pours
    - Waterproofing
- North Portal worksite, Ref.: NP (See plan 8 in Appendix A), where work activities included:
    - Overbridge works
    - Earthworks
    - Landscaping
- South Heath worksite, Ref.: SH (See plan 8 in Appendix A), where work activities included:
    - North Portal Building works
    - Porous portal works

    - Concrete finishing works
    - Earthworks
    - Landscaping
- Chalfont St Peter Vent Shaft worksite, Ref.: CSP (See plan 12 in Appendix A), where work activities included:
    - Landscaping
    - Stockpile management
    - Temporary access road removal

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

- Amersham Road Vent shaft where hoarding removal, vehicle barrier shortening, and highways and electrical works were undertaken

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 28 noise and 8 vibration monitoring installations were active in August in the Buckinghamshire Council area. Tables 2a and 2b summarise the position of noise and vibration monitoring installations within the Buckinghamshire Council area in August 2026.

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

1.2.3 The following additional monitor was installed:

- Noise monitor ref. PC-NMP1 was installed at Aylesbury, Buckinghamshire, worksite ref. TVV on 01 August.

Table 2a: Noise Monitoring Locations

Worksite Reference	Measurement Reference	Address
NP	BFH-NMP1	Bury Farm, Great Missenden
	BLH-NMP1	4 Bayleys Hatch South Heath Great Missenden
	ORC-NMP1	Orchard Cottage, Ballinger Road, South Heath
WGT	BL-NMP1	Bacombe Lane, Wendover
	ER-NMP1	Ellesborough Rd, Wendover
	WGT-NMP1	Wendover, Aylesbury
	WC-NMP1	Wendover Compound
CSP	CSP-NMP2	Chalfont St Peter, ALIGN JV Site, Chesham Lane
CAL	SHC-NMP1	School Hill Compound, Calvert
	FCC-NMP1	Edgcott, Buckinghamshire
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

MF	MF-NMP1	Moat Farm, Marsh Lane
RLE	NCAS6-NMP1	Chesham Lane, The Lee, Wendover
NLL	NLL-NMP2	Nash Lee Lane, Nash Lee
TVV	PC-NMP1	Aylesbury, Buckinghamshire
	TVV-NMP1	Turweston North, Brackley
QAR	QAR-NMP2	Station Road, Quainton
	LSF-NMP1	Upper South Farm
SE	SE-NMP1	School End, Chetwode
A422 TN	TN-NMP1	Turweston North, Brackley
TW	TW-NMP1	Turweston, Brackley
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	Calvert, Buckinghamshire
ER	ER-Vib1	Ellesborough Rd, Wendover
QAR	HH-Vib1	Quainton, Aylesbury
WGT	BL-Vib1	Bacombe Lane, Wendover
PF	PF-Vib1	Twyford, Buckinghamshire
SE	SE-Vib1	School End, Chetwode, Buckinghamshire
SR	SR-Vib1	Quainton, Aylesbury
WDL	WDL-Vib1	Edgcott, Buckinghamshire

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
TVV	PC-NMP1	Aylesbury, Buckinghamshire	Free field	48.5 (54.1)	51.1 (62.7)	50.2 (55.5)	47.9 (54.3)	45.6 (54.0)	45.8 (49.6)	48.1 (51.7)	48.2 (50.8)	45.8 (51.7)	43.5 (52.4)	45.5 (53.9)	43.0 (53.1)
	TVV-NMP1	Aylesbury, Buckinghamshire	Free field	44.6 (51.7)	48.3 (54.0)	42.9 (46.7)	43.2 (53.7)	40.4 (51.5)	41.5 (44.9)	43.8 (46.0)	42.5 (44.1)	42.0 (46.1)	40.7 (47.6)	42.7 (49.9)	40.0 (48.7)
NP	BFH-NMP1	Bury Farm, Great Missenden, Buckinghamshire,	Free field	45.3 (52.5)	49.2 (55.1)	44.1 (56.1)	40.5 (46.6)	36.8 (46.7)	42.2 (44.1)	46.1 (48.7)	45.7 (50.4)	44.3 (51.7)	37.0 (47.5)	47.1 (67.8)	36.8 (48.5)
	BLH-NMP1	4 Bayleys Hatch South Heath Great Missinden	Free field	46.7 (58.5)	48.2 (58.8)	45.2 (59.8)	42.3 (46.3)	39.1 (47.5)	44.6 (46.2)	47.5 (53.1)	45.9 (48.4)	51.7 (81.3)	38.7 (46.4)	47.7 (64.2)	40.6 (51.2)
	ORC-NMP1	Orchard Cottage, Ballinger Road, South Heath, Great Missenden,	Free field	53.6 (71.3)	58.7 (68.0)	45.6 (58.4)	42.5 (48.7)	40.0 (49.9)	49.9 (57.2)	56.4 (65.2)	57.8 (67.7)	52.7 (72.3)	45.5 (60.5)	47.3 (60.3)	41.8 (50.8)
WGT	BL-NMP1	Bacombe Lane, Wendover	Free field	44.8 (47.4)	48.6 (51.3)	44.6 (54.4)	43.0 (48.1)	40.7 (52.5)	43.9 (44.4)	48.8 (49.8)	47.6 (49.1)	44.6 (49.2)	40.1 (43.4)	44.6 (49.4)	40.6 (46.1)
	ER-NMP1	Ellesborough Rd, Wendover	Free field	54.7 (59.4)	54.9 (62.3)	53.6 (58.5)	51.9 (64.5)	49.9 (57.1)	51.9 (53.8)	57.4 (74.8)	53.3 (55.2)	53.2 (62.5)	49.7 (52.5)	54.7 (70.7)	50.4 (55.5)
	WGT-NMP1	Wendover, Aylesbury	Free field	50.9 (56.9)	50.7 (57.3)	50.7 (61.7)	48.7 (56.2)	45.9 (56.4)	46.5 (49.5)	47.6 (49.9)	47.3 (50.2)	48.2 (56.0)	45.9 (59.1)	51.7 (67.6)	46.8 (53.3)
	WC-NMP1	Wendover Compound	Free field	65.7 (68.6)	64.8 (66.7)	64.5 (66.7)	61.9 (65.5)	59.1 (72.7)	62.4 (63.9)	65.0 (67.9)	64.1 (66.4)	62.9 (68.1)	57.1 (64.0)	63.0 (66.9)	58.6 (66.0)
CSP	CSP-NMP2	Chalfont St Peter, ALIGN JV Site, Chesham Lane,	Free field	46.2 (49.7)	48.2 (51.2)	45.3 (48.5)	43.1 (47.4)	40.5 (50.8)	44.3 (50.1)	48.4 (49.6)	46.9 (49.6)	44.5 (50.0)	38.4 (44.2)	46.3 (52.3)	41.4 (50.1)
CAL	FCC-NMP1	Edgcott, Buckinghamshire	Free field	51.5 (61.4)	62.1 (70.9)	43.1 (55.7)	40.1 (49.9)	37.4 (44.4)	47.3 (57.2)	53.9 (63.2)	55.3 (67.7)	47.2 (65.8)	35.4 (43.2)	42.3 (48.9)	37.4 (46.7)
	SHC-NMP1	Calvert, Buckinghamshire	Free field	51.2 (53.3)	58.9 (66.0)	52.3 (66.4)	47.2 (67.1)	42.7 (51.9)	48.7 (51.0)	56.8 (67.7)	55.6 (59.4)	48.2 (58.3)	40.2 (58.4)	49.3 (64.0)	43.9 (53.3)
HC	HC-NMP1	Hermitage, Chetwode	Free field	56.3 (65.4)	58.6 (61.2)	49.8 (55.3)	46.2 (56.0)	45.6 (51.6)	54.2 (56.6)	53.9 (56.0)	54.4 (56.2)	50.6 (57.5)	45.7 (48.3)	47.5 (55.6)	45.6 (48.9)
MF	MF-NMP1	Moat Farm, Marsh Lane	Free field	48.1 (52.0)	63.7 (77.5)	47.8 (53.6)	45.8 (51.6)	42.3 (51.2)	44.7 (47.3)	50.9 (58.8)	50.9 (63.6)	49.8 (65.8)	41.8 (48.1)	45.4 (54.2)	42.2 (49.0)

RLE	NCAS6-NMP1	Rocky Lane Embankment - Chesham Lane, The Lee, Wendover	Free field	49.9 (53.0)	53.7 (56.4)	49.9 (57.5)	47.1 (54.4)	44.5 (55.5)	47.3 (48.4)	50.8 (55.4)	50.9 (53.2)	50.2 (61.8)	45.4 (48.2)	48.6 (53.5)	44.0 (50.4)
NLL	NLL-NMP2	Nash Lee Lane, Nash Lee	Free field	51.6 (56.3)	56.3 (60.8)	49.9 (56.5)	47.3 (54.1)	44.2 (54.5)	46.6 (49.7)	51.6 (54.7)	52.0 (56.1)	49.6 (60.1)	42.3 (48.1)	46.1 (54.0)	42.6 (52.8)
QAR	QAR-NMP2	Station Road, Quainton	Free field	47.4 (53.3)	51.2 (57.0)	47.5 (56.2)	45.0 (52.8)	41.8 (59.5)	44.4 (46.8)	51.9 (55.0)	50.1 (51.8)	47.3 (56.5)	41.2 (51.2)	49.6 (58.9)	42.0 (57.8)
	LSF-NMP1	Quainton, Aylesbury	Free field	50.3 (53.7)	54.1 (63.1)	44.6 (58.2)	40.8 (53.3)	37.4 (47.9)	43.2 (47.4)	48.5 (51.5)	47.9 (51.3)	45.5 (52.2)	36.4 (45.3)	44.9 (53.5)	36.7 (44.9)
SE	SE-NMP1	School End, Chetwode	Free field	55.9 (61.7)	58.8 (60.9)	49.7 (54.1)	47.4 (53.9)	49.6 (54.0)	54.8 (58.0)	54.5 (58.3)	55.0 (57.9)	50.9 (57.1)	48.8 (53.7)	48.0 (53.9)	47.0 (53.9)
A422 TN	TN-NMP1	Turweston North, Brackley	Free field	47.5 (55.1)	52.7 (59.2)	45.3 (52.0)	43.3 (49.1)	42.5 (51.7)	49.8 (50.8)	58.8 (62.7)	56.5 (57.8)	53.7 (60.5)	41.8 (47.5)	55.5 (64.0)	43.4 (51.6)
TW	TW-NMP1	Twyford, Twyford	Free field	41.0 (44.7)	45.3 (53.2)	40.2 (48.3)	39.1 (53.6)	36.5 (41.8)	40.8 (45.7)	41.9 (43.6)	41.1 (45.0)	40.7 (51.6)	36.0 (40.7)	41.1 (53.3)	36.8 (41.1)
WDL	WDL-NMP1	Quainton, Aylesbury	Free field	58.4 (68.6)	65.9 (70.5)	51.7 (69.6)	48.5 (66.0)	43.7 (66.0)	49.3 (53.3)	57.6 (62.2)	56.5 (61.2)	52.8 (66.0)	44.5 (60.7)	51.4 (63.8)	44.3 (57.0)
WDV	WDV-NMP1	A413, Wendover, Upper Wendover Dean Farm site boundary	Free field	51.7 (58.0)	57.2 (61.7)	50.4 (59.4)	45.4 (54.5)	44.2 (54.4)	47.9 (50.2)	54.1 (57.6)	52.7 (61.3)	49.6 (58.5)	43.6 (50.1)	47.7 (59.5)	44.3 (54.3)
WSO	WSO-NMP1	Twyford, Buckinghamshire	Free field	44.8 (52.3)	51.3 (57.4)	40.0 (48.2)	37.5 (48.0)	34.7 (44.3)	42.1 (46.3)	46.8 (53.0)	44.1 (50.2)	42.4 (55.2)	32.3 (40.8)	40.6 (52.9)	34.8 (45.8)
GC	GC-NMP1	Aylesbury, Buckinghamshire	Free field	53.2 (55.8)	55.6 (61.4)	44.8 (50.1)	43.3 (49.9)	40.2 (47.7)	47.0 (54.8)	52.1 (56.7)	47.3 (48.9)	47.6 (60.9)	39.2 (43.6)	43.7 (51.4)	39.6 (47.7)
WAD	WAD-NMP2	Waddesdon, Buckinghamshire	Free field	48.0 (54.6)	51.1 (63.1)	42.9 (49.6)	40.5 (58.9)	38.5 (49.3)	42.3 (44.6)	44.6 (48.6)	44.5 (50.2)	41.1 (49.6)	35.0 (41.5)	42.6 (51.3)	37.2 (45.2)
SH	HHF-NMP1	Hammonds Hall Farm, Potter Row, South Heath, Great Missenden	Free field	60.7 (72.2)	61.6 (67.9)	44.6 (54.2)	41.5 (48.5)	39.2 (47.3)	50.6 (57.8)	62.8 (64.9)	60.9 (66.4)	53.3 (63.8)	37.8 (48.4)	45.6 (51.2)	39.9 (48.1)
	PKF-NMP1	Park Farm, South Heath, Great Missenden	Free field	56.3 (66.5)	60.4 (69.8)	46.5 (59.1)	43.6 (52.1)	40.6 (49.1)	49.7 (57.7)	56.1 (59.5)	56.6 (60.4)	50.5 (62.5)	39.9 (49.7)	46.7 (56.8)	41.4 (51.7)

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
WGT	BL-Vib1	Bacombe Lane, Wendover	13.34 (X-axis)
CAL	BRA-Vib1	Calvert, Buckinghamshire	3.52 (Y-axis)
ER	ER-Vib1	Ellesborough Rd, Wendover	5.89 (Z-axis)
QAR	HH-Vib1	Quainton, Aylesbury	5.06 (Y-axis)

PF	PF-Vib1	Twyford, Buckinghamshire	2.43 (Y-axis)
SE	SE-Vib1	School End, Chetwode, Buckinghamshire	10.34 (X-axis)
SR	SR-Vib1	Quainton, Aylesbury	1.55 (X-axis)
WDL	WDL-Vib1	Edgcott, Buckinghamshire	2.24 (Z-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, Buckinghamshire	Saturday	0800 - 1300	1	No exceedances
				1400 - 2200	4	No exceedances
			Sunday	0700 - 2200	4	No exceedances

			Night	2200 - 0700	19	No exceedances
CSP	CSP-NMP2	Chalfont St Peter, ALIGN JV Site, Chesham Lane	Night	2200 - 0700	1	No exceedances
CAL	FCC-NMP1	Edgcott, Buckinghamshire	Weekday	0700 - 0800	2	No exceedances
				0800 - 1800	8	No exceedances
			Saturday	0800 - 1300	1	No exceedances
				1300 - 1400	2	No exceedances
				1400 - 2200	3	No exceedances
			Night	2200 - 0700	1	No exceedances
	SHC-NMP1	School Hill Compound, Calvert	Weekday	0800 - 1800	2	No exceedances
				1800 - 1900	3	No exceedances
				1900 - 2200	5	No exceedances
			Saturday	0800 - 1300	1	No exceedances
				1300 - 1400	2	No exceedances
				1400 - 2200	2	No exceedances
			Sunday	0700 - 2200	3	No exceedances
			Night	2200 - 0700	28	No exceedances
GC	GC-NMP1	Aylesbury, Buckinghamshire	Saturday	1400 - 2200	3	No exceedances
			Night	2200 - 0700	22	No exceedances
HC	HC-NMP1	Hermitage, Chetwode	Weekday	0700 - 0800	3	No exceedances
				1900 - 2200	3	No exceedances
			Saturday	1400 - 2200	5	No exceedances
			Sunday	0700 - 2200	3	No exceedances
			Night	2200 - 0700	31	No exceedances
MF	MF-NMP1	Moat Farm, Marsh Lane	Weekday	0800 - 1800	9	3
			Saturday	1300 - 1400	1	No exceedances
				1400 - 2200	1	No exceedances
			Night	2200 - 0700	2	No exceedances
NLL	NLL-NMP2	Nash Lee Lane, Nash Lee	Saturday	1400 - 2200	1	No exceedances
			Night	2200 - 0700	21	No exceedances
NP	BFH-NMP1	Bury Farm, Great Missenden	Sunday	0700 - 2200	1	No exceedances
			Night	2200 - 0700	6	No exceedances
	BLH-NMP1	4 Bayleys Hatch South Heath Great Missenden	Weekday	0700 - 0800	1	No exceedances
				1800 - 1900	1	No exceedances
			Saturday	1400 - 2200	1	No exceedances
			Sunday	0700 - 2200	2	No exceedances
			Night	2200 - 0700	14	No exceedances
	ORC-NMP1	Orchard Cottage, Ballinger Road, South Heath	Weekday	0700 - 0800	4	1
				0800 - 1800	5	No exceedances
				1800 - 1900	1	No exceedances
			Saturday	0800 - 1300	2	No exceedances

				1300 - 1400	2	1
				1400 - 2200	4	1
			Sunday	0700 - 2200	2	No exceedances
			Night	2200 - 0700	9	No exceedances
QAR	QAR-NMP2	Station Road, Quainton	Saturday	1400 - 2200	1	No exceedances
			Sunday	0700 - 2200	4	No exceedances
			Night	2200 - 0700	6	No exceedances
	LSF-NMP1	Quainton, Aylesbury	Weekday	0800 - 1800	1	No exceedances
			Night	2200 - 0700	1	No exceedances
RLE	NCAS6-NMP1	Chesham Lane, The Lee, Wendover	Weekday	1900 - 2200	2	No exceedances
			Saturday	1400 - 2200	3	No exceedances
			Night	2200 - 0700	16	No exceedances
SE	SE-NMP1	School End, Chetwode	Weekday	0700 - 0800	1	No exceedances
				1900 - 2200	1	No exceedances
			Saturday	1400 - 2200	4	No exceedances
			Sunday	0700 - 2200	2	No exceedances
			Night	2200 - 0700	31	No exceedances
SH	HHF-NMP1	Hammonds Hall Farm, Potter Row, South Heath	Weekday	0700 - 0800	11	2
				0800 - 1800	4	No exceedances
			Saturday	0800 - 1300	2	No exceedances
				1300 - 1400	4	No exceedances
				1400 - 2200	5	1
			Night	2200 - 0700	4	No exceedances
	PKF-NMP1	Park Farm, South Heath, Great Missenden	Weekday	0700 - 0800	8	No exceedances
				0800 - 1800	6	No exceedances
				1800 - 1900	1	No exceedances
			Saturday	1300 - 1400	2	No exceedances
				1400 - 2200	4	No exceedances
			Sunday	0700 - 2200	1	No exceedances
			Night	2200 - 0700	9	No exceedances
TVV	PC-NMP1	Aylesbury, Buckinghamshire	Weekday	0800 - 1800	1	No exceedances
				1900 - 2200	1	No exceedances
			Sunday	0700 - 2200	1	No exceedances
			Night	2200 - 0700	28	No exceedances
	TVV-NMP1	Aylesbury, Buckinghamshire	Night	2200 - 0700	22	No exceedances
TW	TW-NMP1	Twyford, Buckinghamshire	All days	All periods	No exceedances	No exceedances
WAD	WAD-NMP2	Waddesdon, Buckinghamshire	Weekday	0800 - 1800	1	No exceedances
				1900 - 2200	1	No exceedances
			Night	2200 - 0700	2	No exceedances
WC	WC-NMP1		Weekday	0700 - 0800	20	No exceedances

		Wendover compound, Wendover, Aylesbury		0800 - 1800	19	No exceedances
				1800 - 1900	20	No exceedances
				1900 - 2200	20	No exceedances
			Saturday	0700 - 0800	5	No exceedances
				0800 - 1300	5	No exceedances
				1300 - 1400	5	No exceedances
				1400 - 2200	5	No exceedances
			Sunday	0700 - 2200	6	No exceedances
			Night	2200 - 0700	31	No exceedances
WDL	WDL-NMP1	Woodlands Farmhouse, Station Rd, Quainton	Weekday	0700 - 0800	11	No exceedances
				0800 - 1800	15	No exceedances
				1800 - 1900	5	No exceedances
				1900 - 2200	9	No exceedances
			Saturday	1300 - 1400	3	No exceedances
				1400 - 2200	4	No exceedances
			Sunday	0700 - 2200	4	No exceedances
			Night	2200 - 0700	26	No exceedances
WDV	WDV-NMP1	Upper Wendover Dean Farm, A413, Wendover	Weekday	1800 - 1900	1	No exceedances
			Saturday	1300 - 1400	1	No exceedances
				1400 - 2200	2	No exceedances
			Sunday	0700 - 2200	1	No exceedances
			Night	2200 - 0700	22	No exceedances
WGT	BL-NMP1	Bacombe Lane, Wendover	Night	2200 - 0700	1	No exceedances
	ER-NMP1	Ellesborough Rd, Wendover	Weekday	1900 - 2200	2	No exceedances
			Saturday	0800 - 1300	1	No exceedances
				1400 - 2200	1	No exceedances
			Sunday	0700 - 2200	3	No exceedances
			Night	2200 - 0700	30	No exceedances
	WGT-NMP1	Wendover, Aylesbury	Weekday	1800 - 1900	1	No exceedances
				1900 - 2200	3	No exceedances
			Saturday	1400 - 2200	1	No exceedances
			Sunday	0700 - 2200	4	No exceedances
			Night	2200 - 0700	28	No exceedances
WSO	WSO-NMP1	West Street, Twyford	Saturday	1400 - 2200	1	No exceedances
			Night	2200 - 0700	2	No exceedances

2.2.6 There were exceedances of the LOAEL, during August 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
MF	MF-NMP1	Moat Farm, Marsh Lane	3
NP	ORC-NMP1	Orchard Cottage, Ballinger Road, South Heath	2
SH	HHF-NMP1	Hammonds Hall Farm, Potter Row, South Heath	3

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

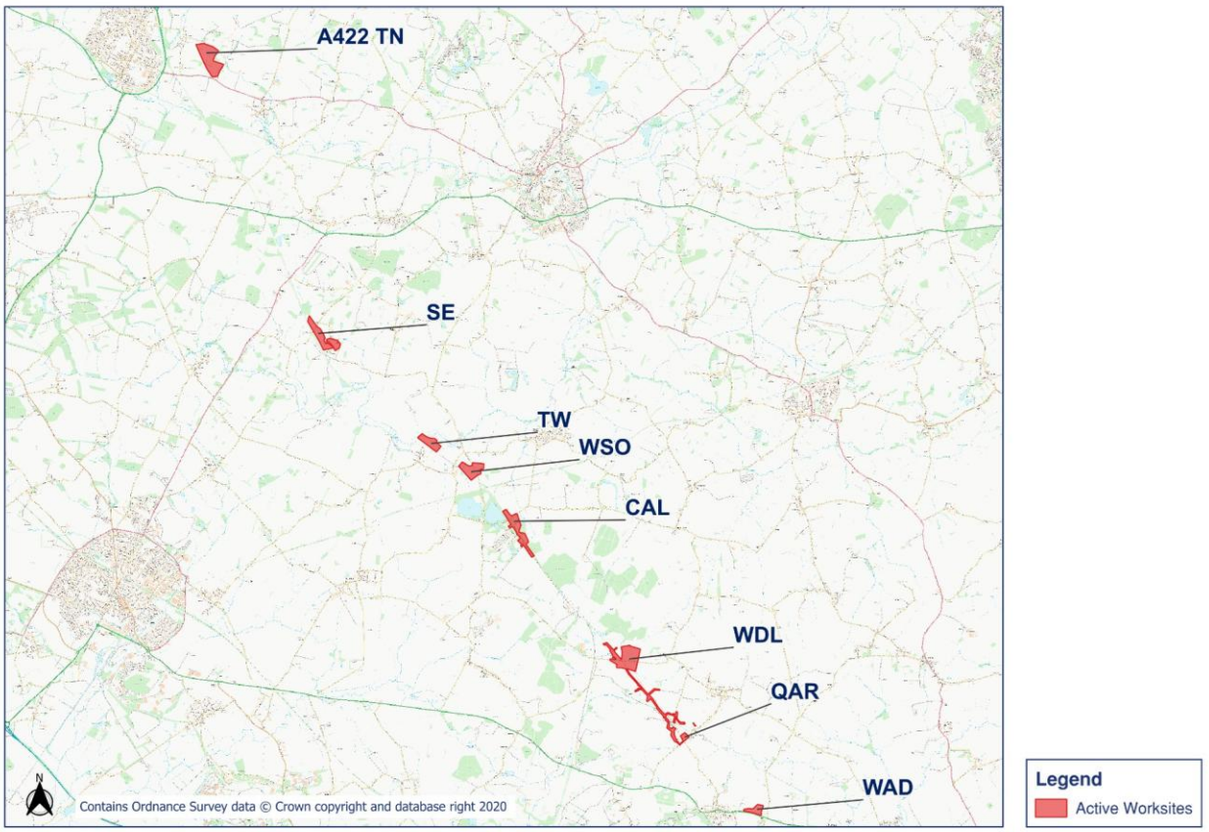
2.4.1 Table 8 provides a summary of complaint information related to noise and vibration received during the reporting period, monitor along with the findings of any investigation.

Table 8: Summary of Complaints

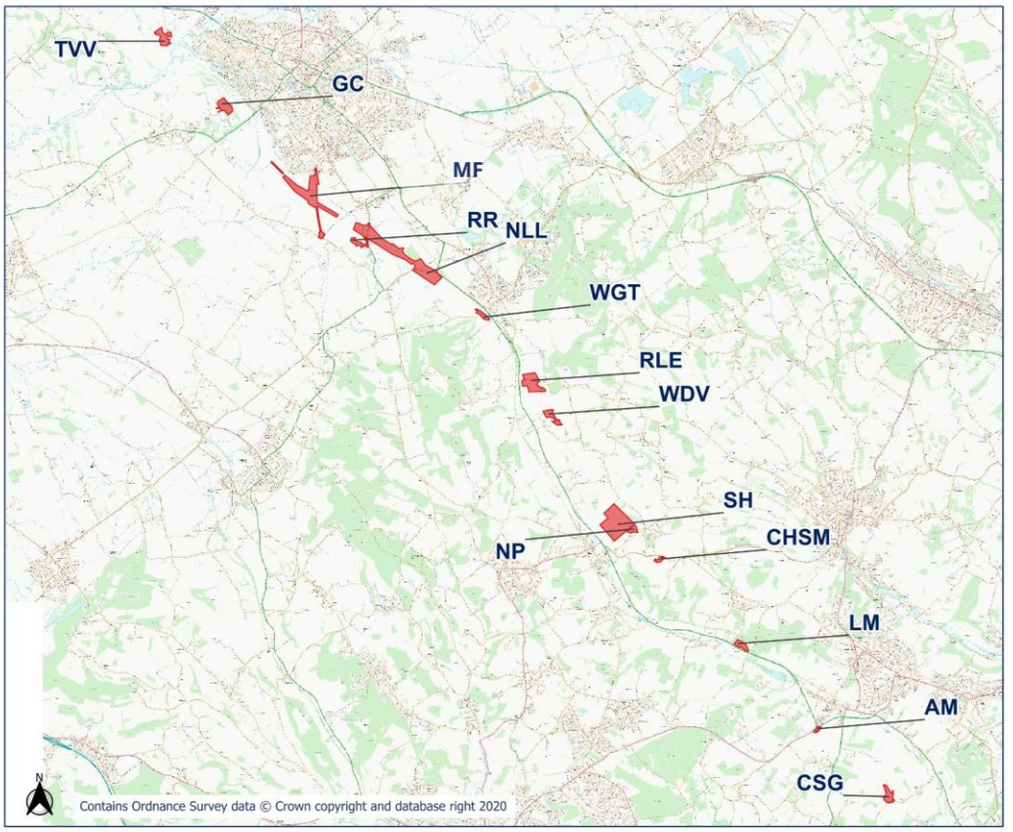
Complaint Reference Number	Worksite Reference	Description of Complaint	Results of Investigation	Actions Taken
-	-	-	-	-

Appendix A Site Locations

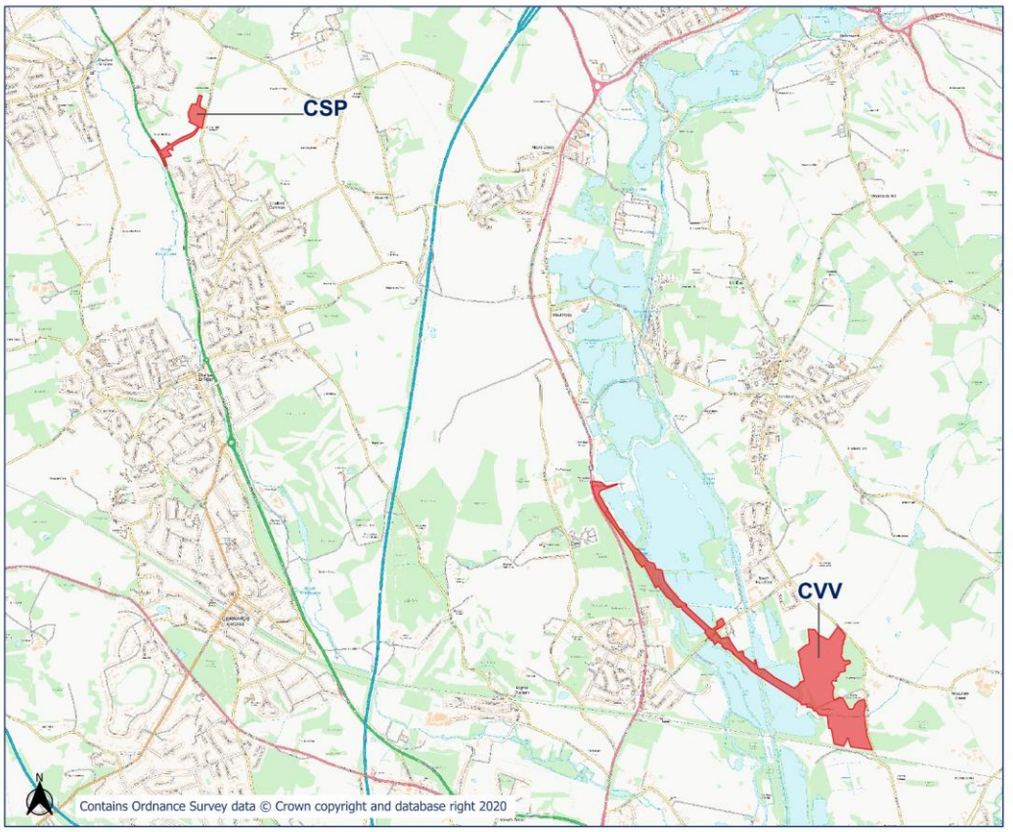
HS2 **Worksite Identification Plan - Overview 1**



HS2 Worksite Identification Plan - Overview 2

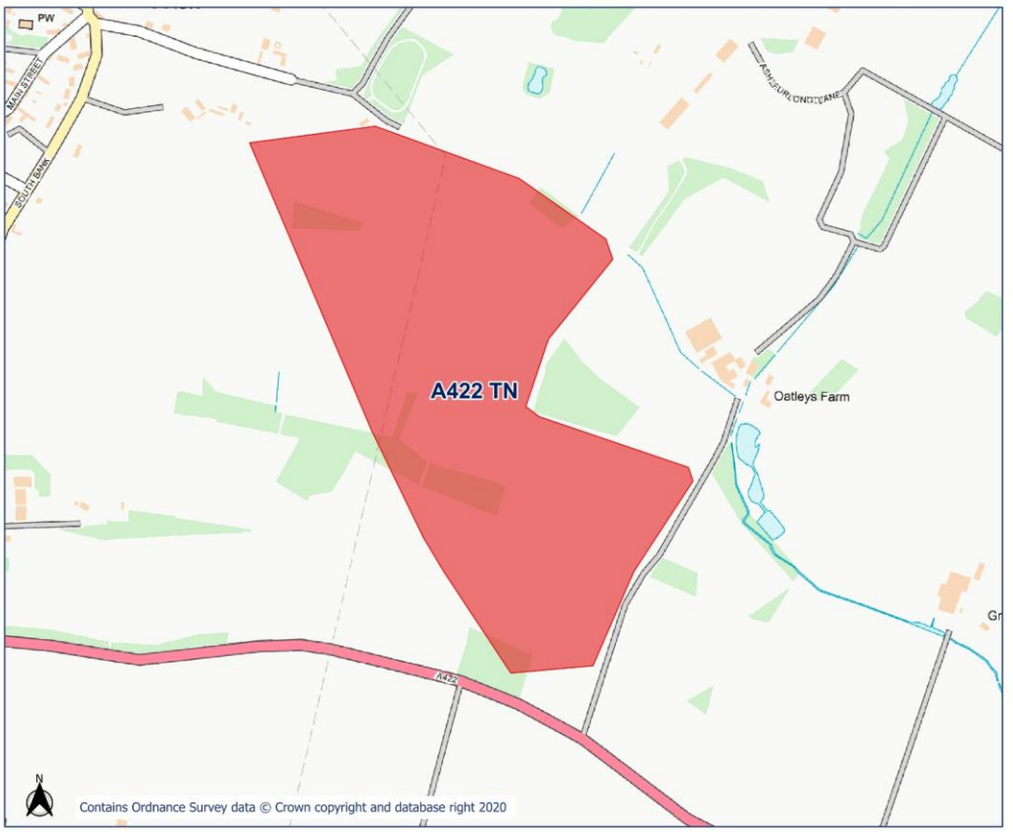


HS2 Worksite Identification Plan - Overview 3



HS2

Worksite Identification Plan - 1

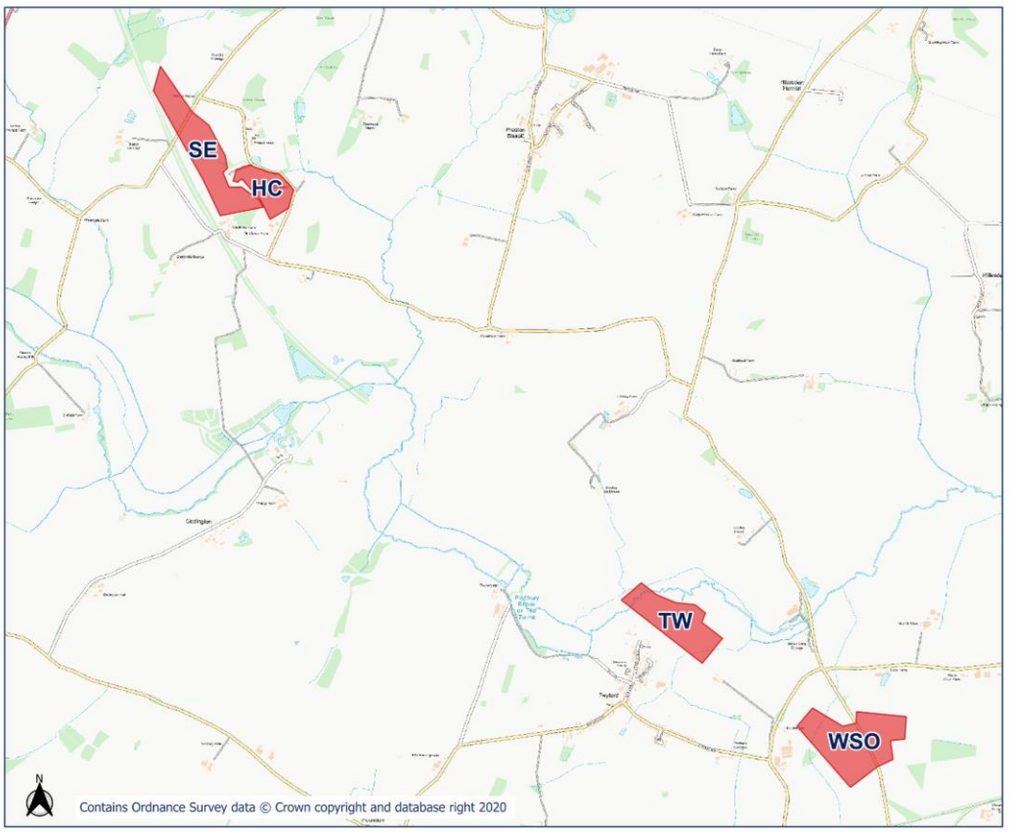


Legend

Active Worksites

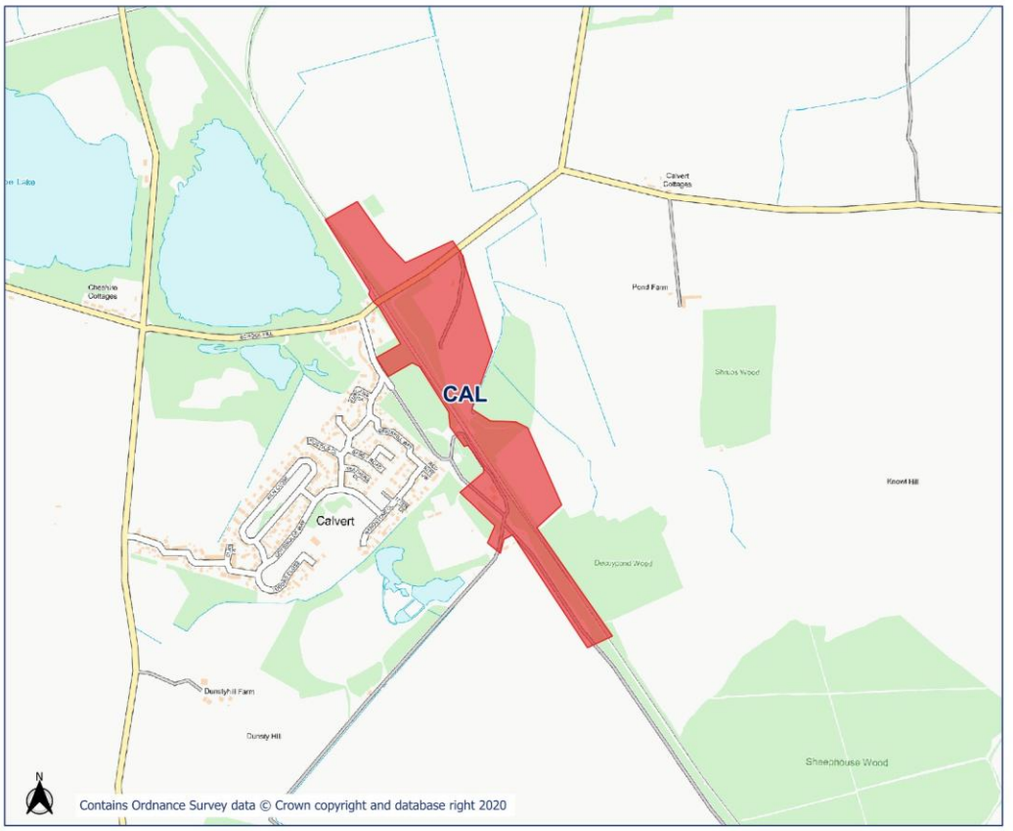
HS2

Worksite Identification Plan - 2



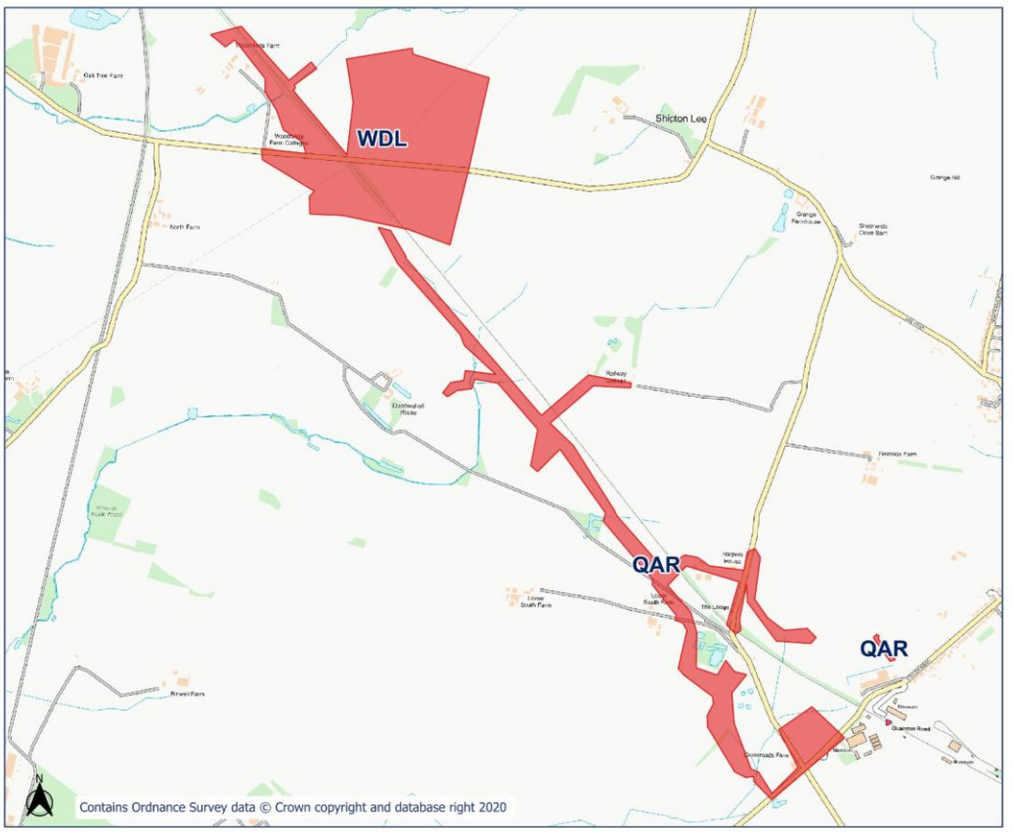
HS2

Worksite Identification Plan - 3

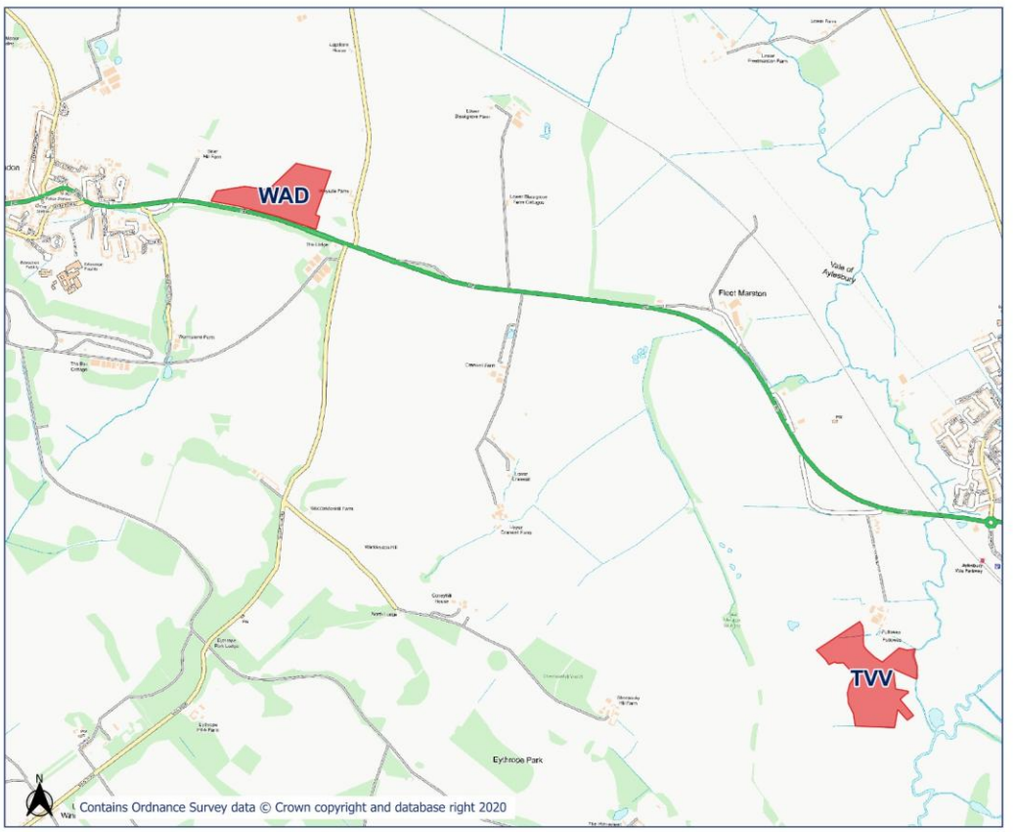


HS2

Worksite Identification Plan - 4

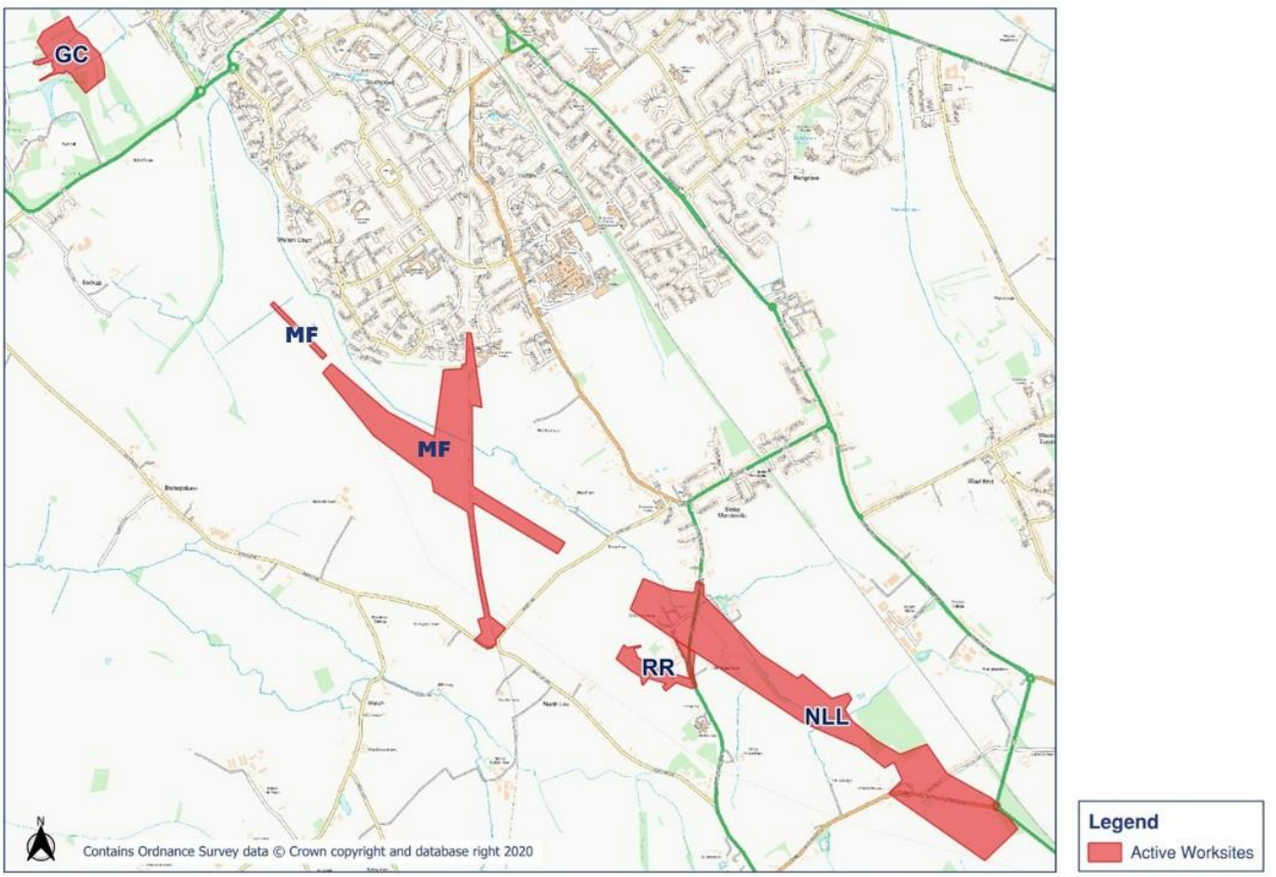


Worksite Identification Plan - 5

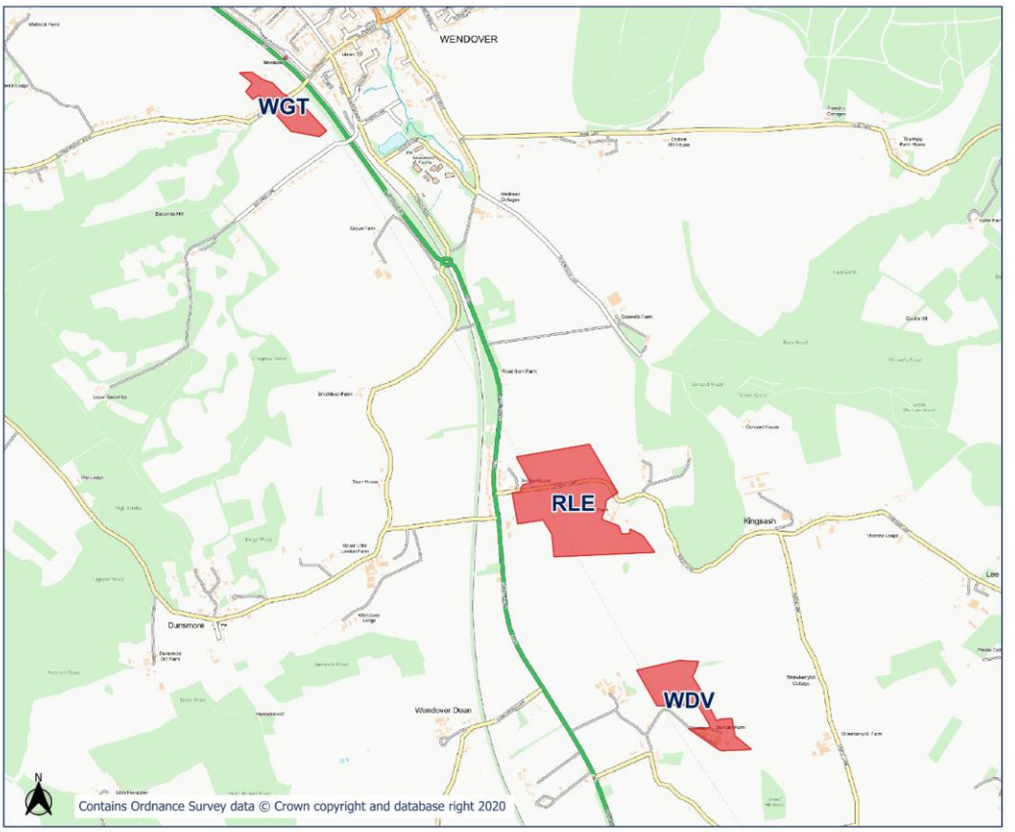


HS2

Worksite Identification Plan - 6



Worksite Identification Plan - 7

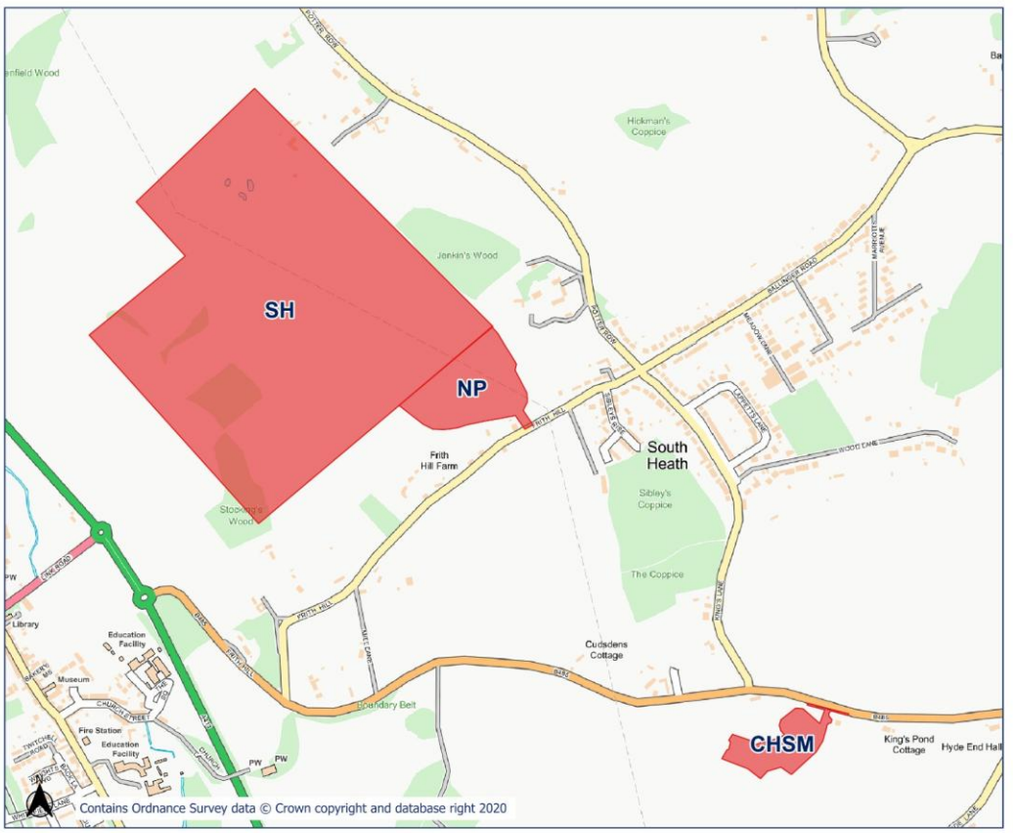


Legend

Active Worksites

HS2

Worksite Identification Plan - 8



HS2

Worksite Identification Plan - 9



Legend
Active Worksites

HS2 Worksite Identification Plan - 10

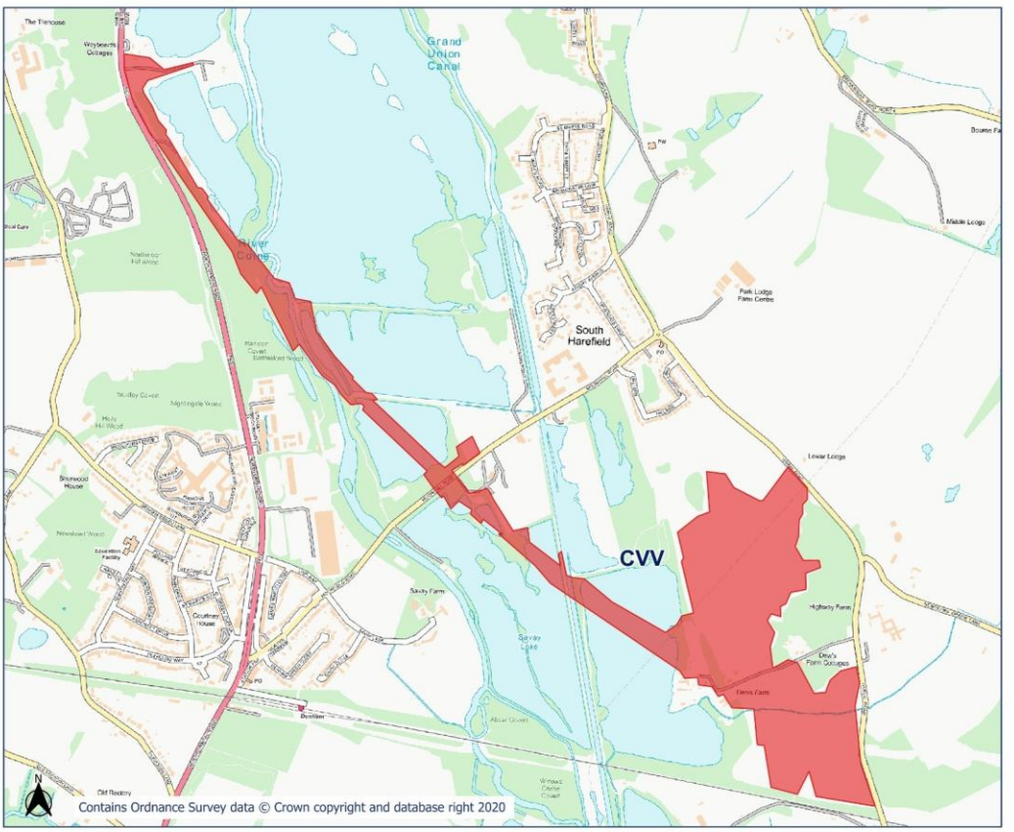


HS2

Worksite Identification Plan - 11

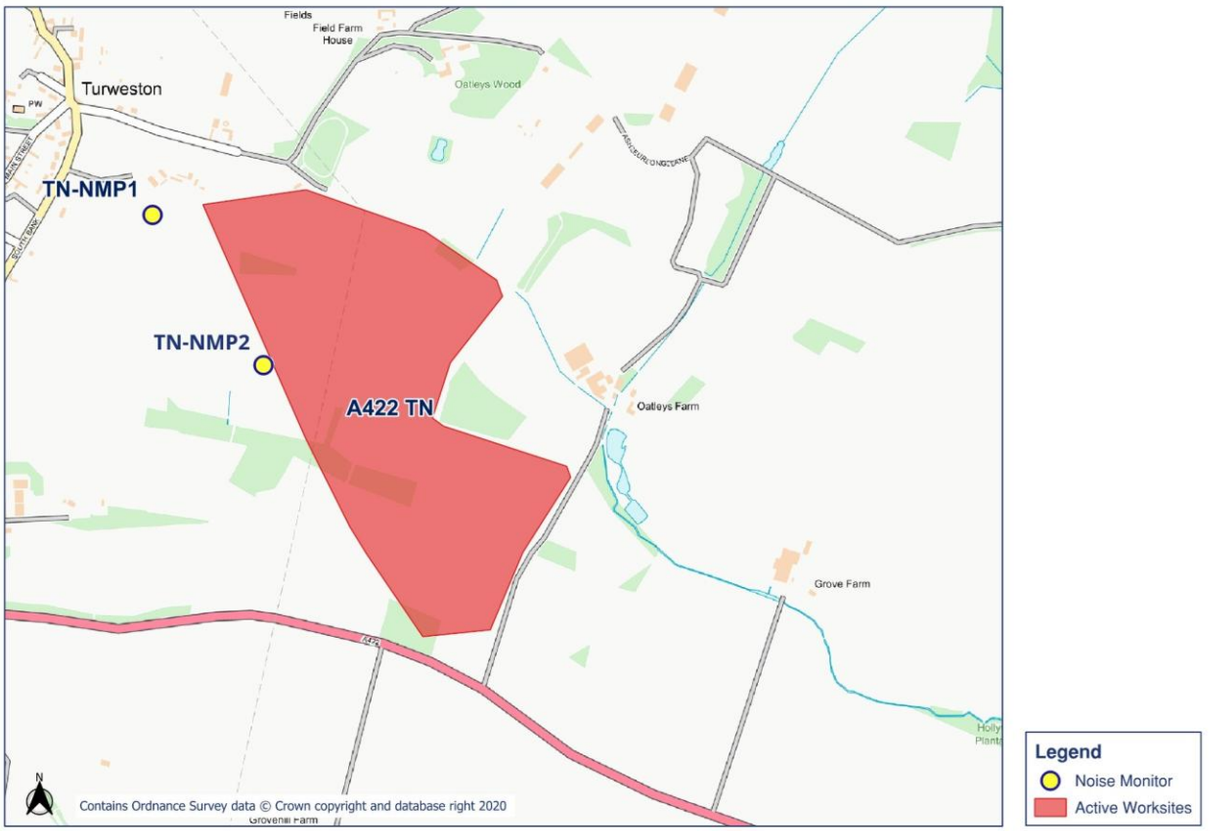


HS2 Worksite Identification Plan - 12



Appendix B Monitoring Locations

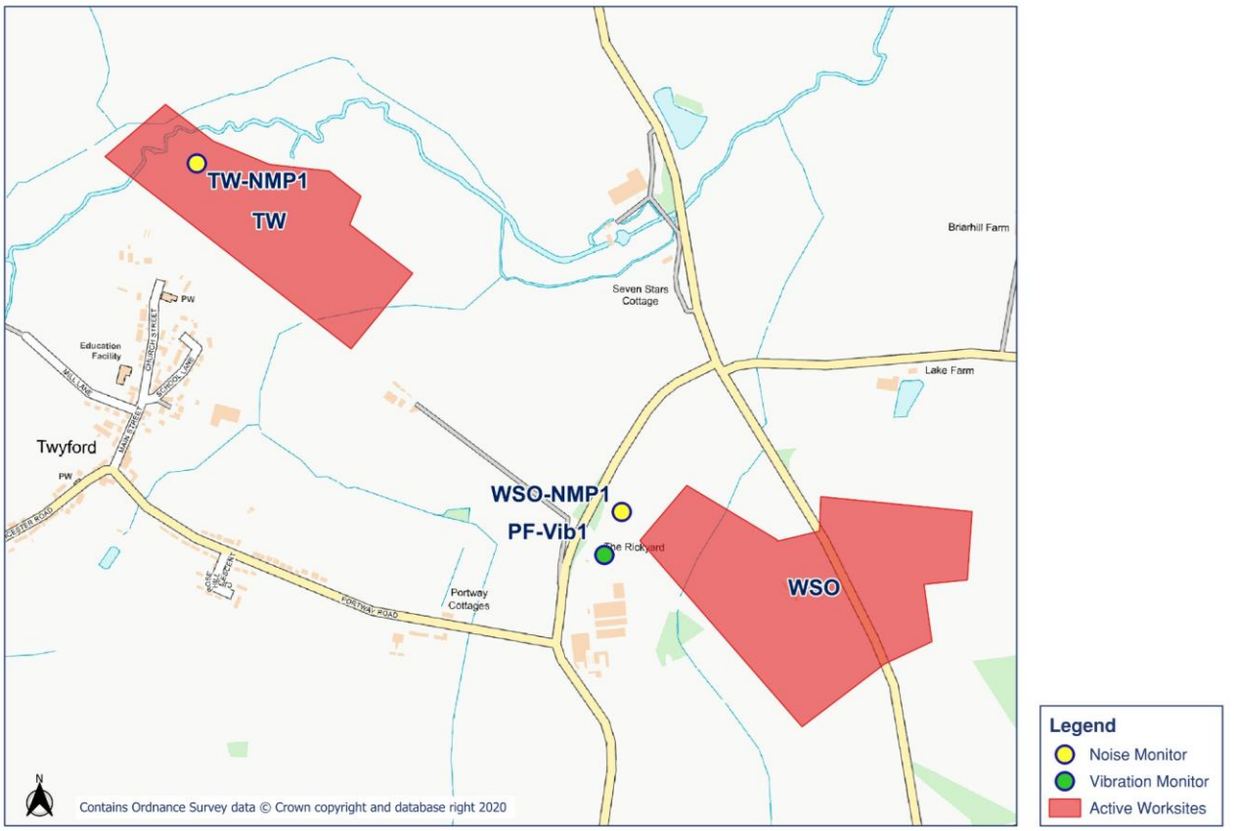
HS2 Noise and Vibration Monitoring Plan - 1



HS2 Noise and Vibration Monitoring Plan - 2

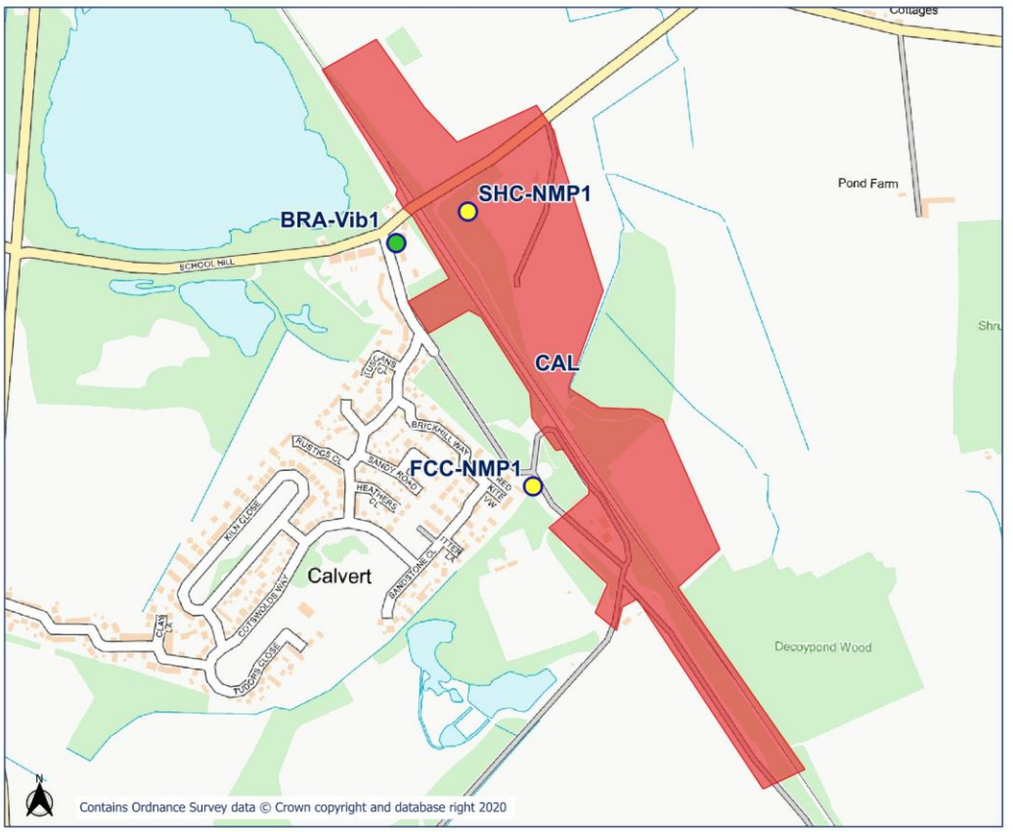


Noise and Vibration Monitoring Plan - 3

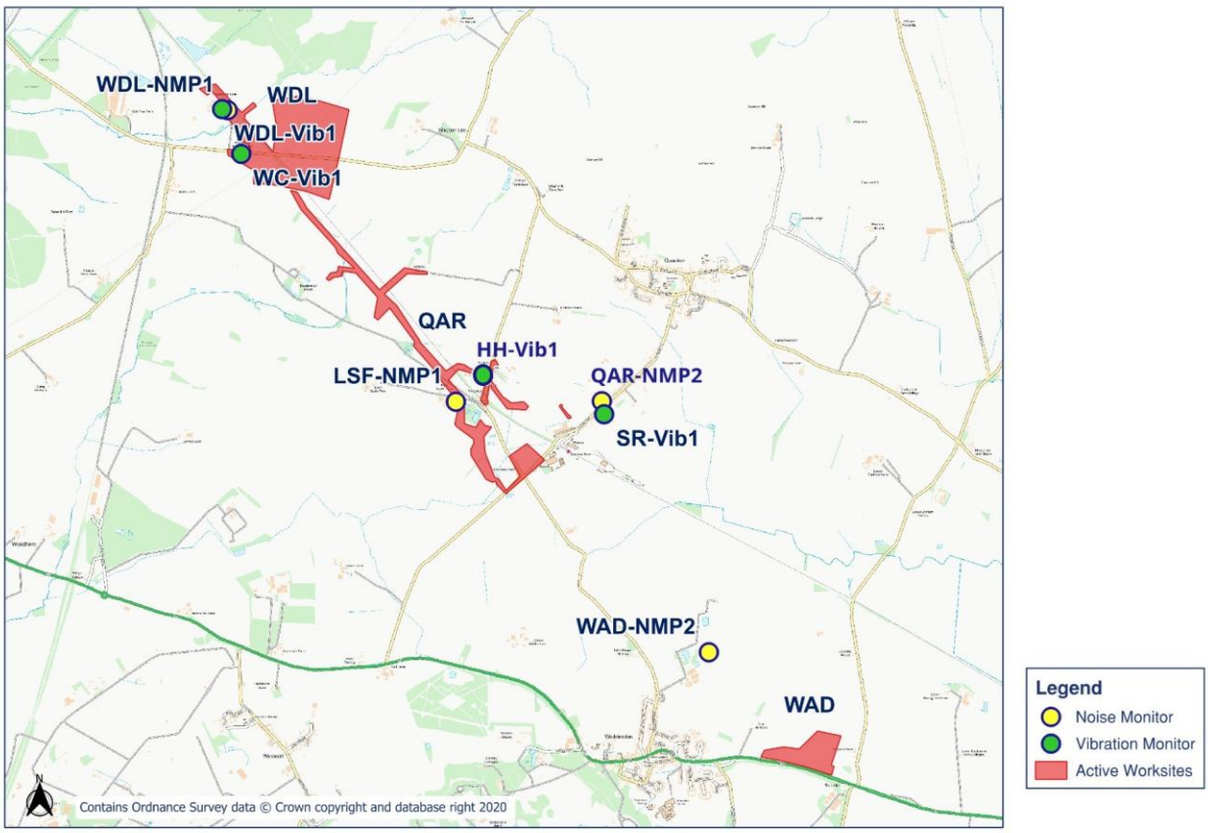


HS2

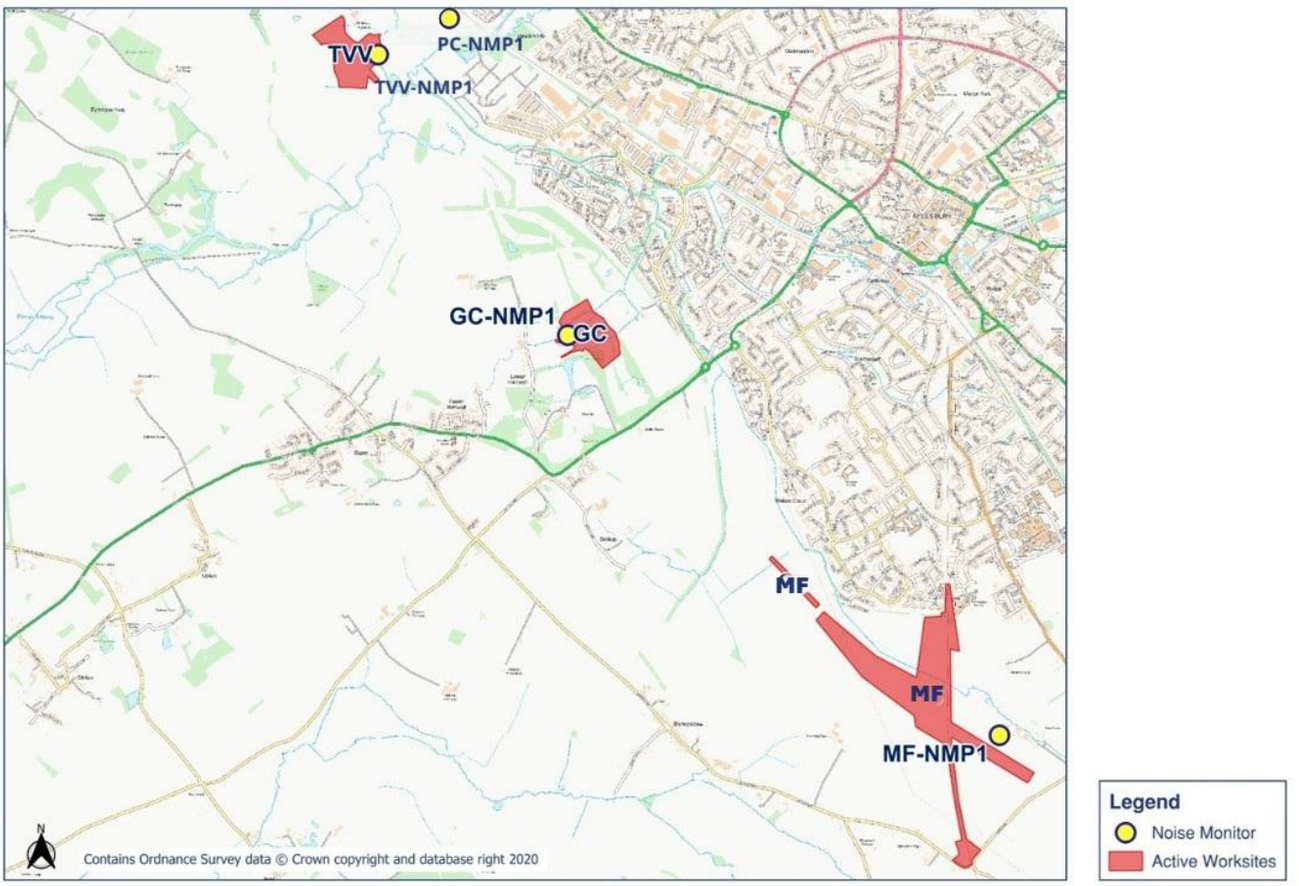
Noise and Vibration Monitoring Plan - 4



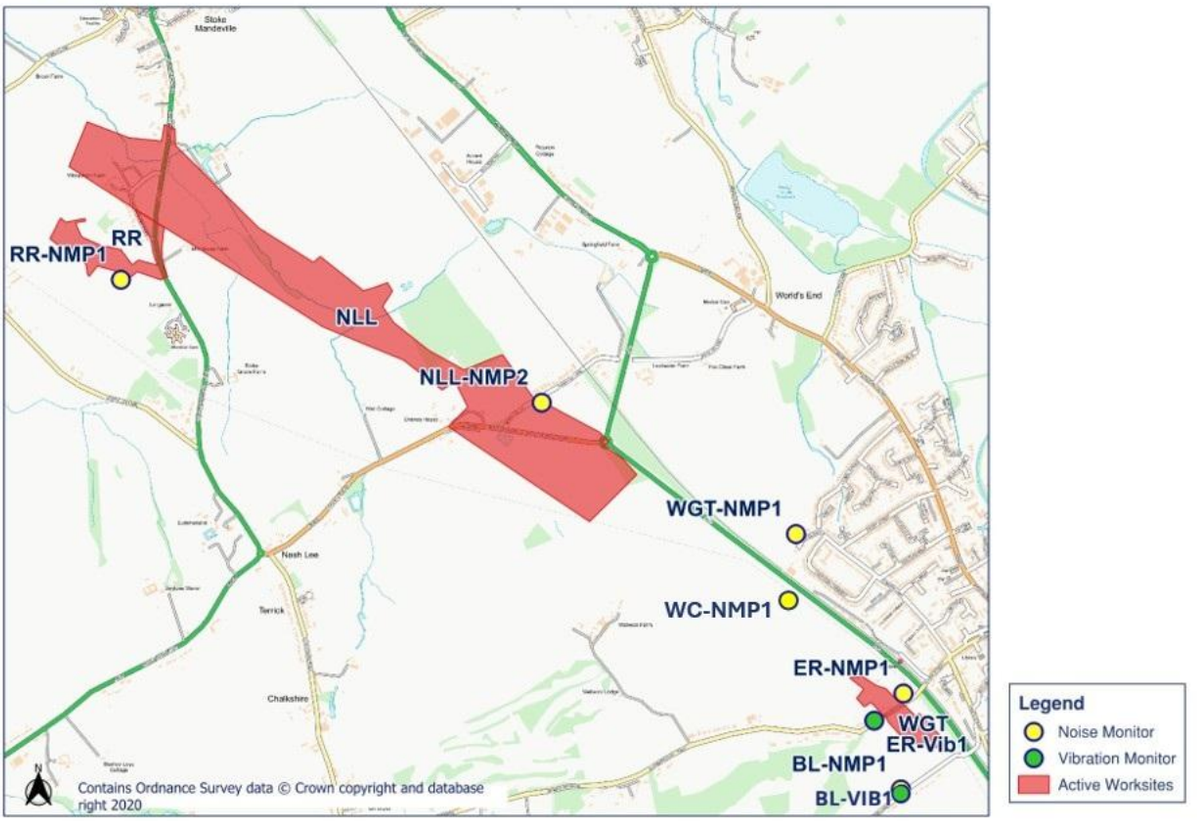
HS2 **Noise and Vibration Monitoring Plan - 5**

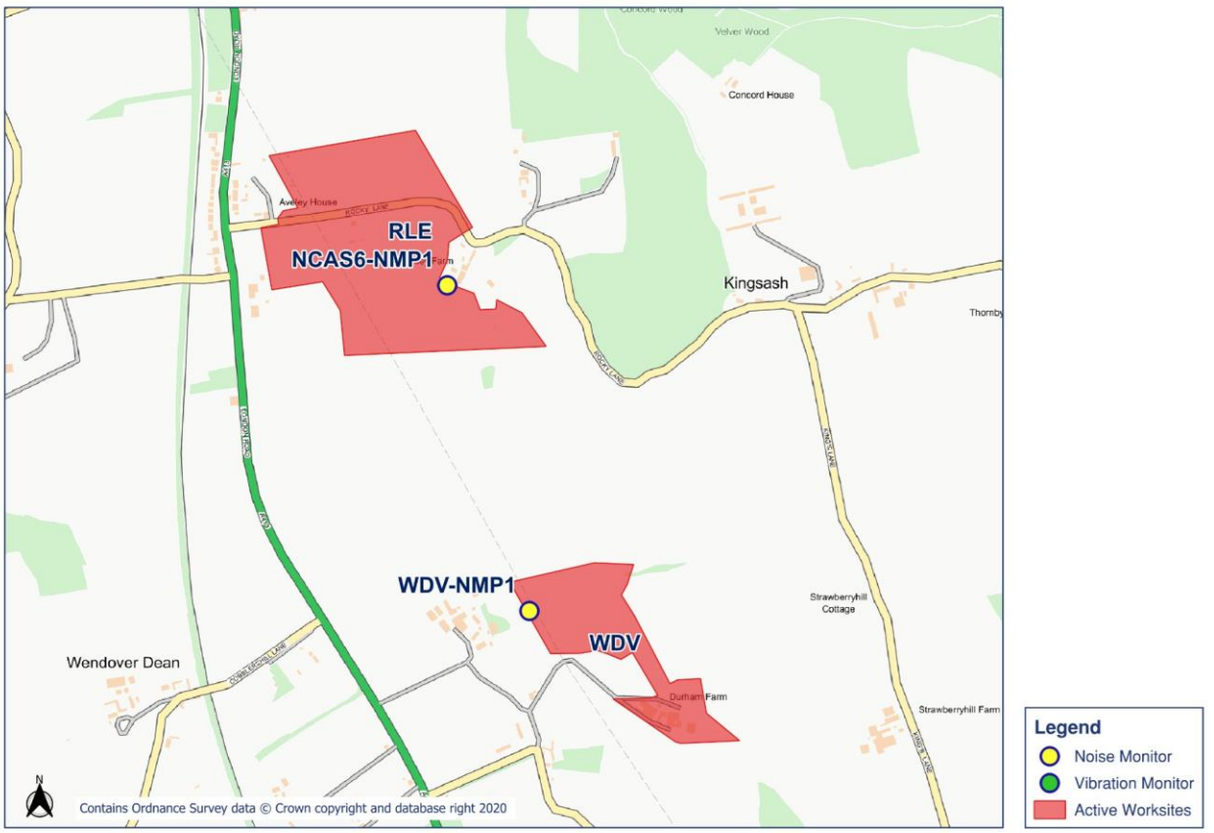


HS2 Noise and Vibration Monitoring Plan - 6

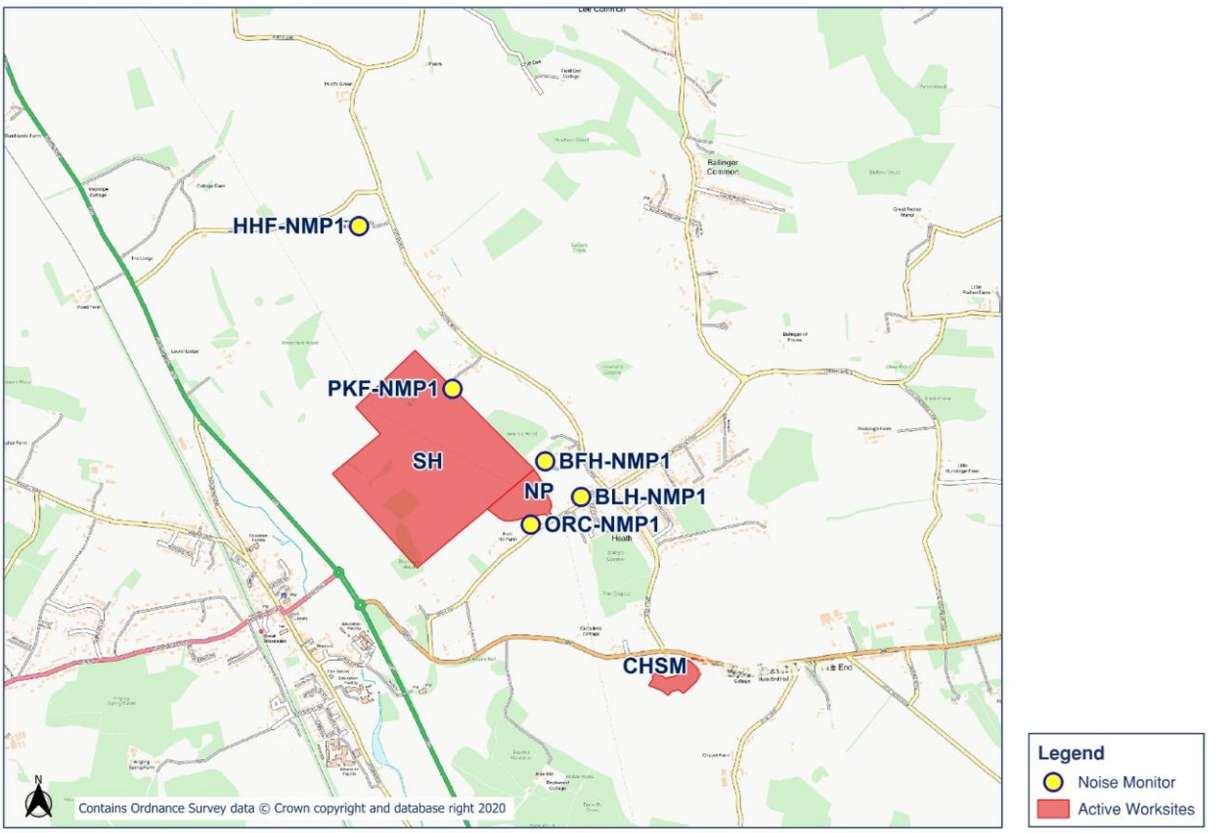


HS2 Noise and Vibration Monitoring Plan - 7

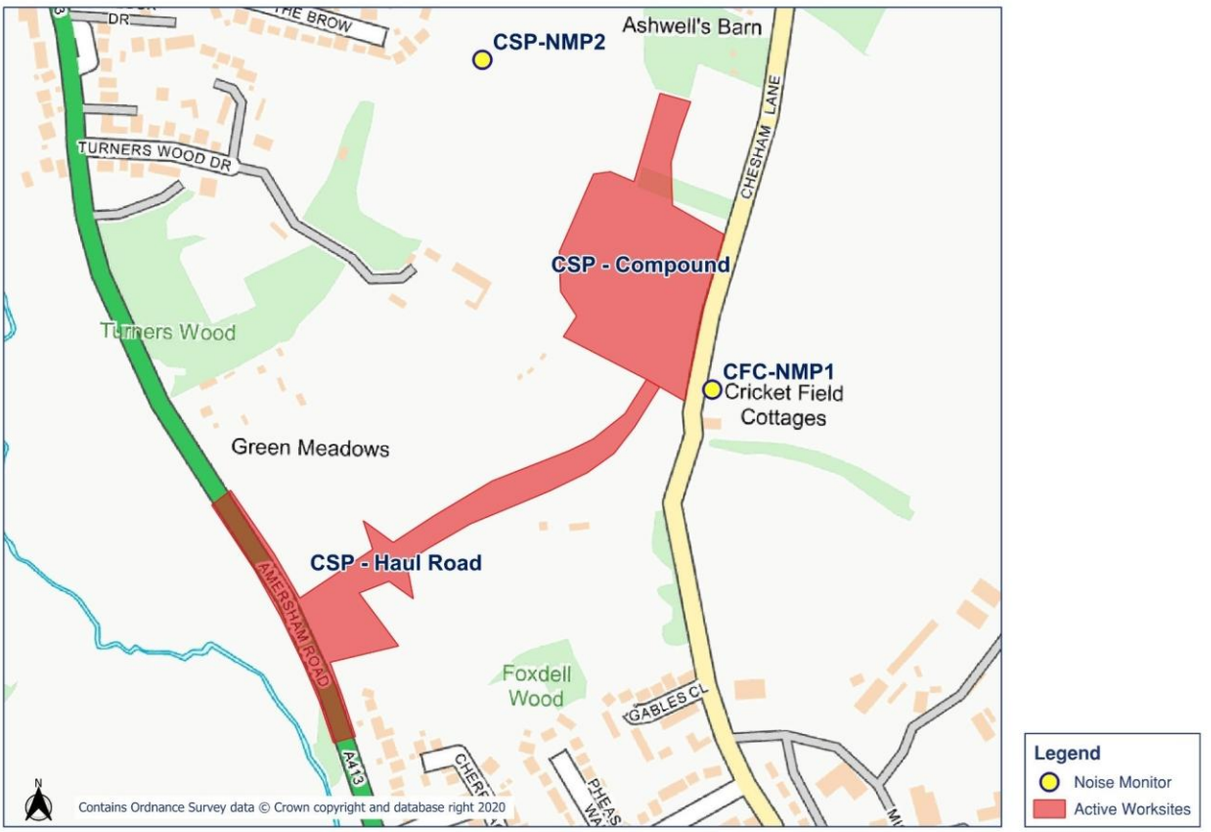



Velver Wood
Concord House
Rocky Lane
RLE
NCAS6-NMP1
Kingsash
Thornby
Wendover Dean
WDV-NMP1
WDV
Strawberryhill Cottage
Durham Farm
Strawberryhill Farm
Contains Ordnance Survey data © Crown copyright and database right 2020
Legend
Noise Monitor
Vibration Monitor
Active Worksites

HS2 Noise and Vibration Monitoring Plan - 9



HS2 Noise and Vibration Monitoring Plan - 10

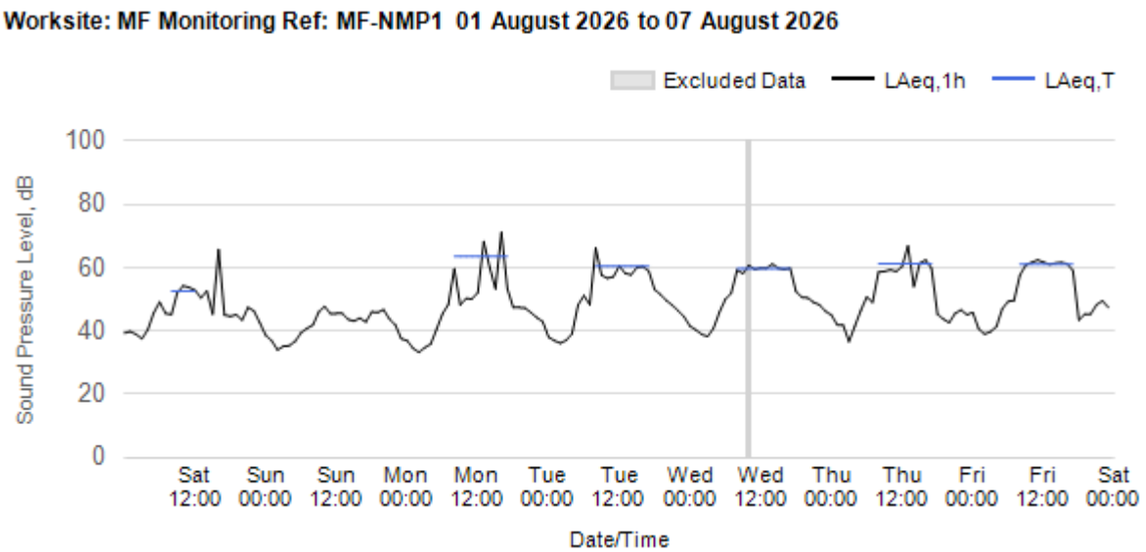


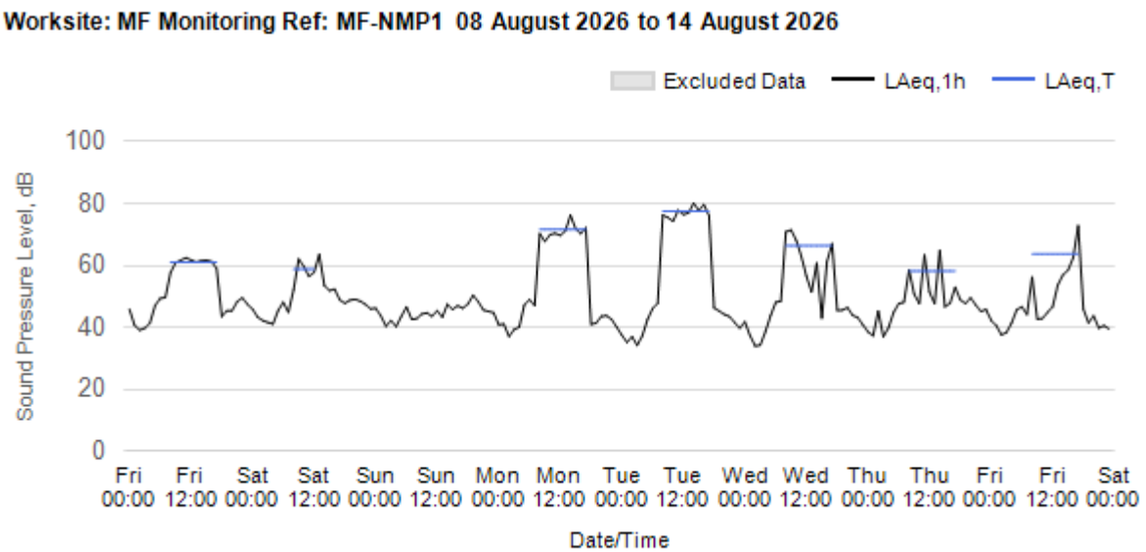
Appendix C Data

Noise

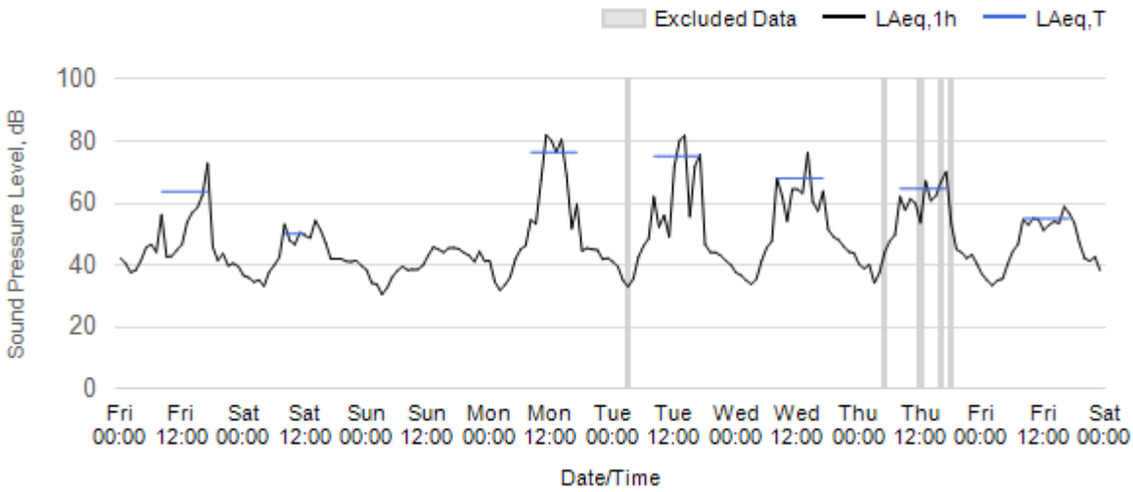
The following graphs show the hourly measured ambient noise level LAeq,1h and, where relevant, the averaged noise level LAeq,T values, where the time period T is as specified in Table 1 of HS2 Information Paper E23. Periods where noise levels are adversely affected by weather or only measured for part 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

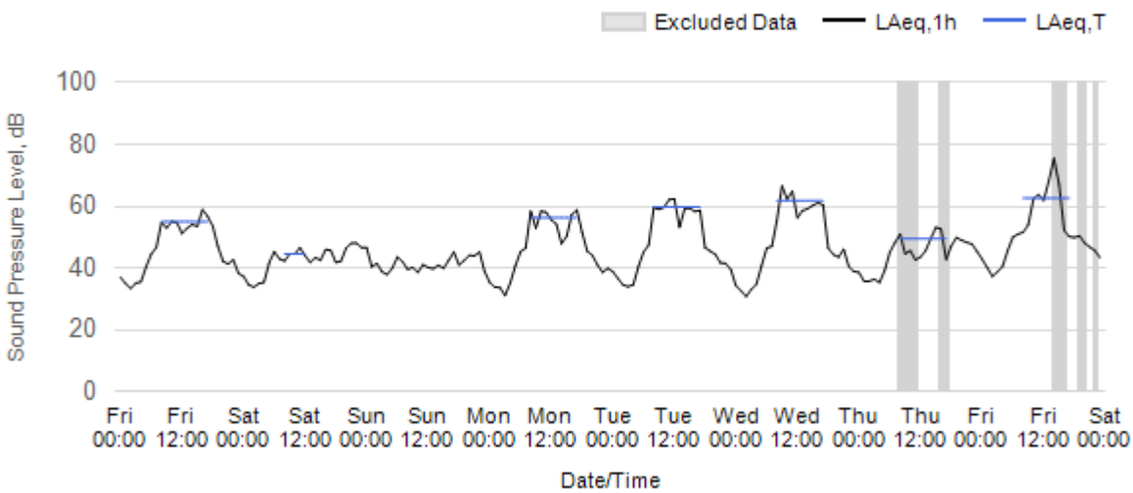




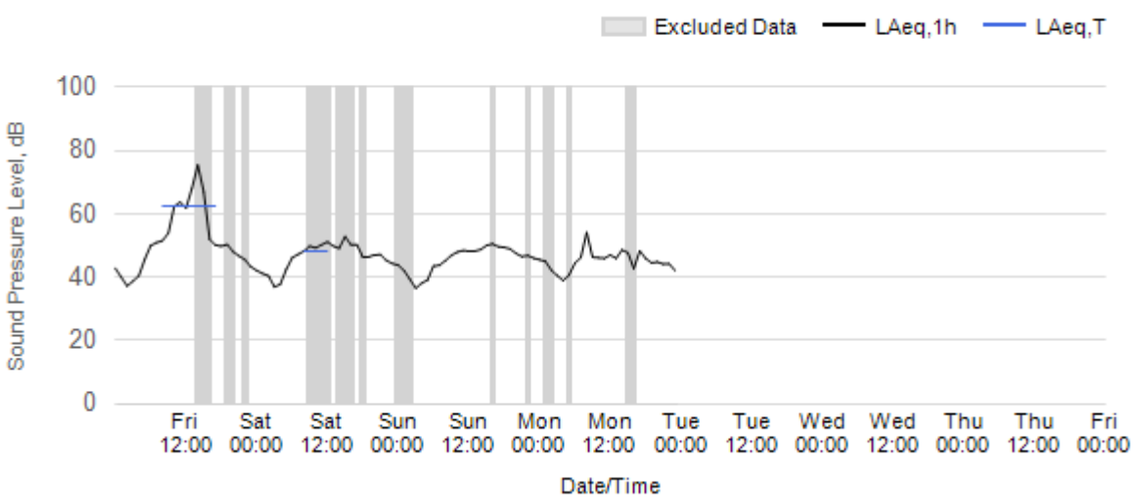
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Worksite: MF Monitoring Ref: MF-NMP1 22 August 2026 to 28 August 2026

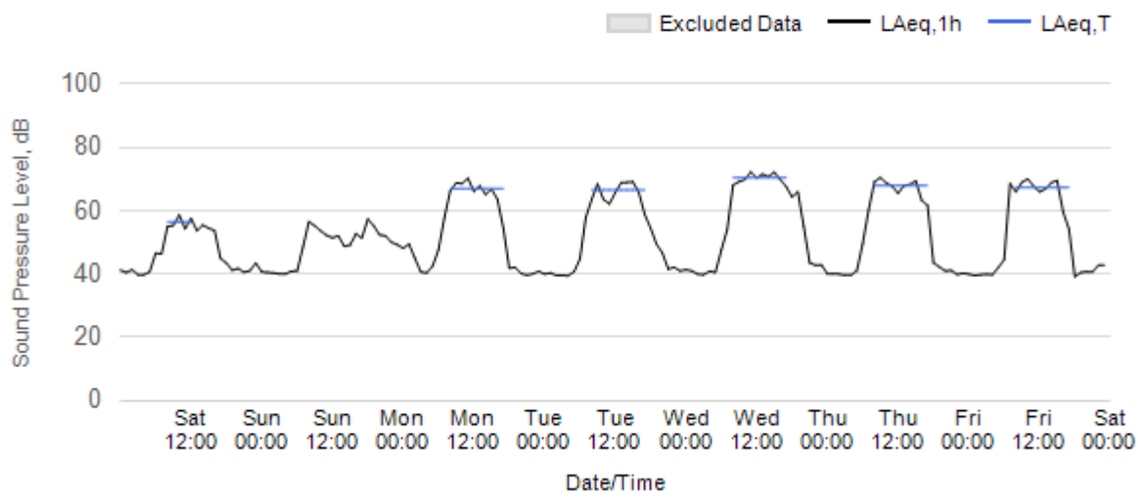


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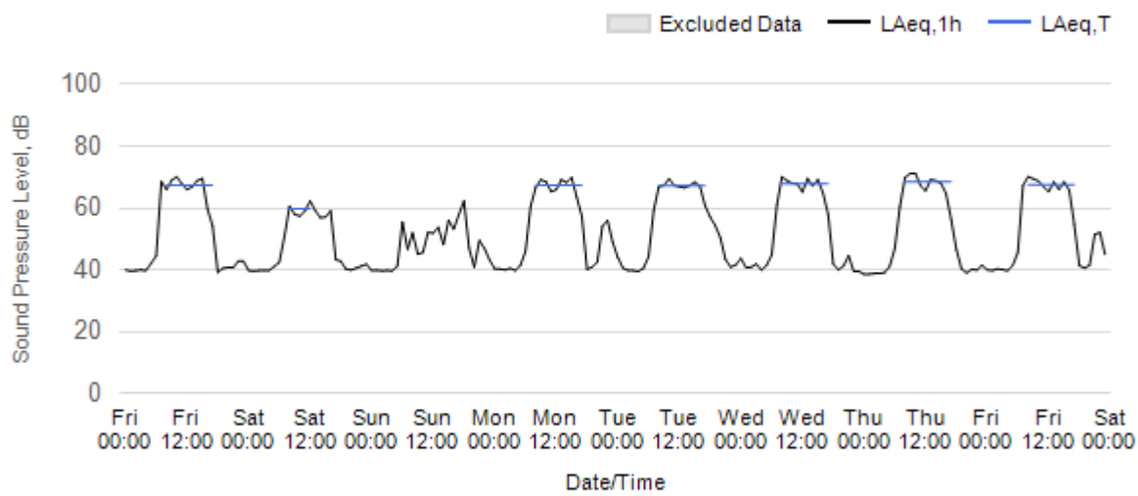


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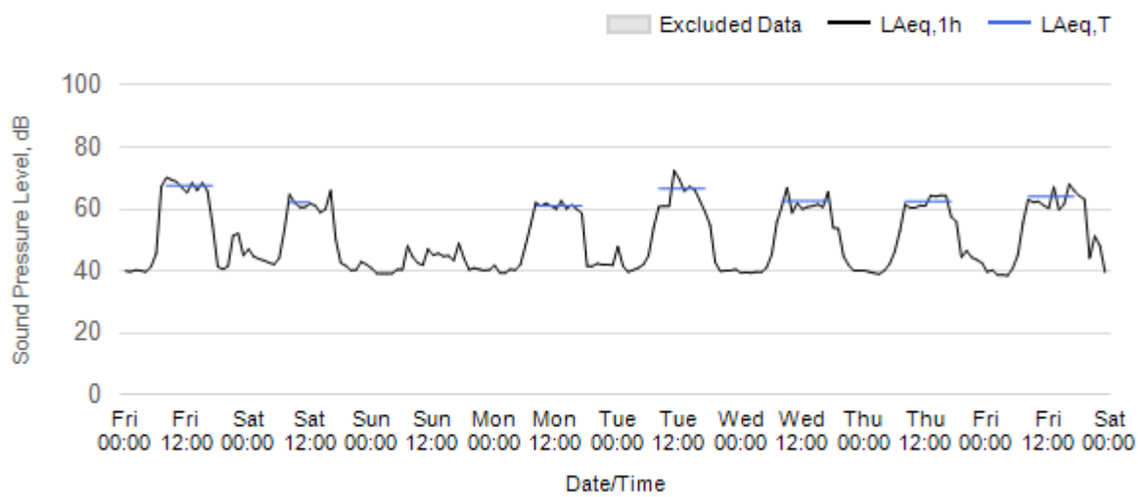
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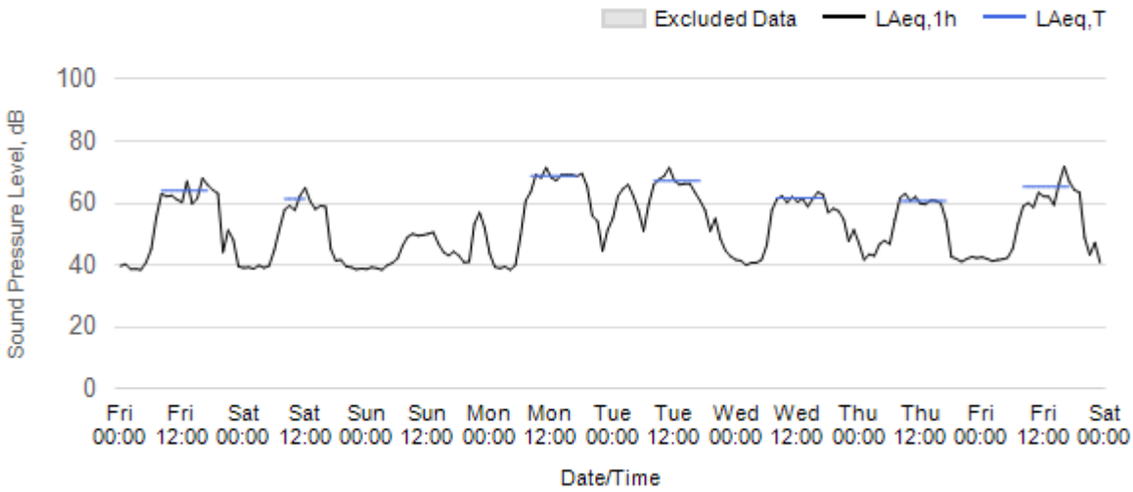
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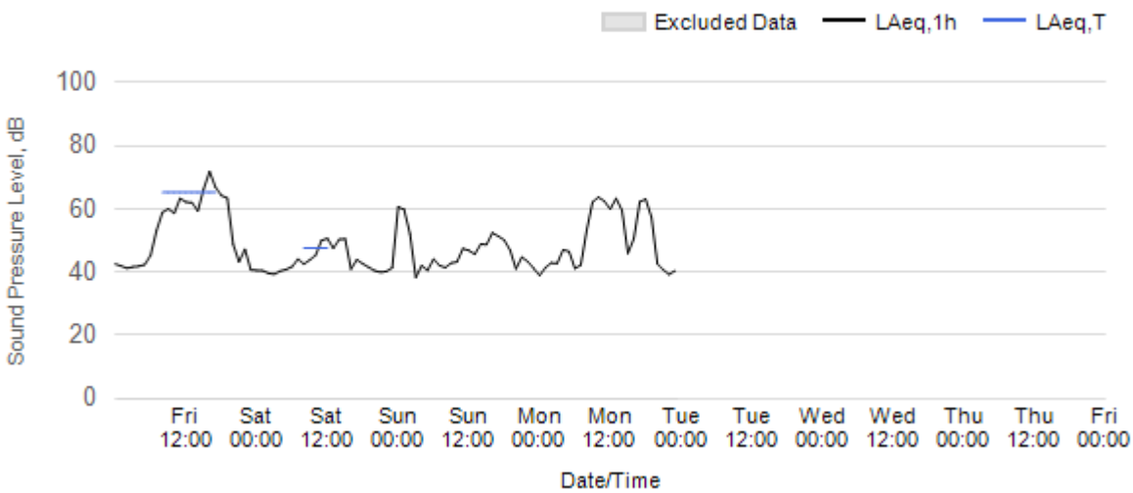
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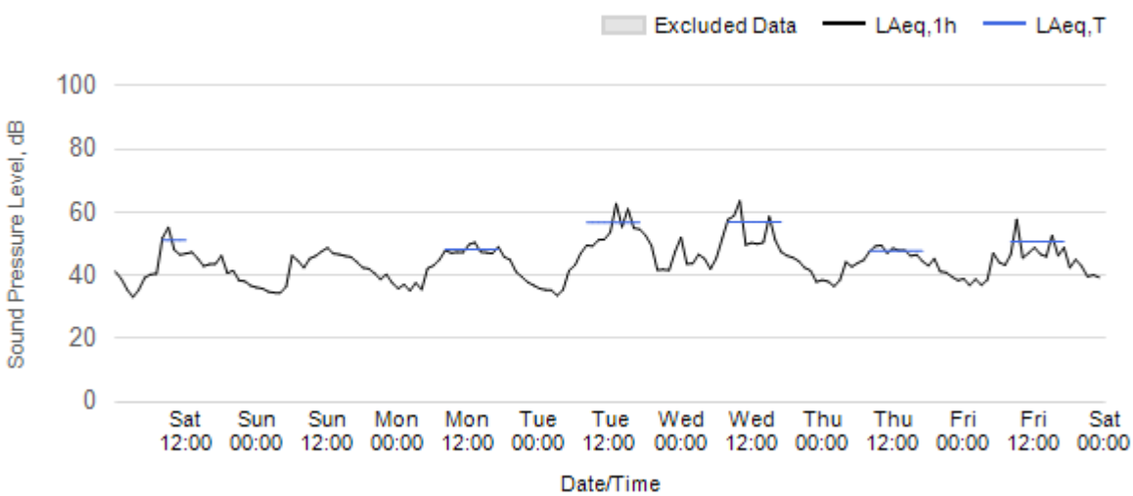


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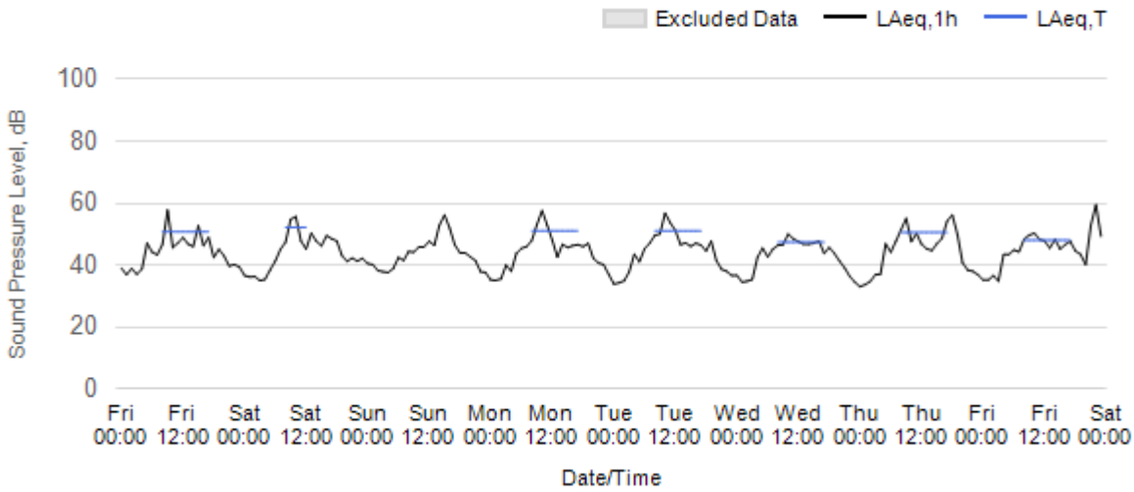


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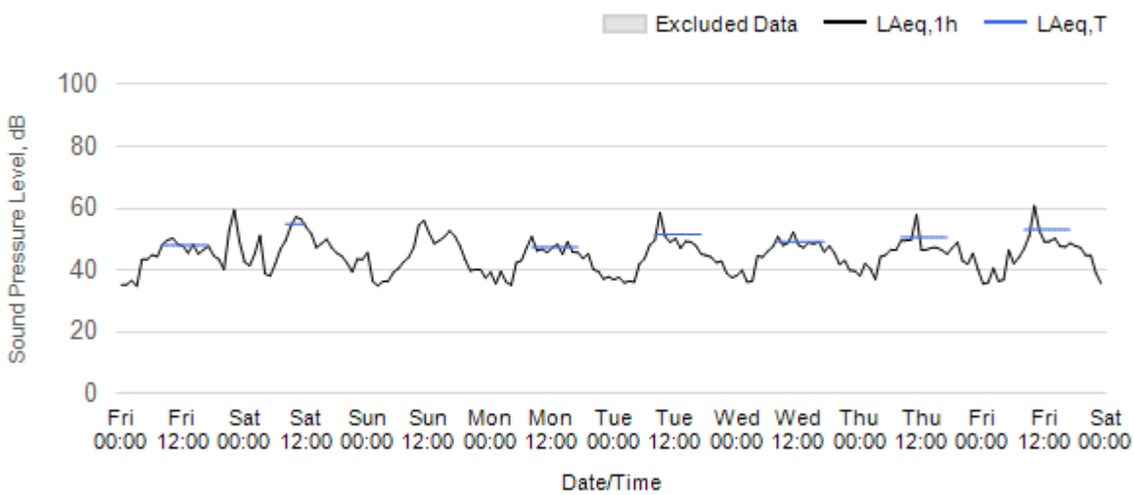
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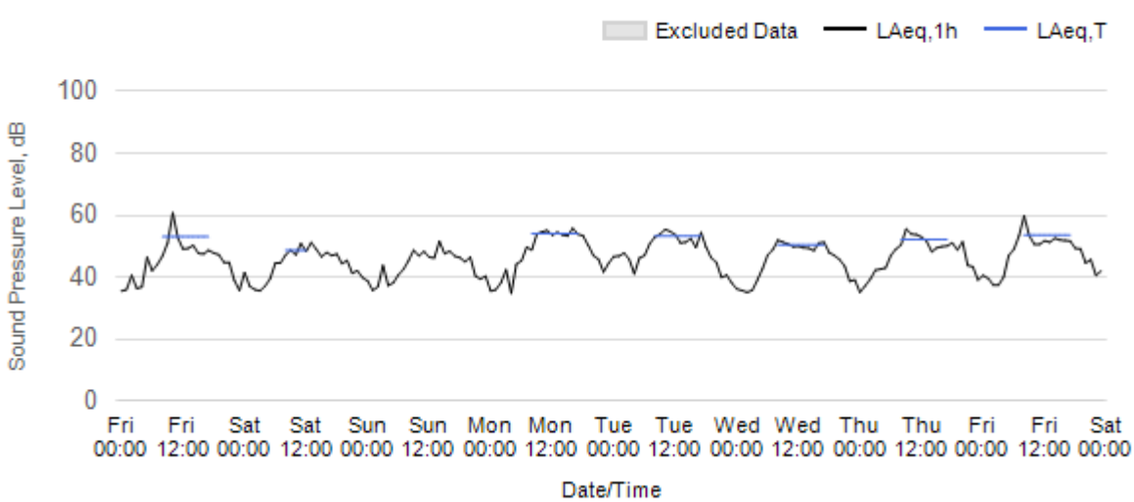
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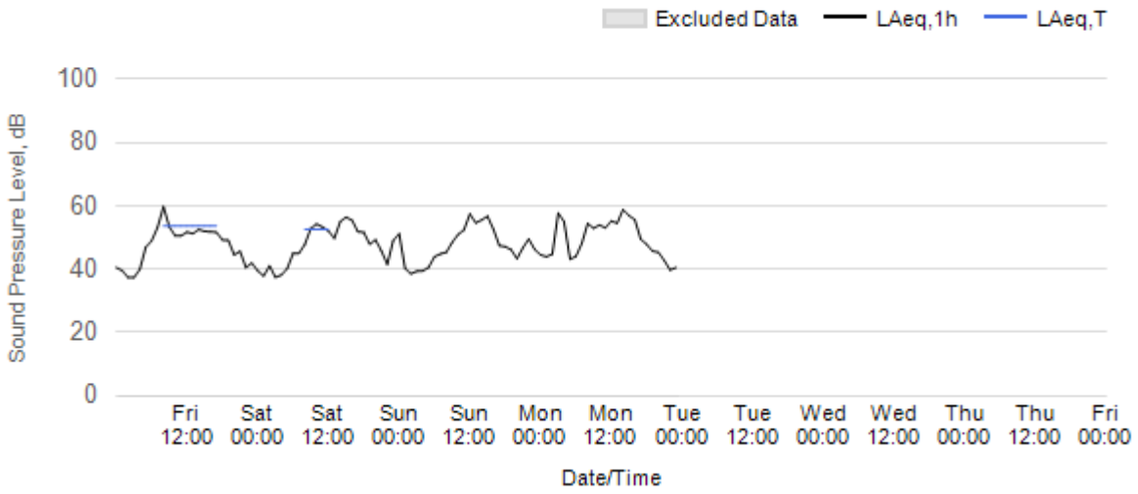
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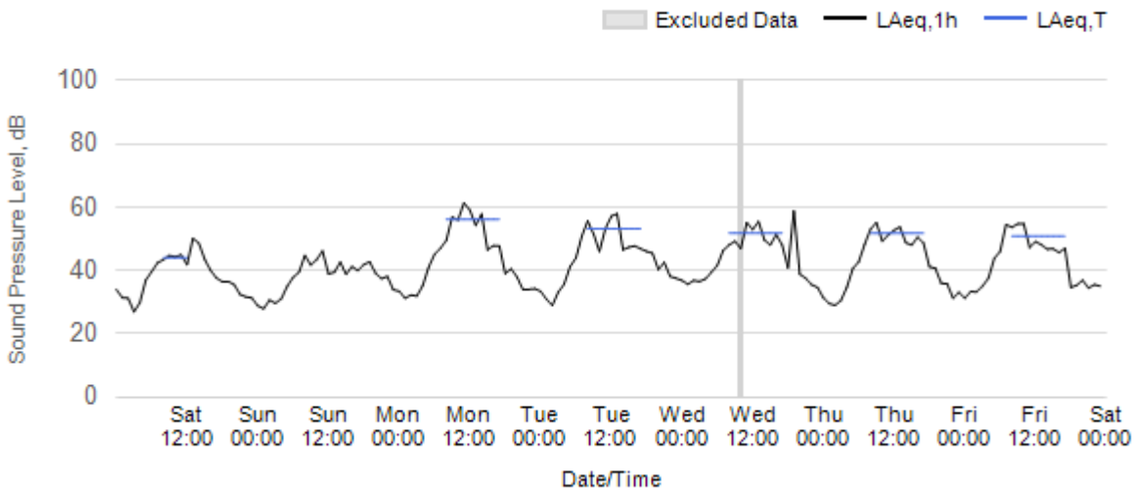


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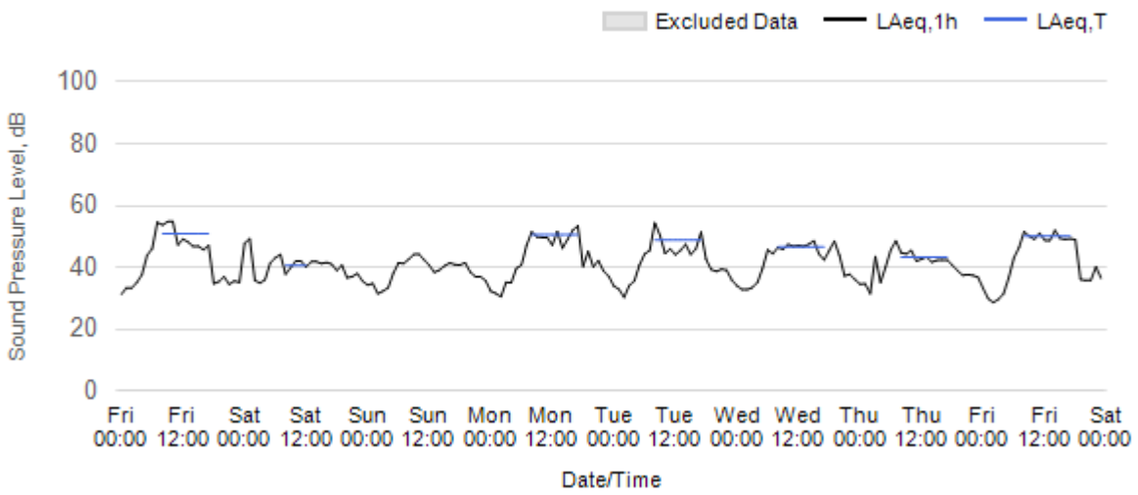


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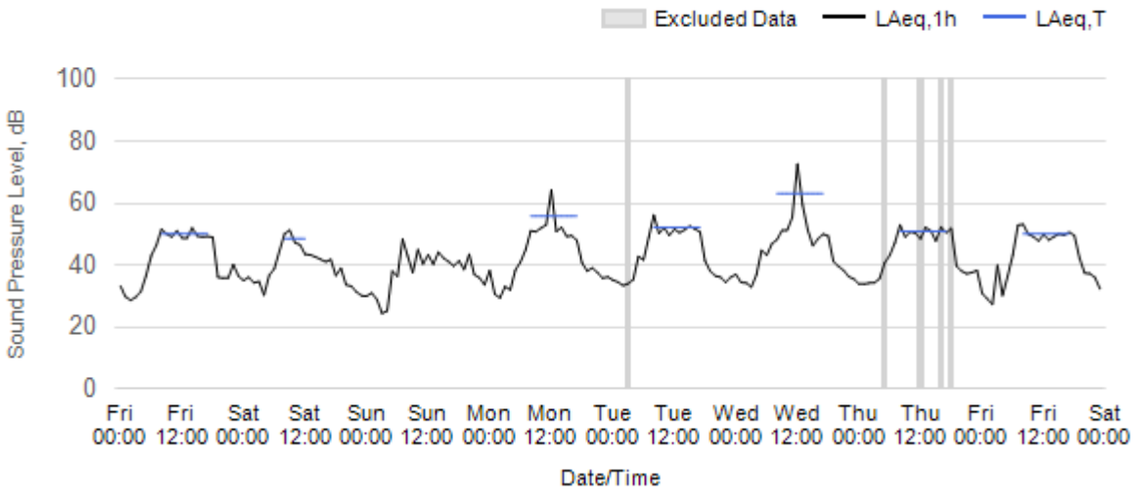
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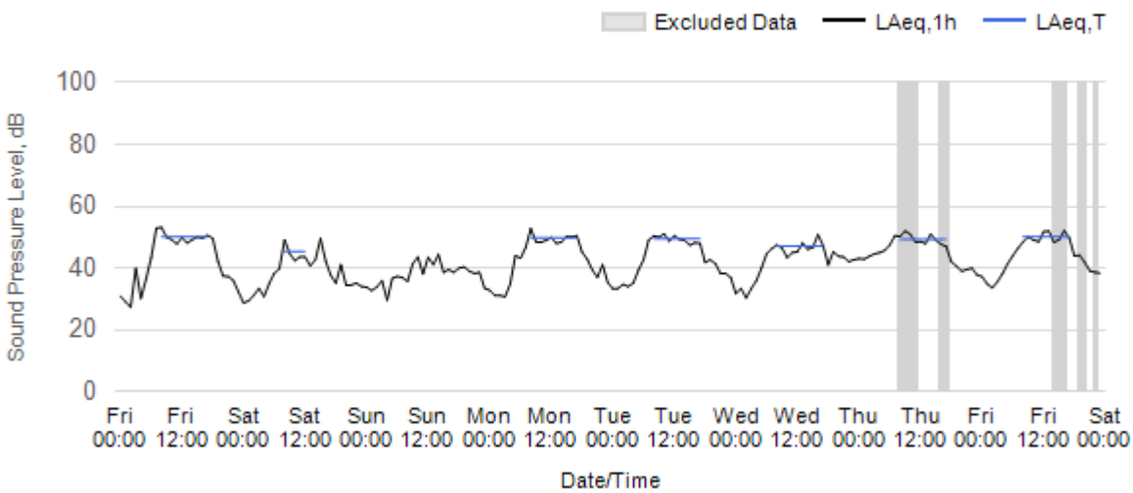
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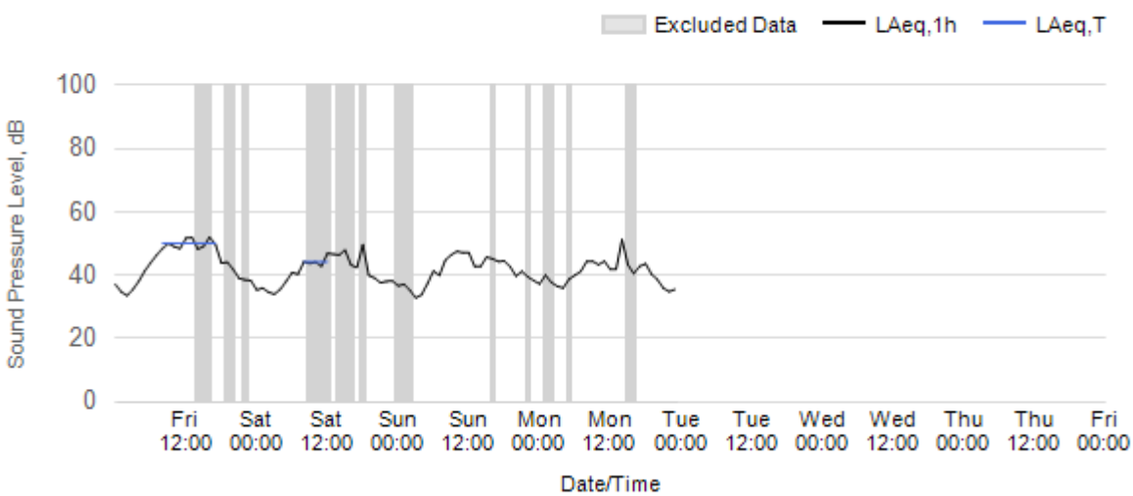
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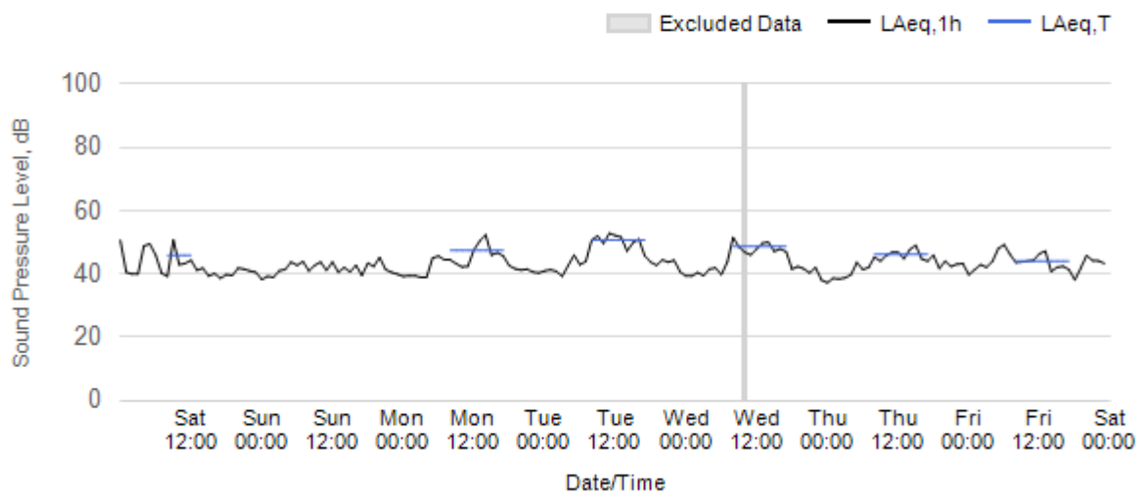


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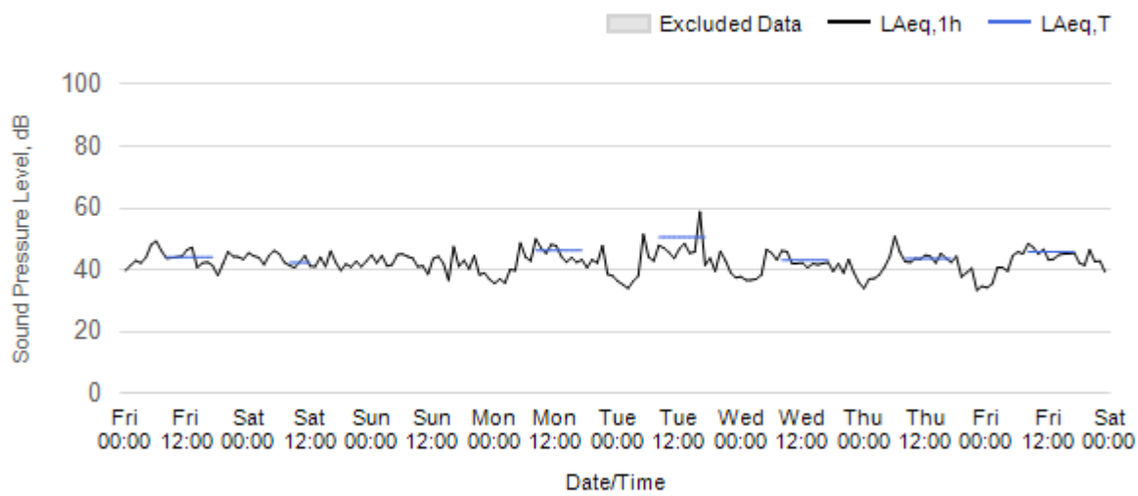


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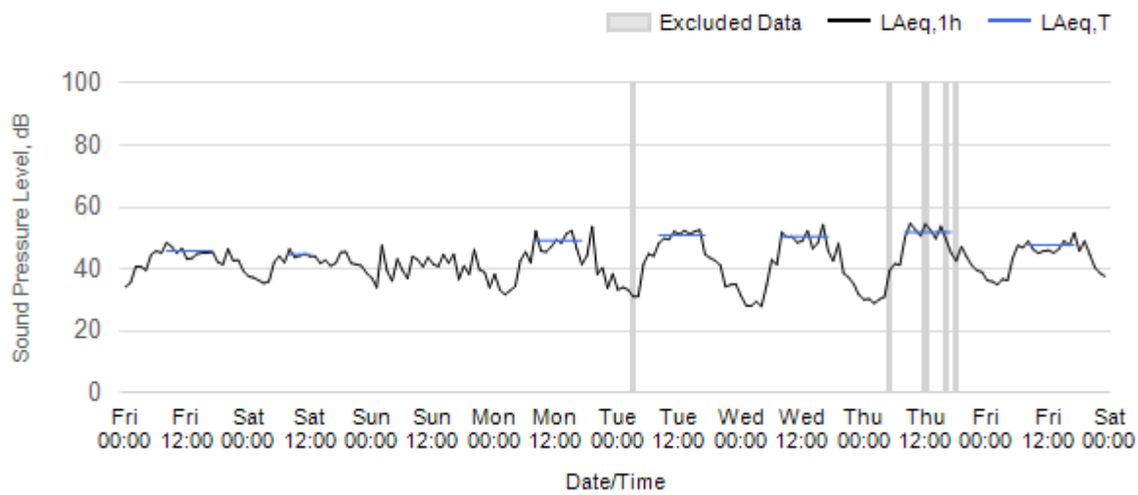
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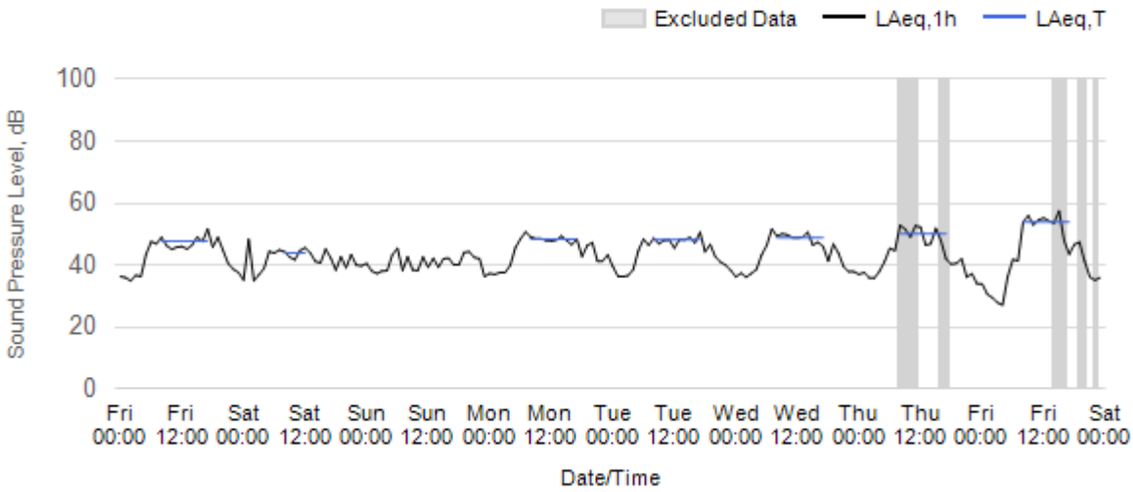
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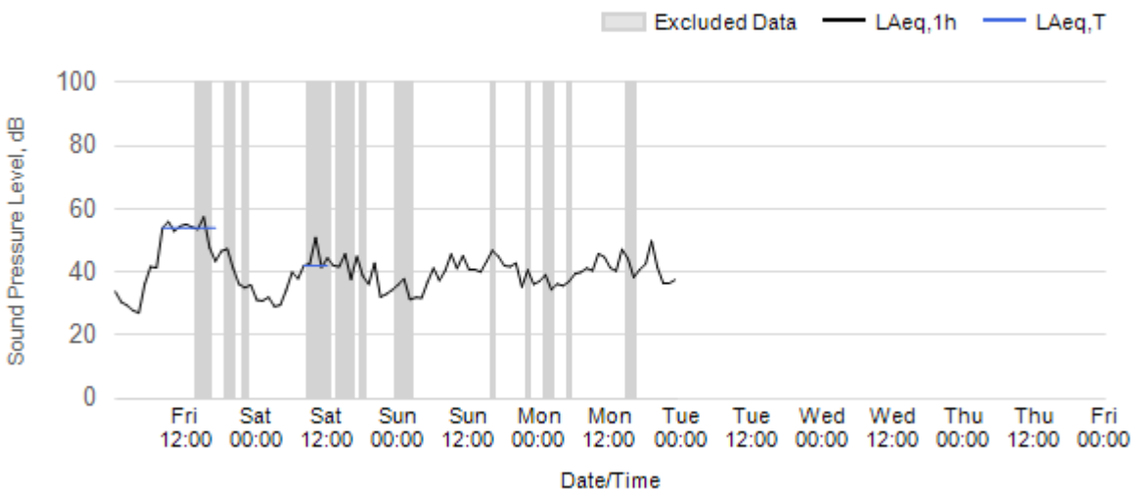
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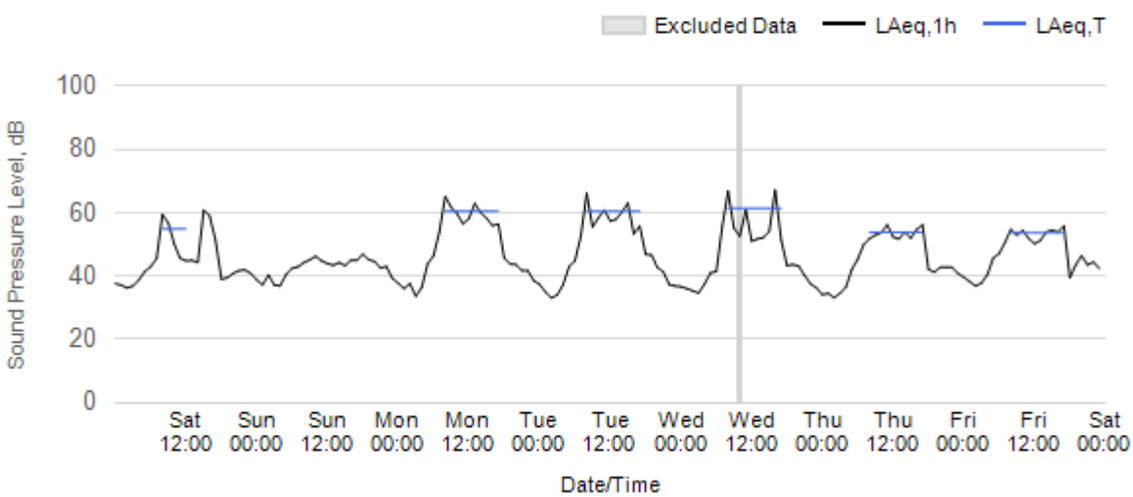


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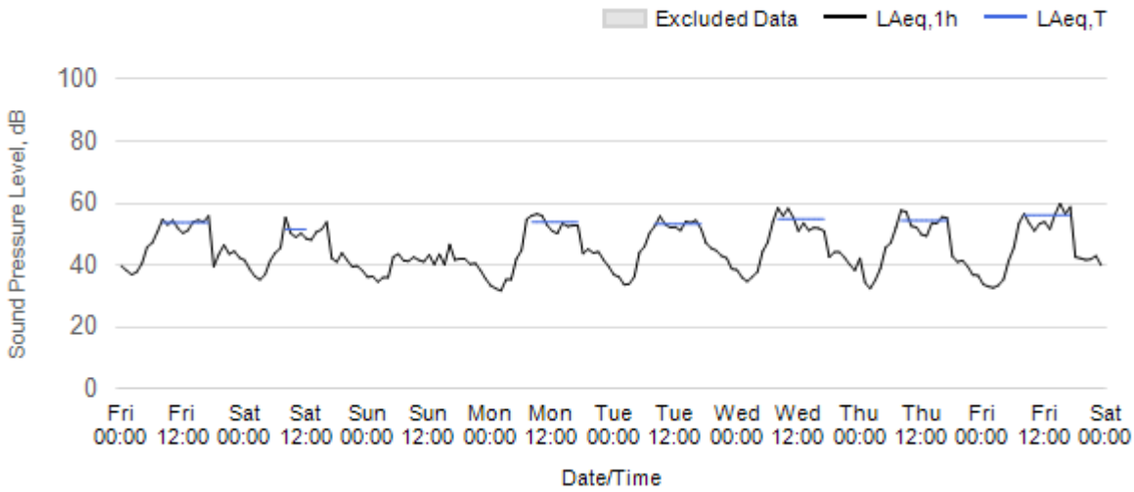


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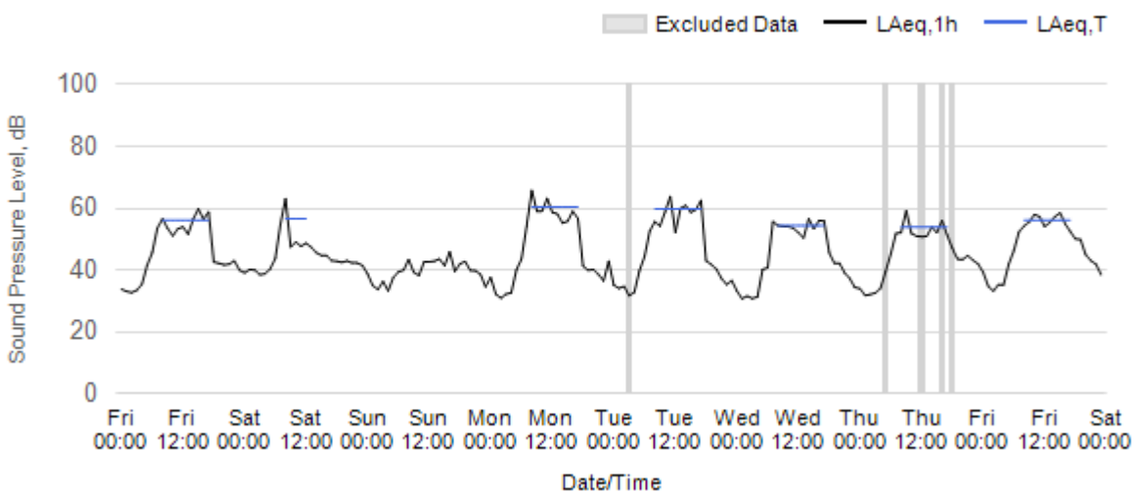
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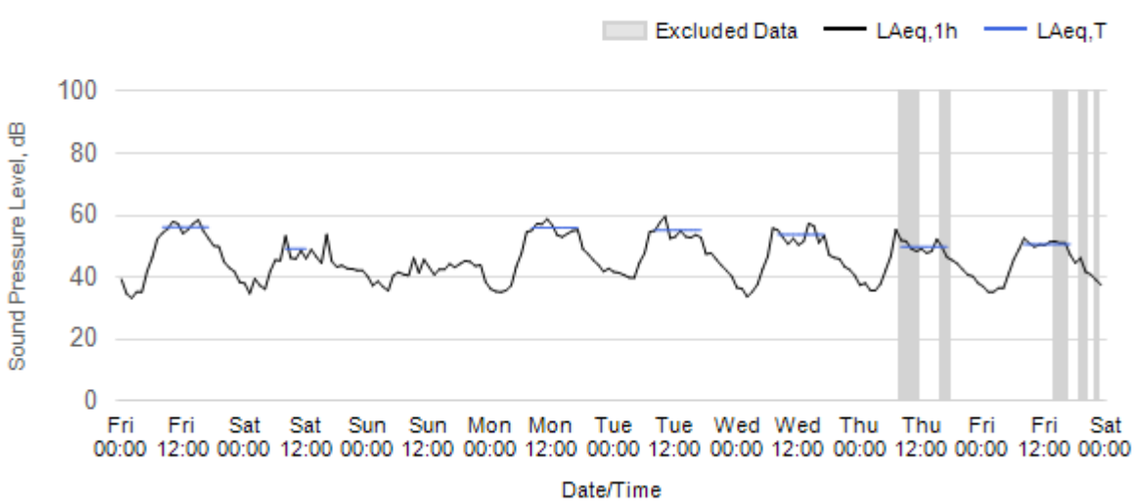
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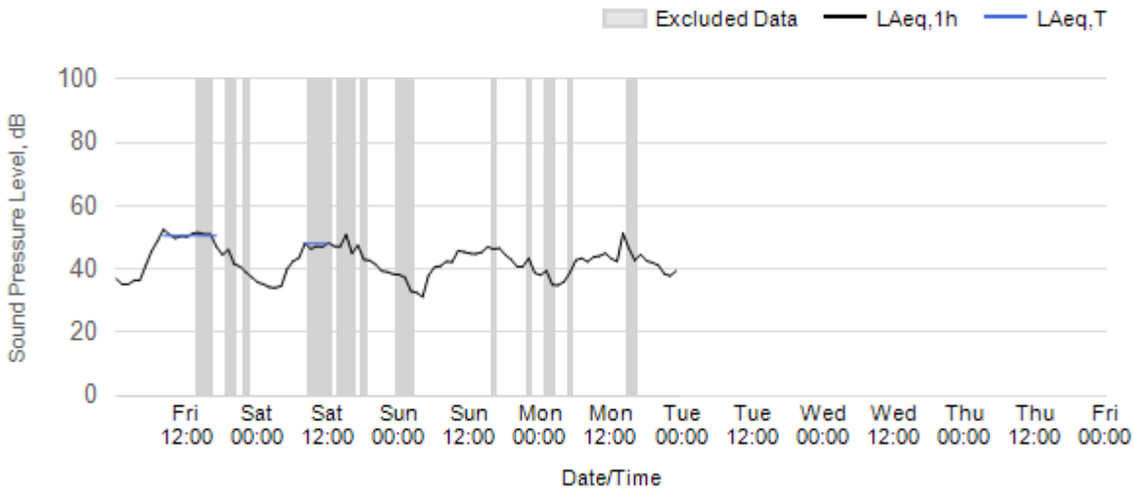
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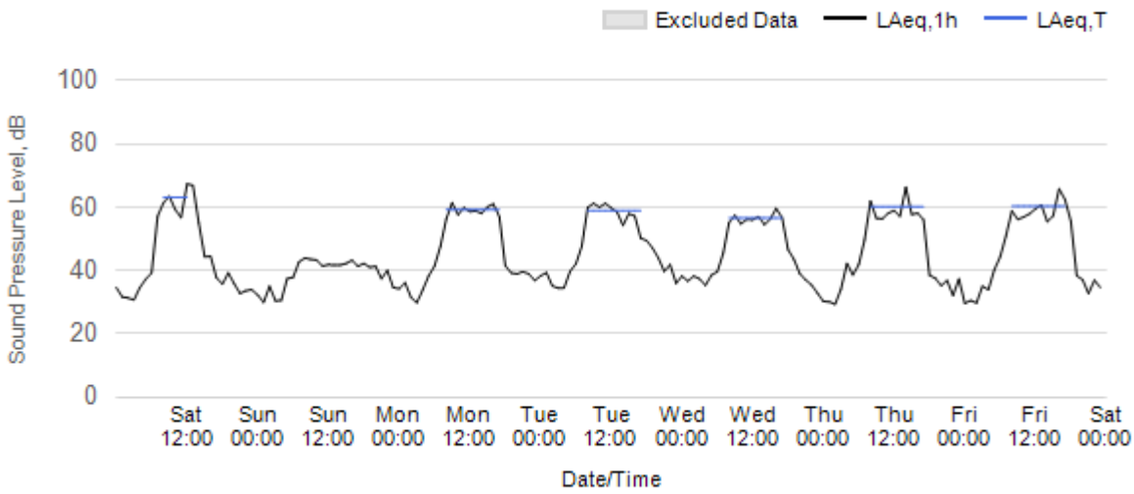


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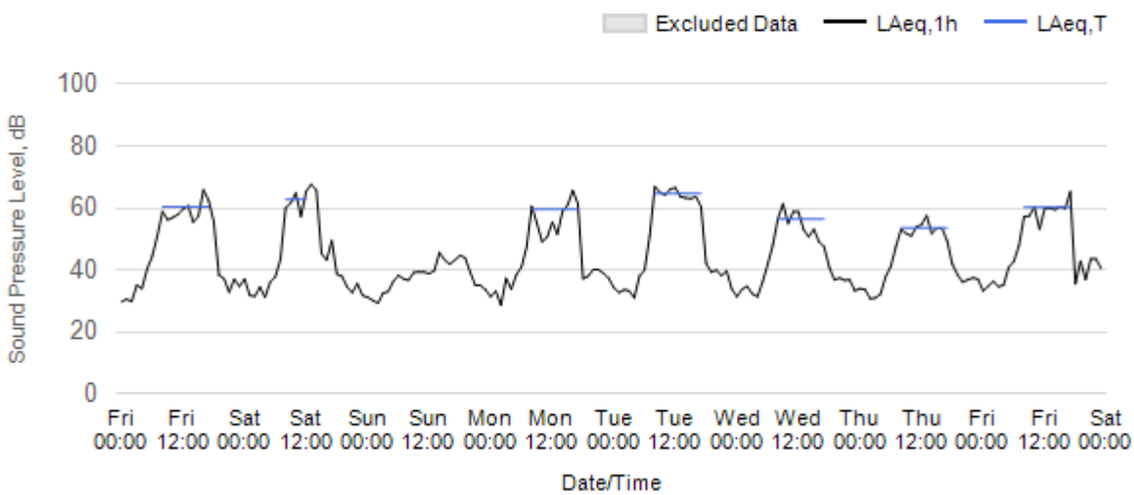


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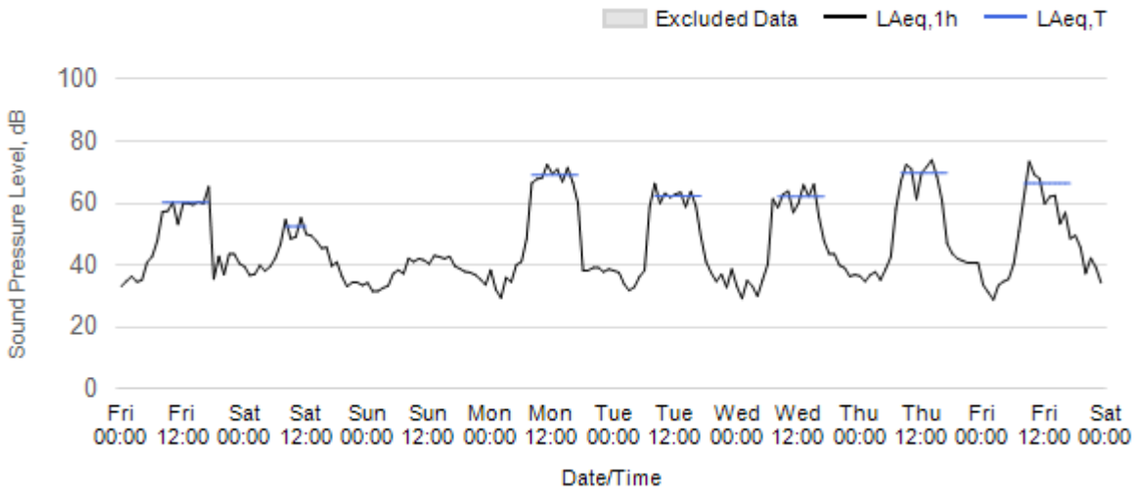
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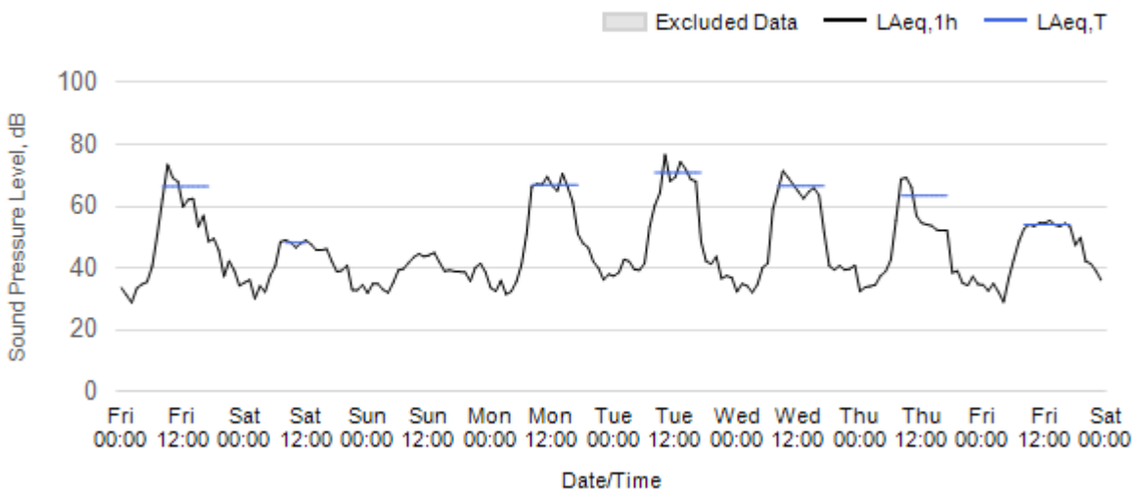
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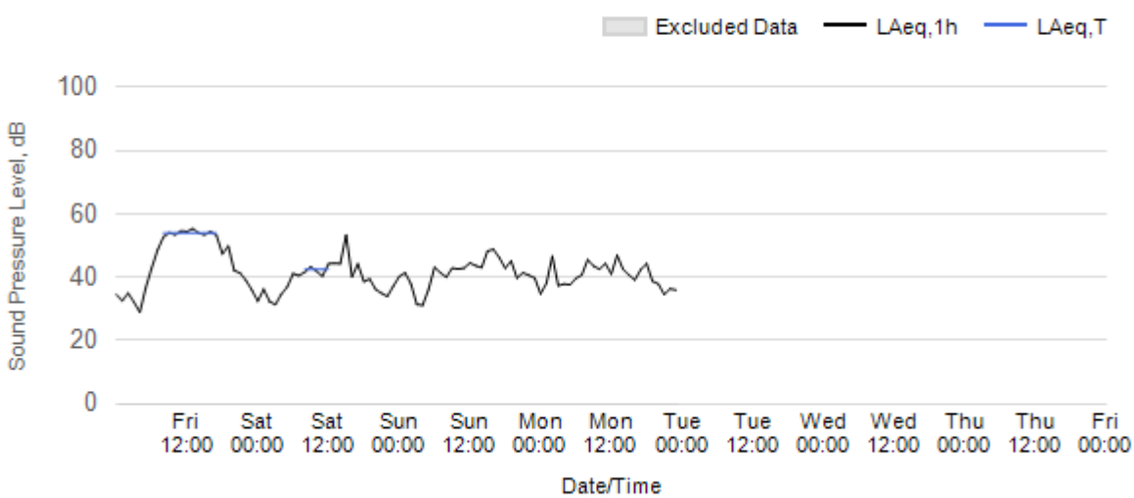
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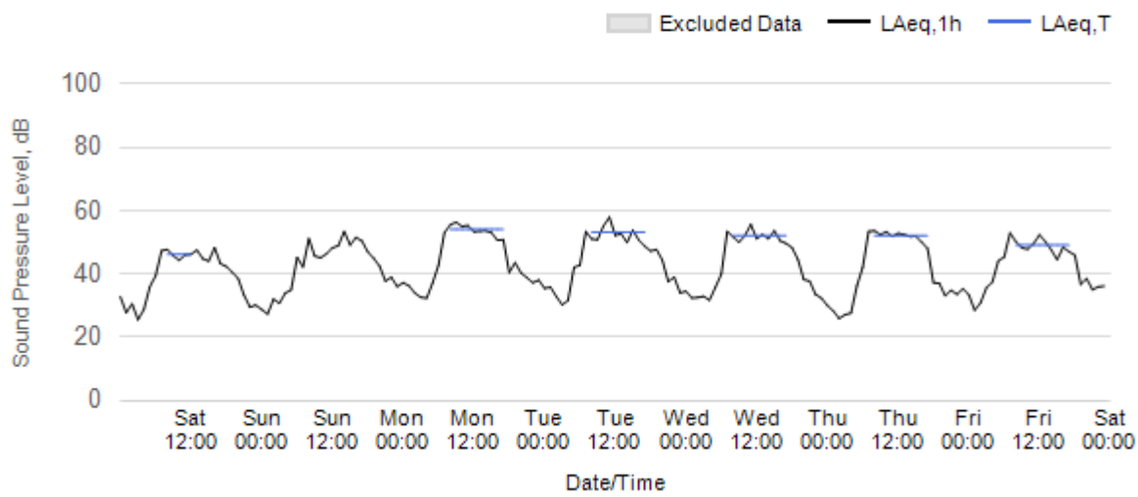


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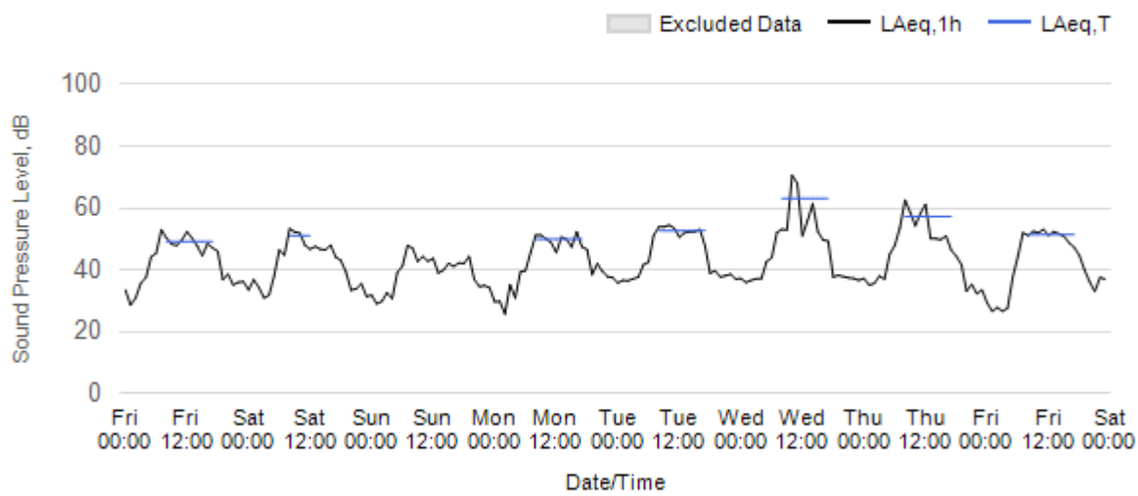


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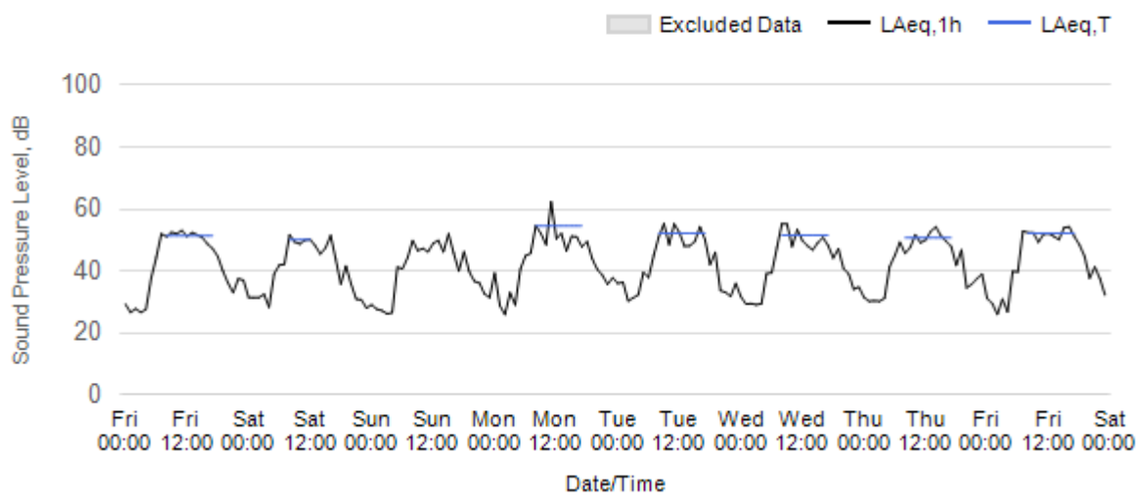
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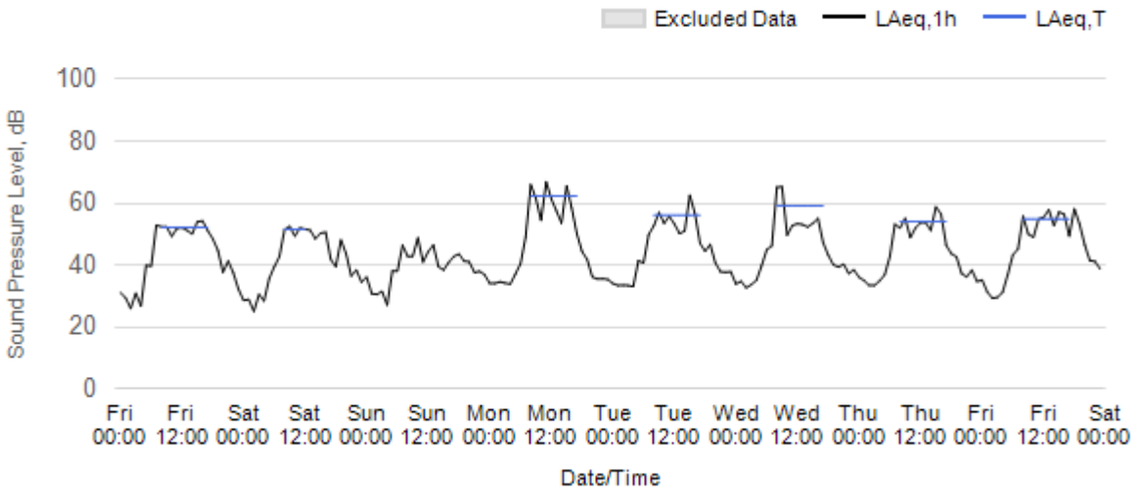
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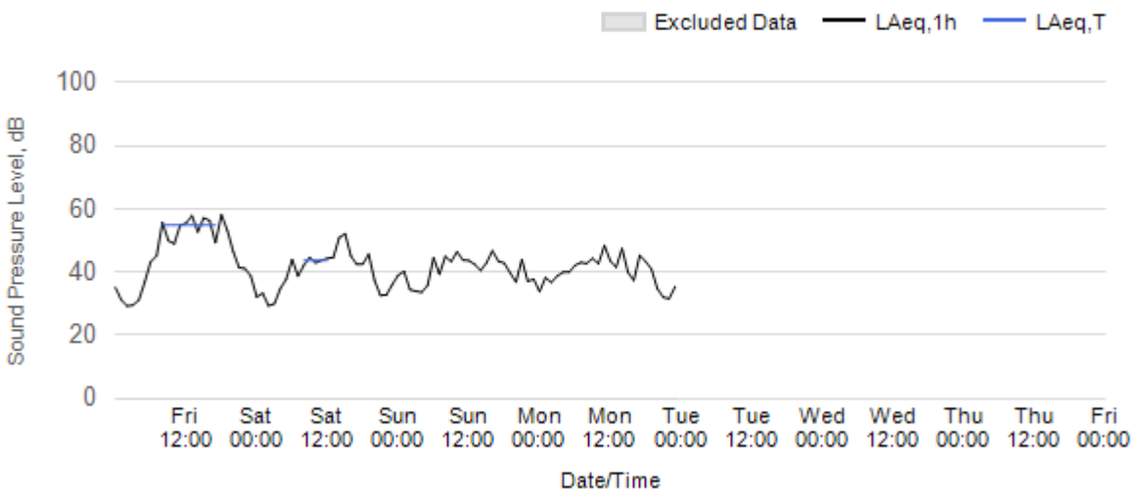
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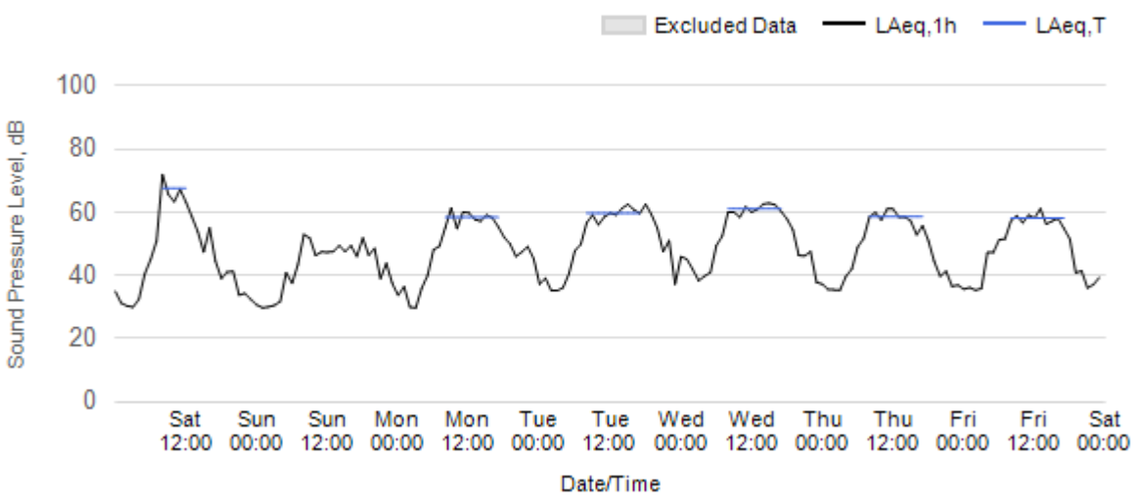


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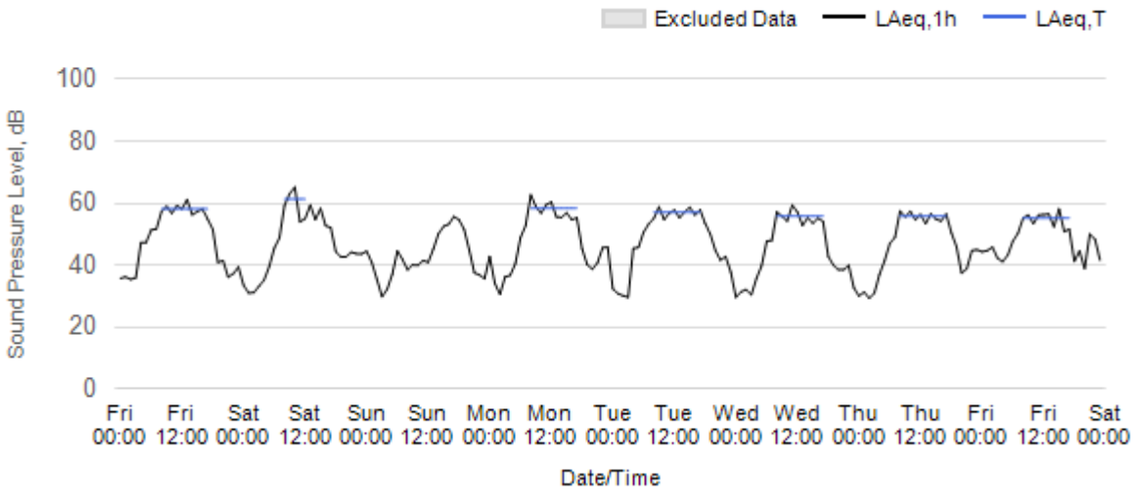


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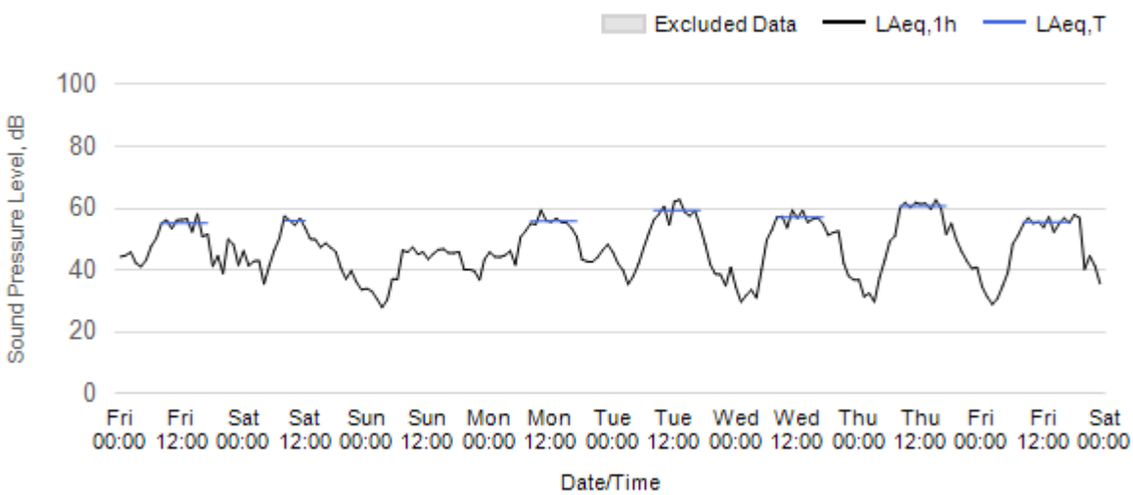
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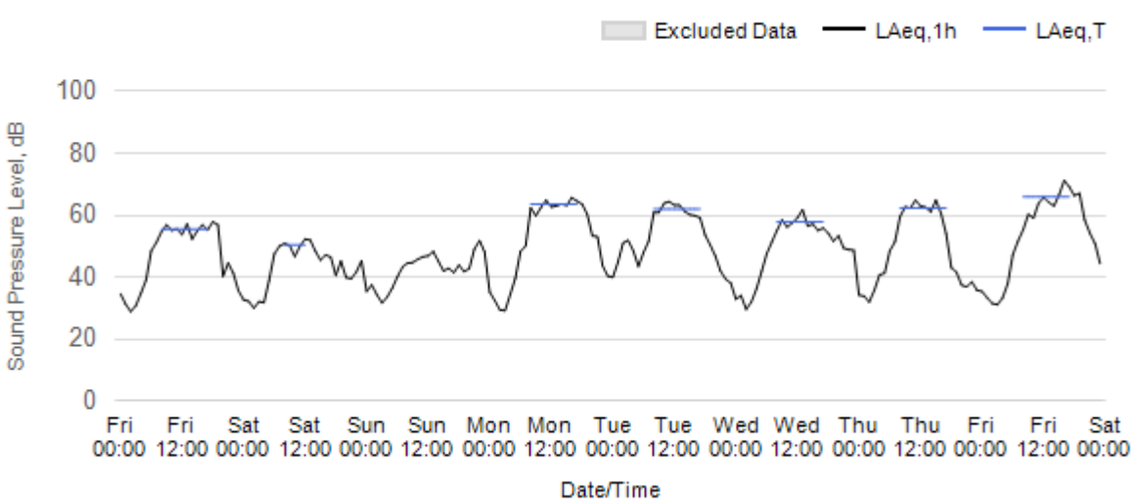
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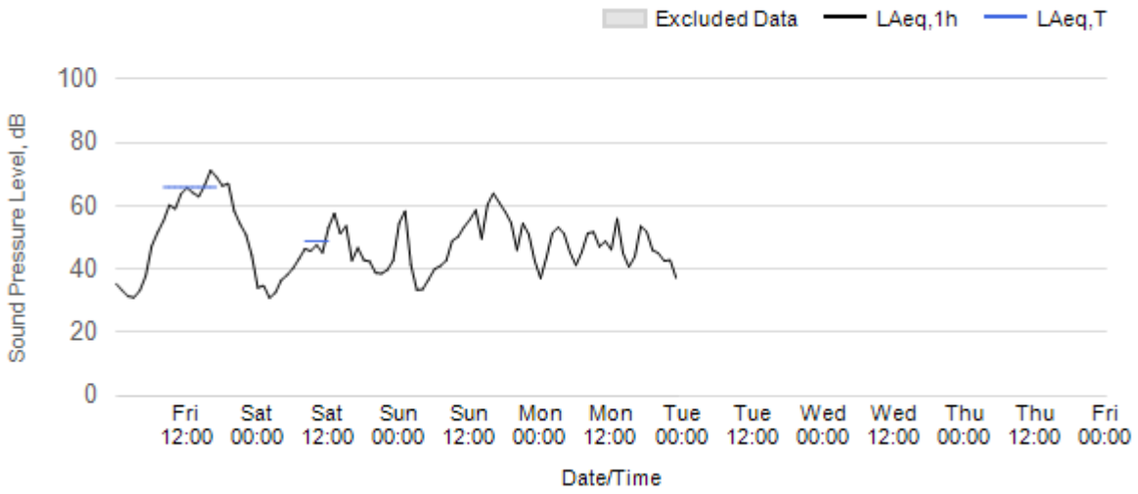
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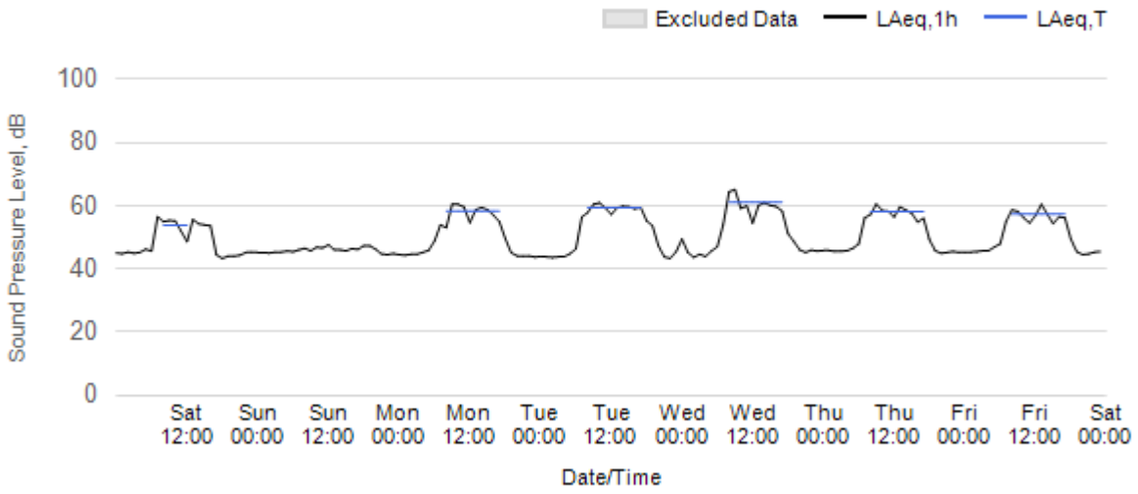


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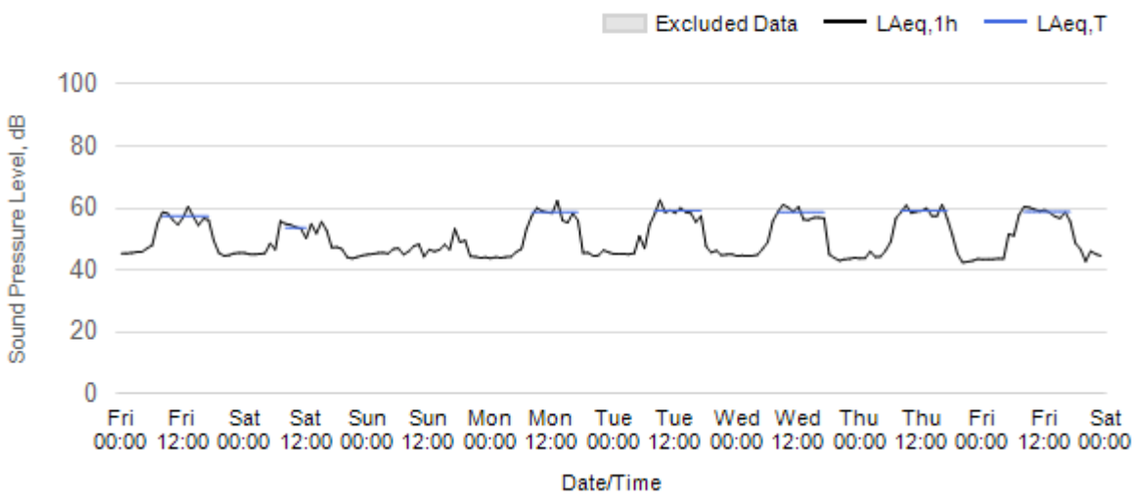


Worksite: HC - Monitoring Ref: HC-NMP1

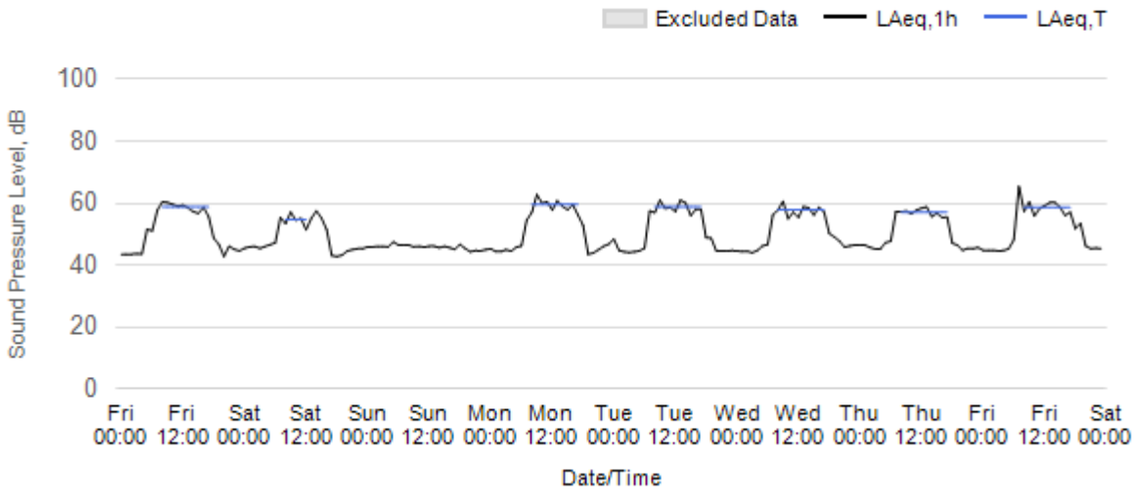
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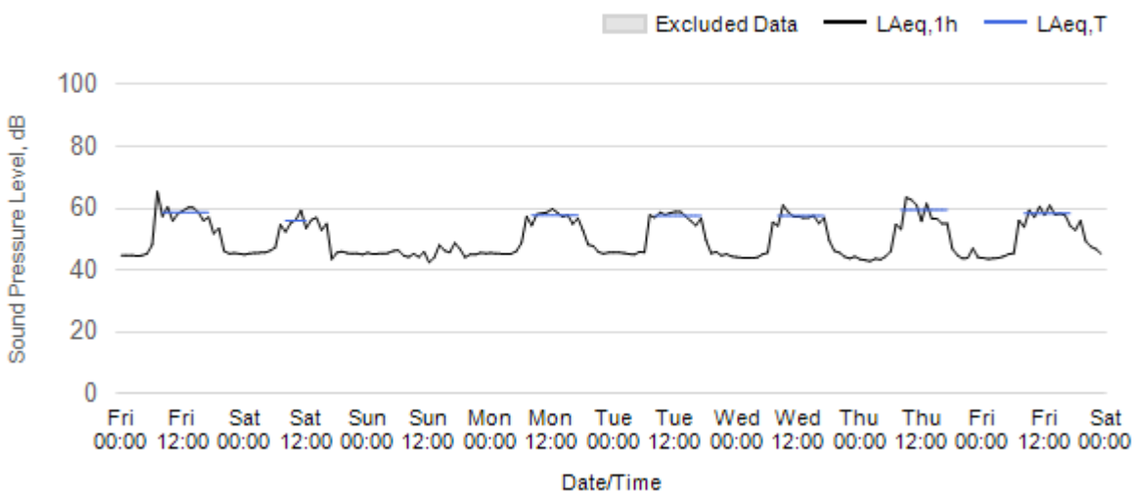
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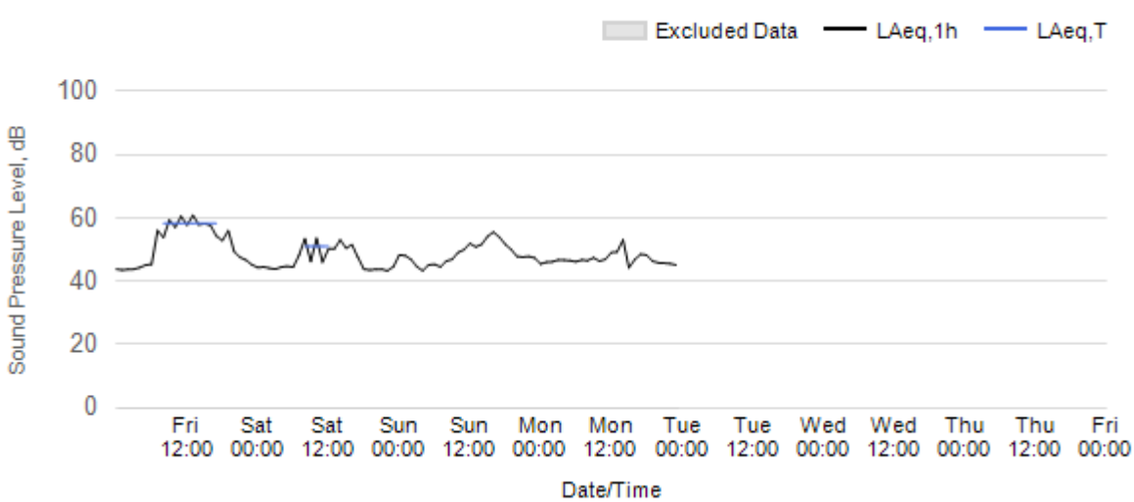
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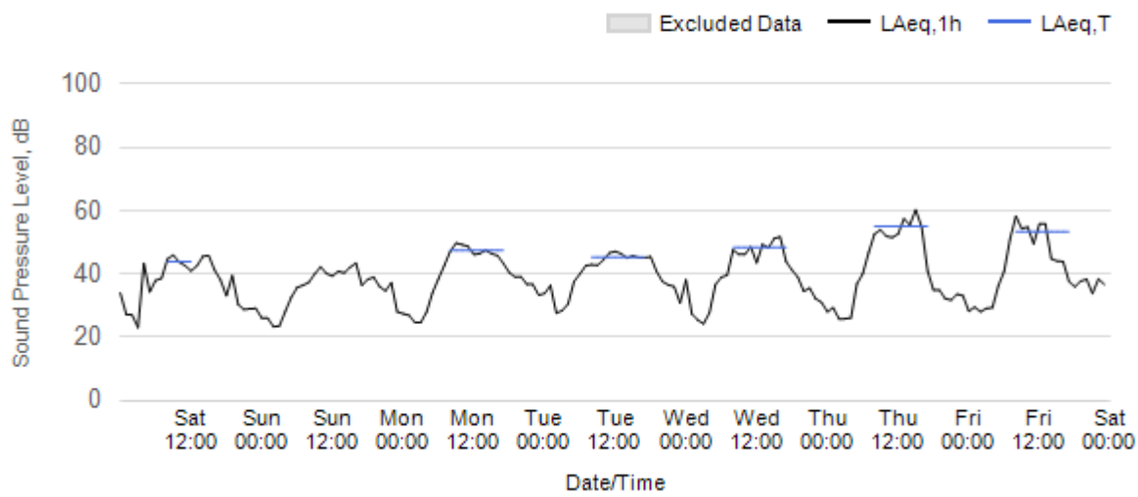


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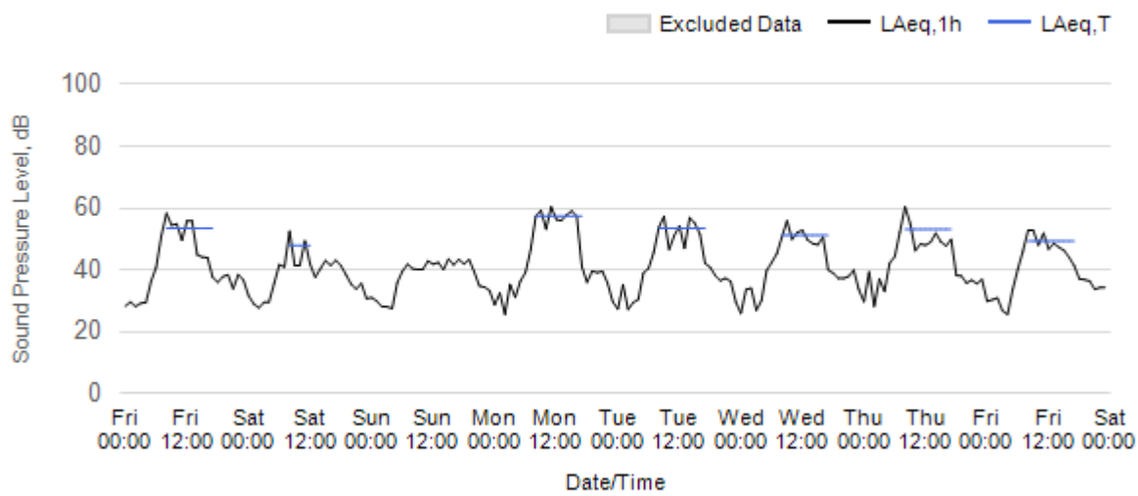


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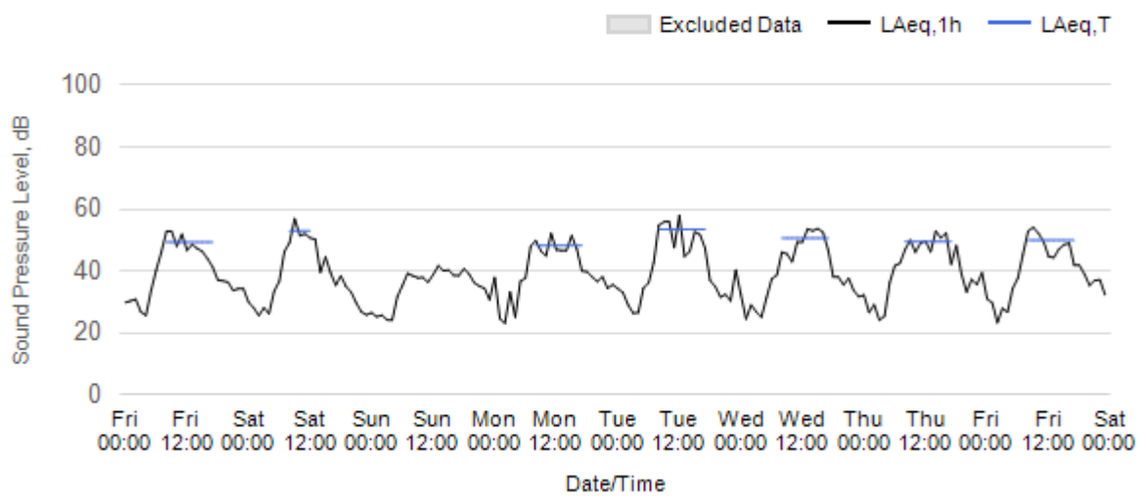
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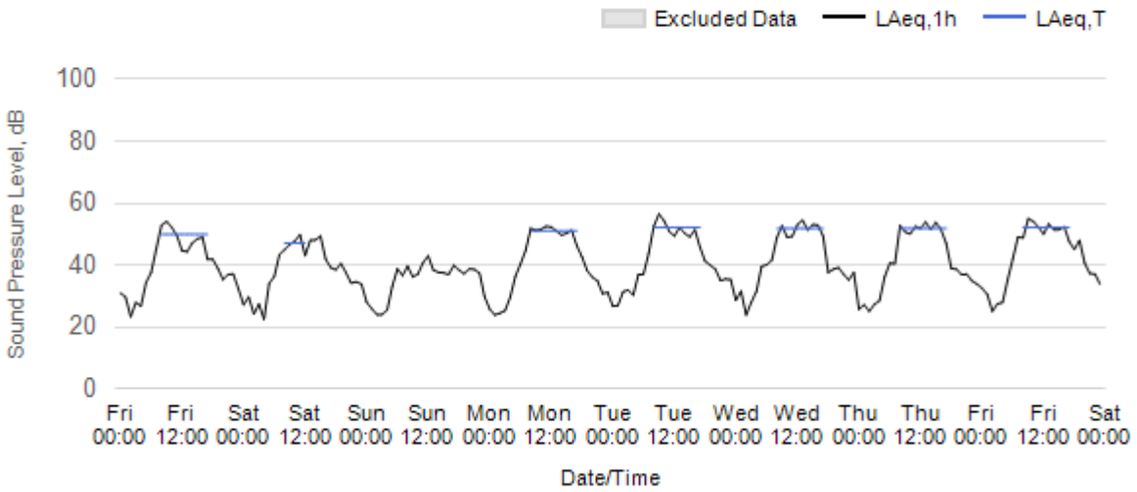
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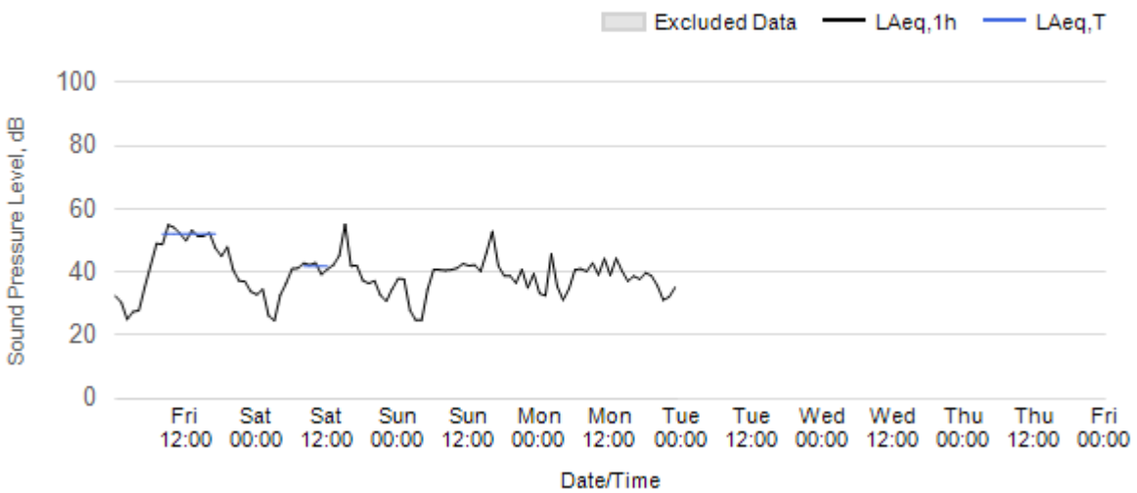
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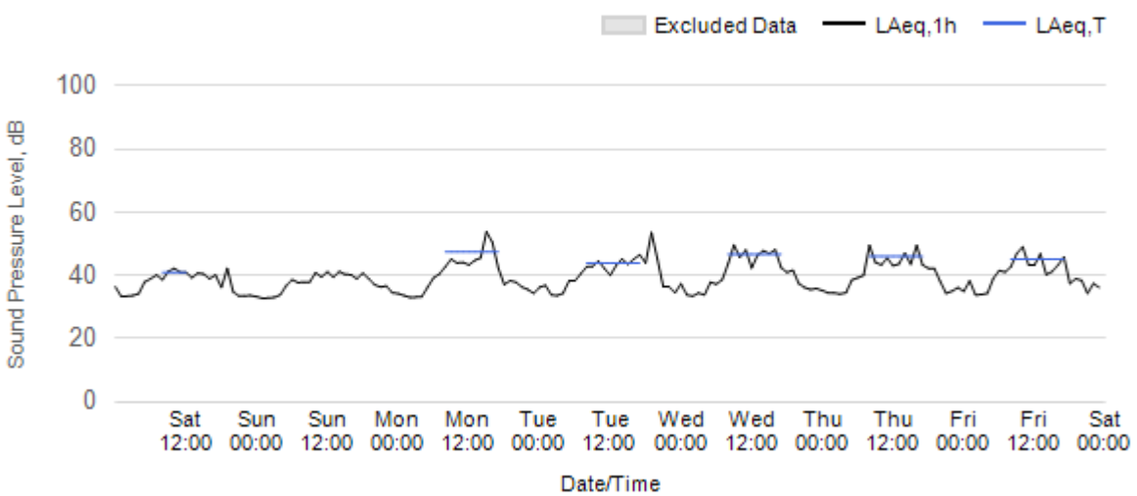


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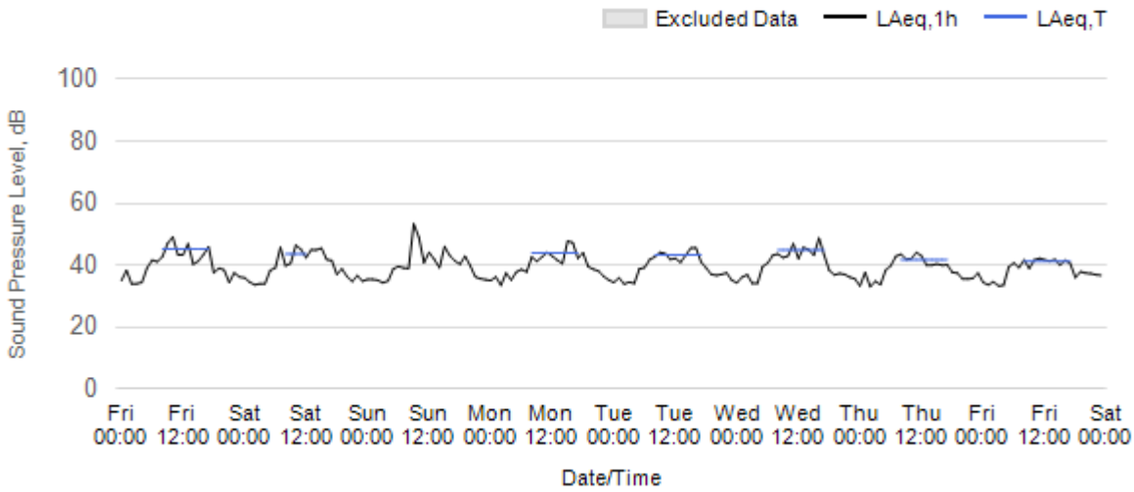


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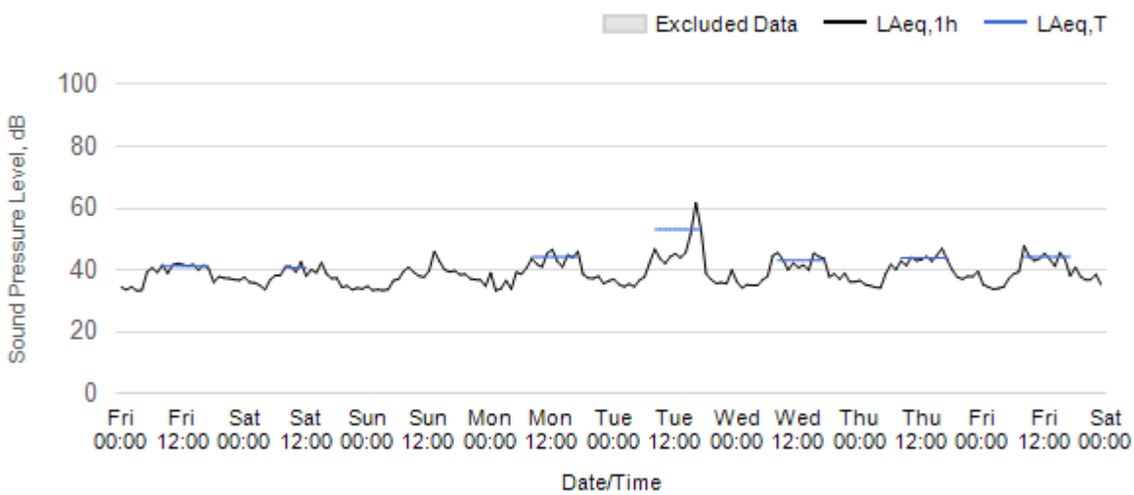
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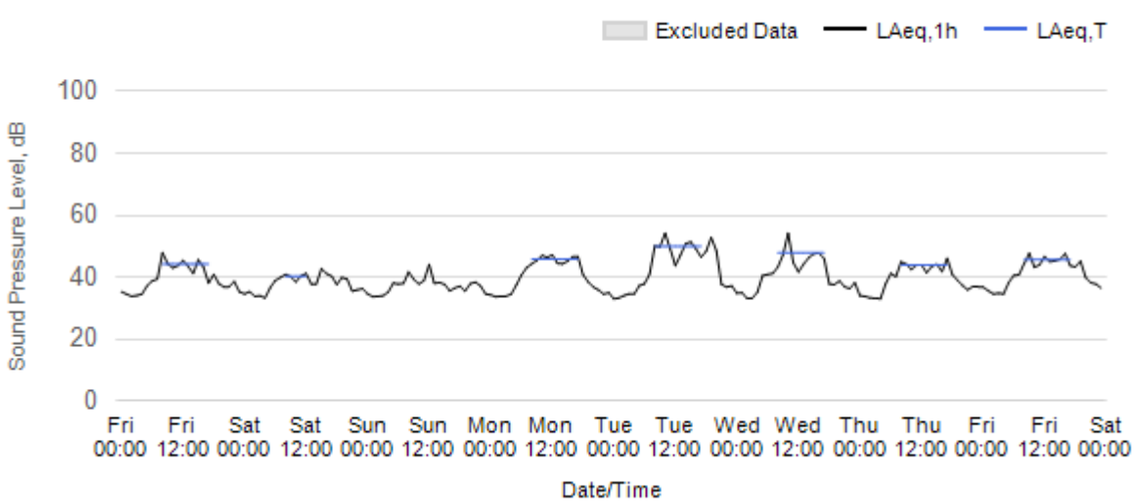
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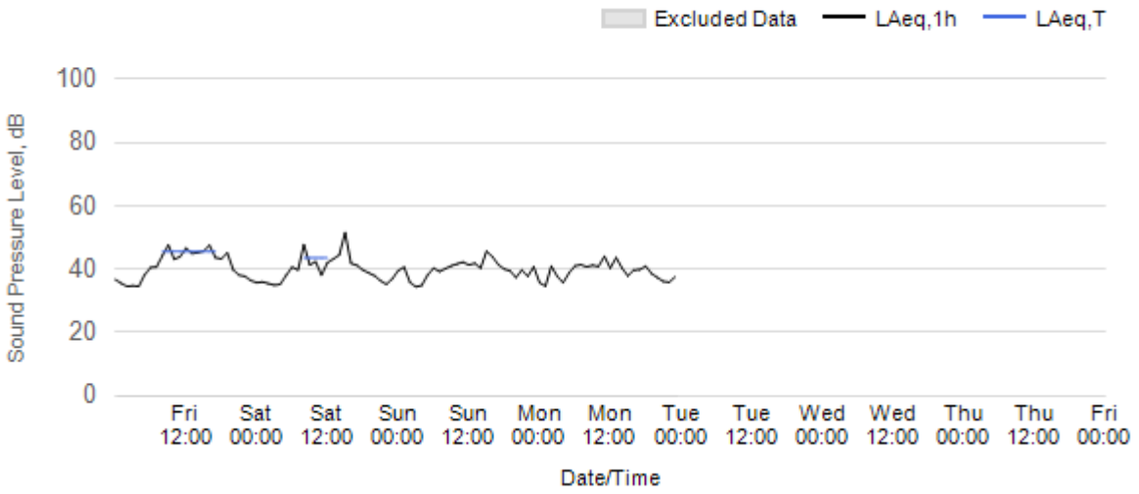
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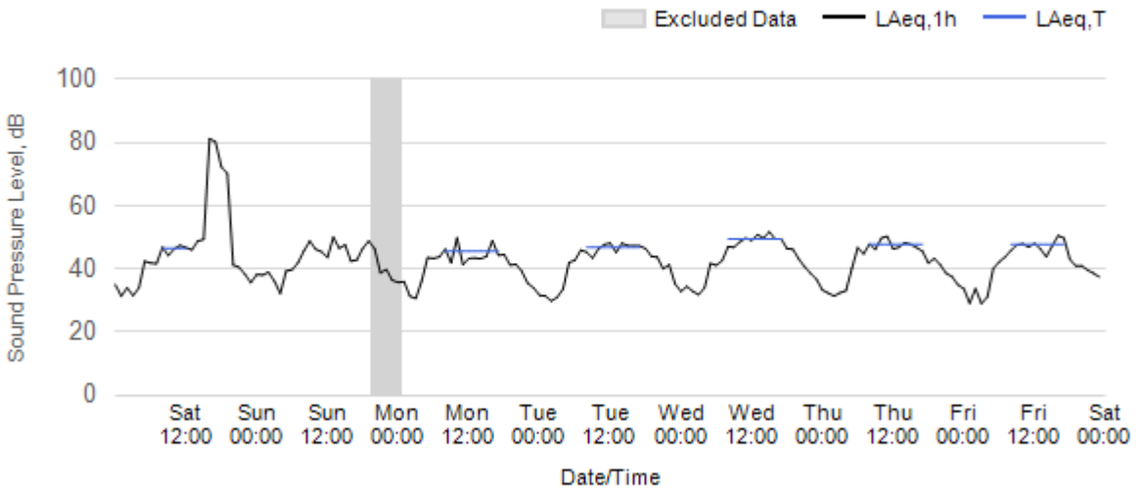


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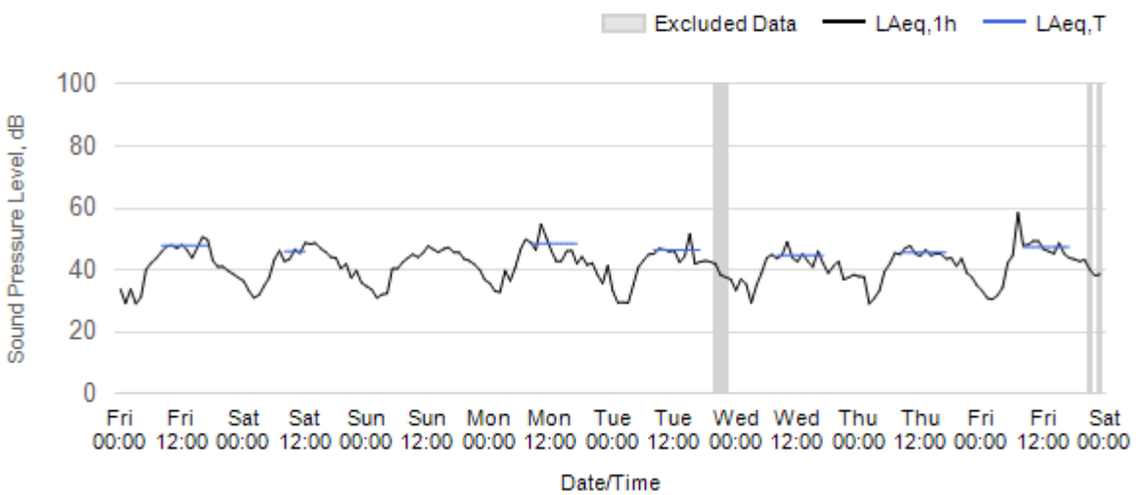


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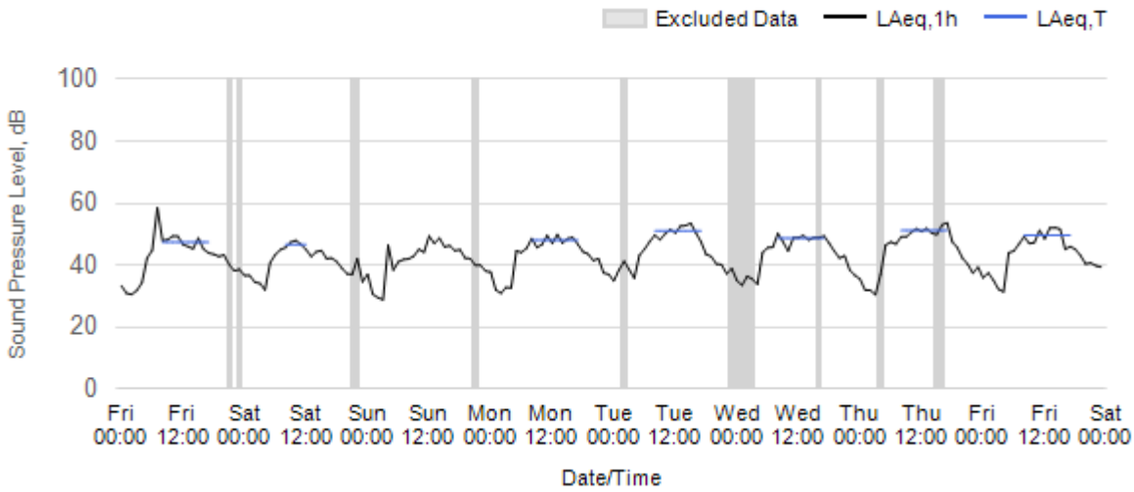
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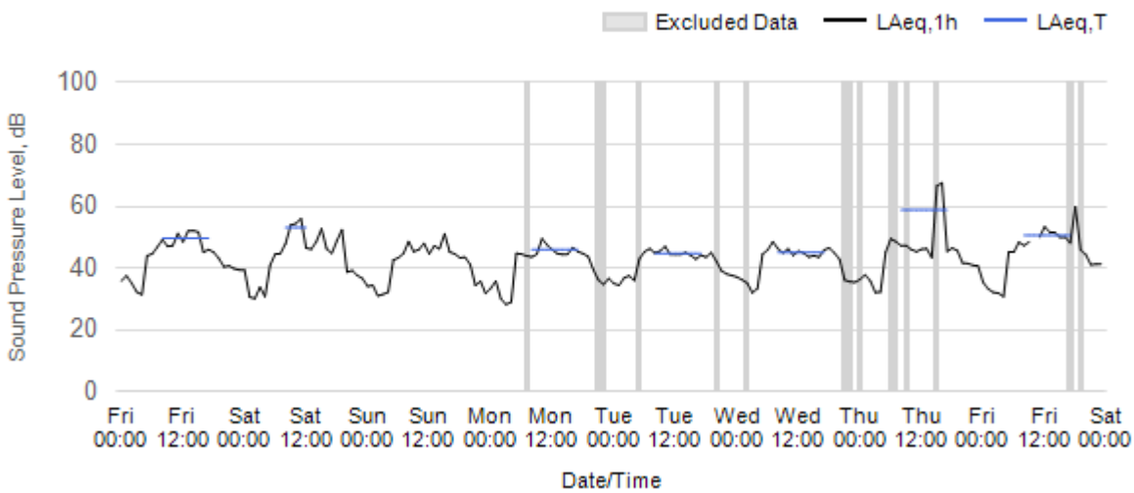
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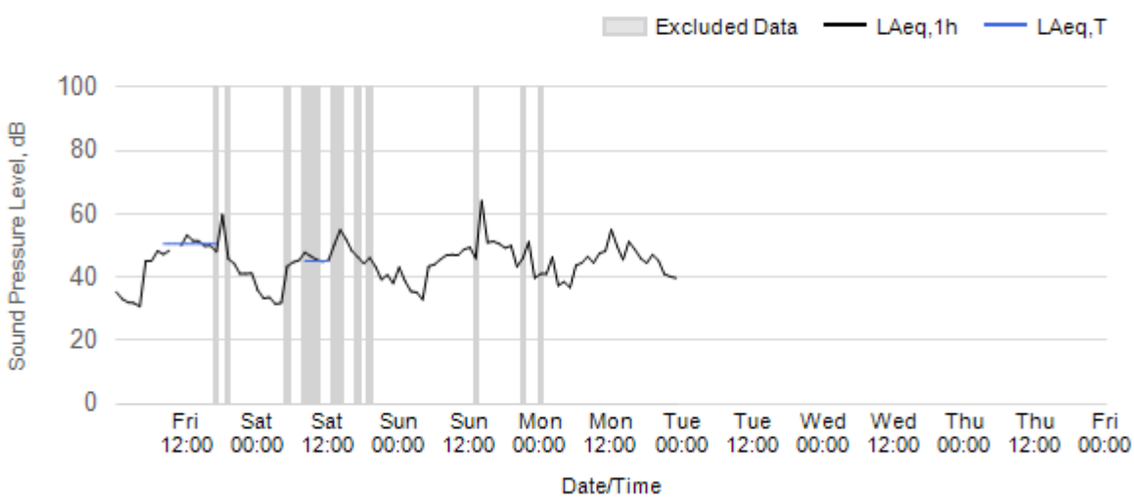
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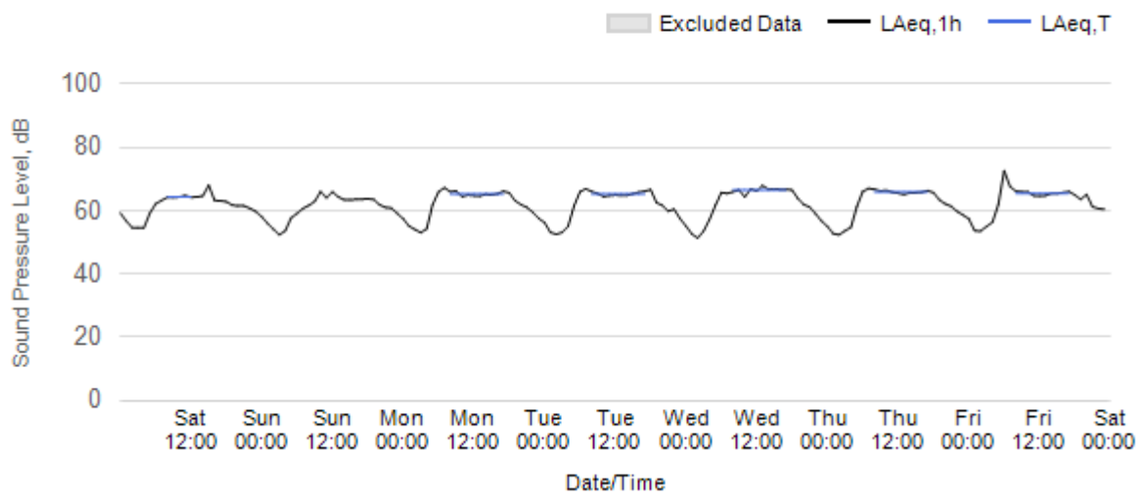


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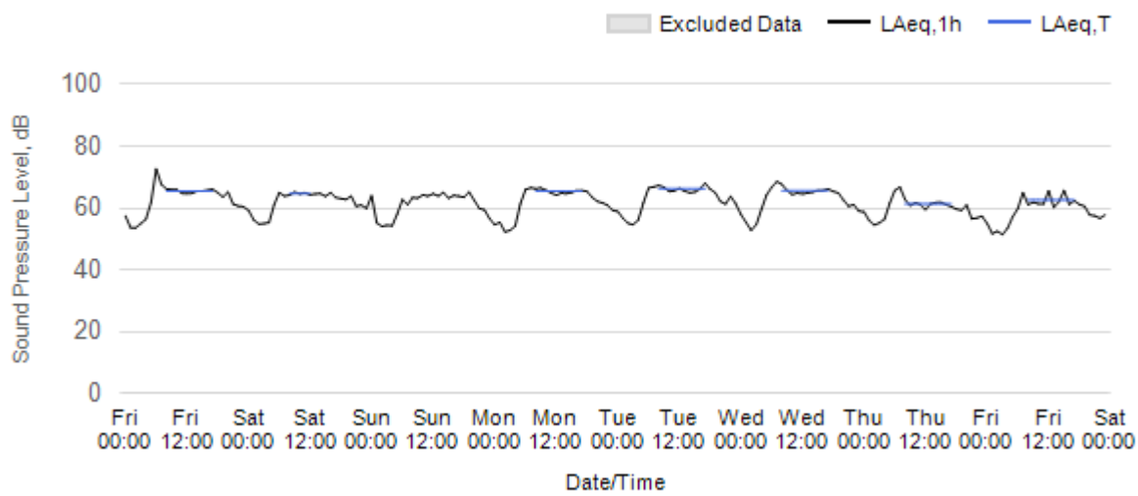


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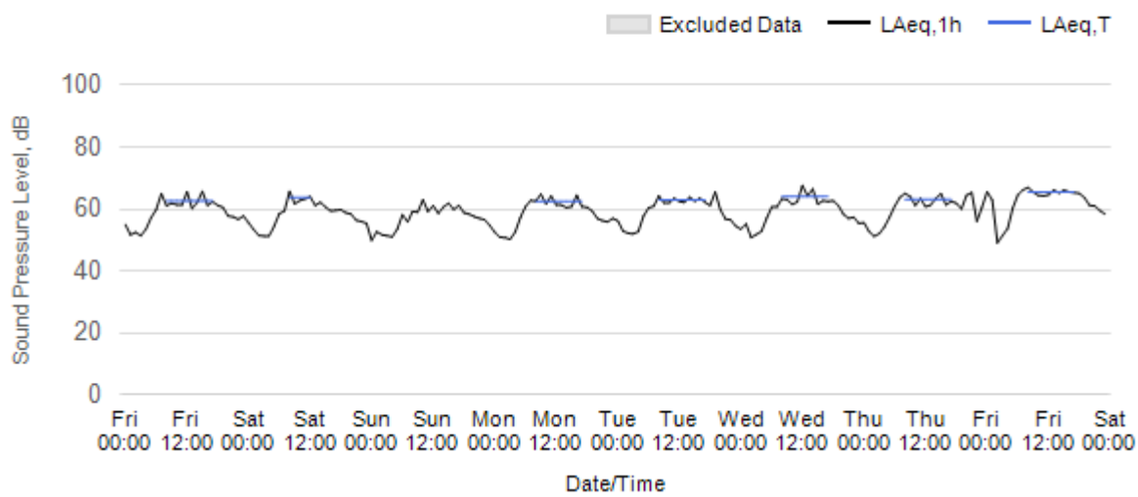
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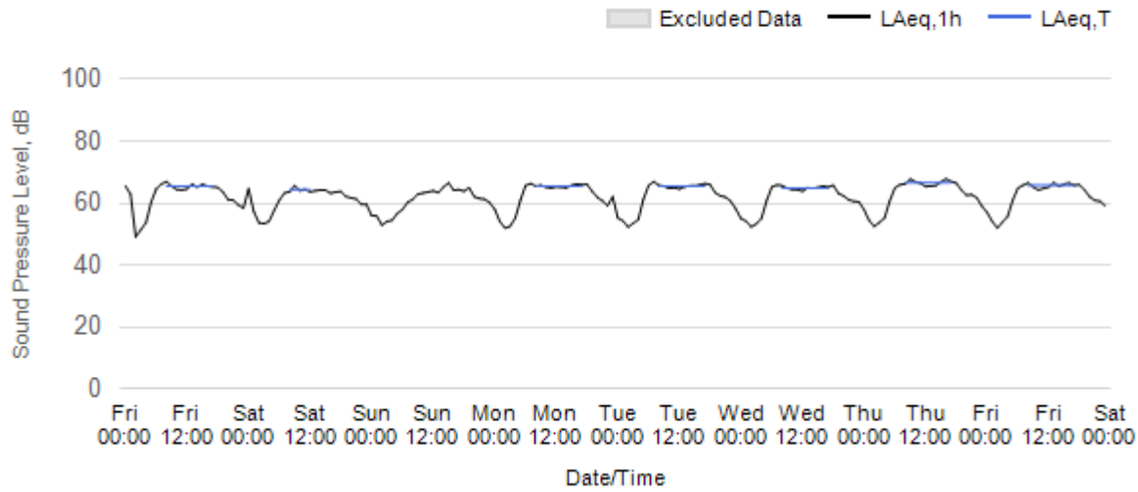
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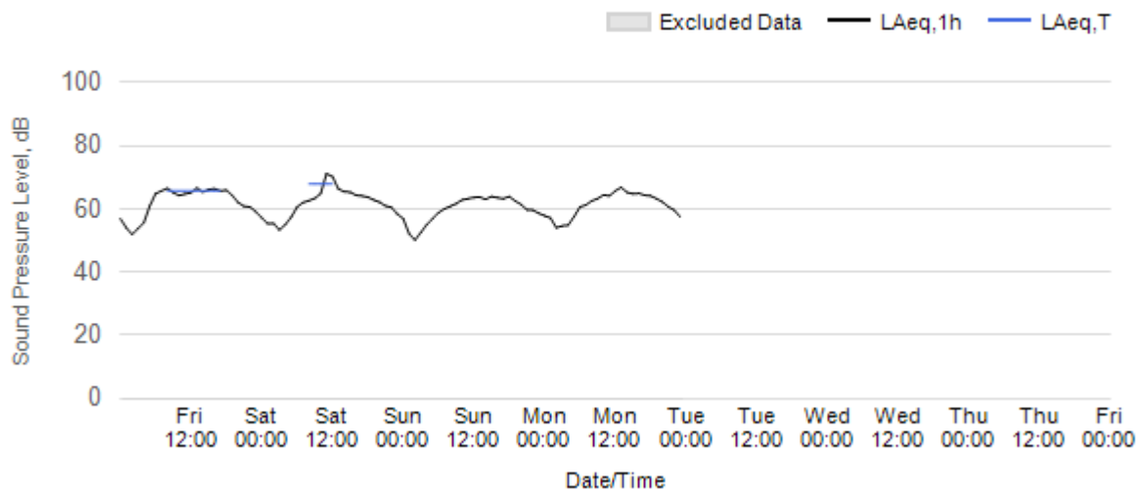
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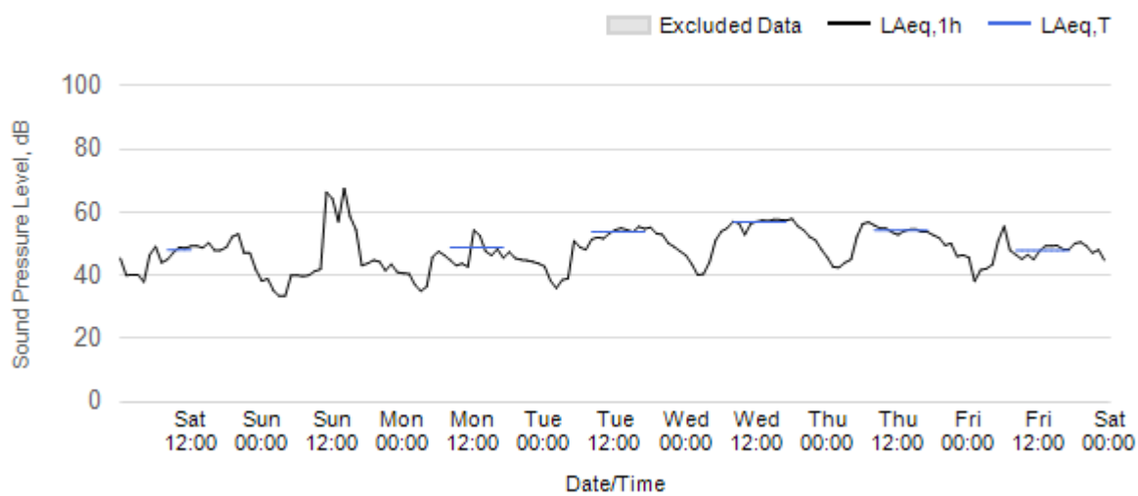


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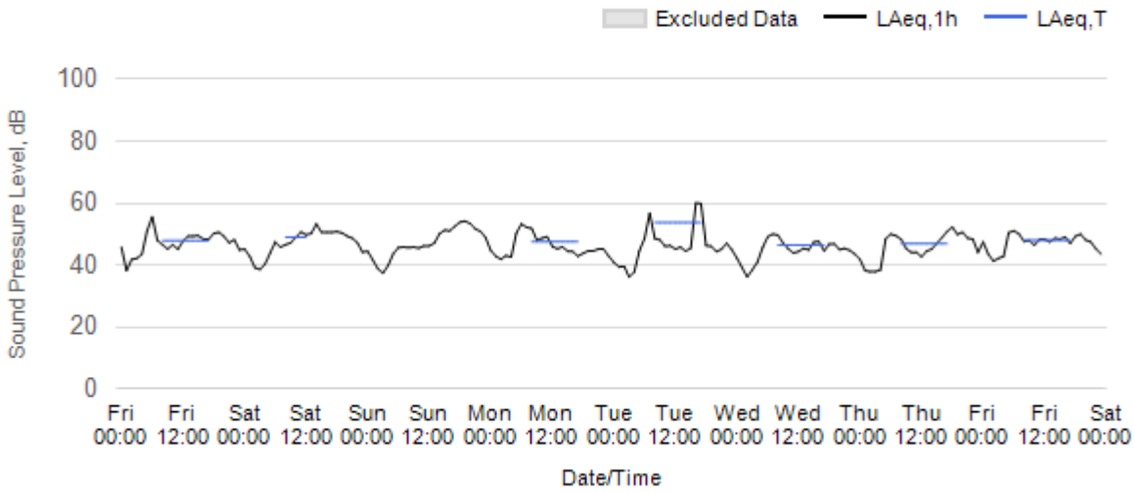


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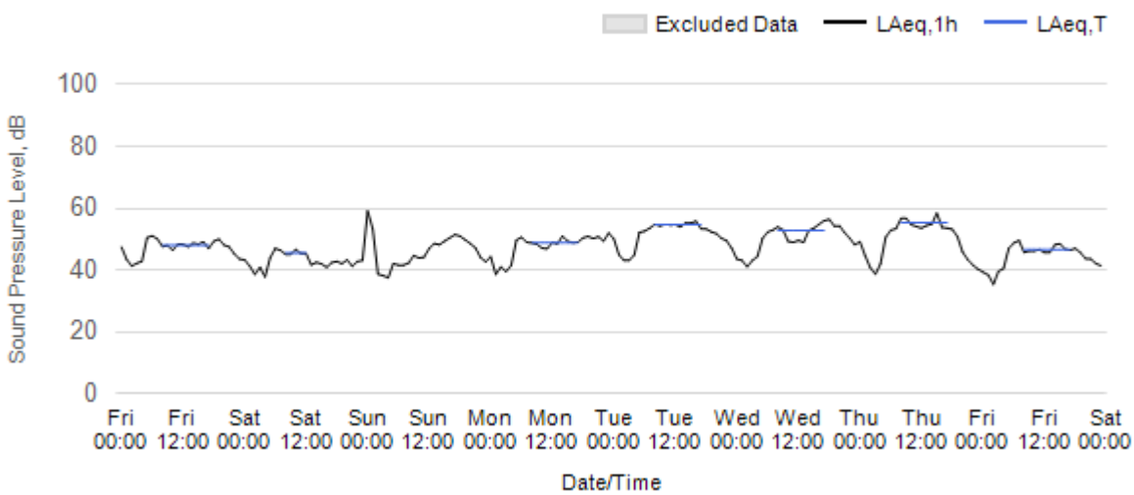
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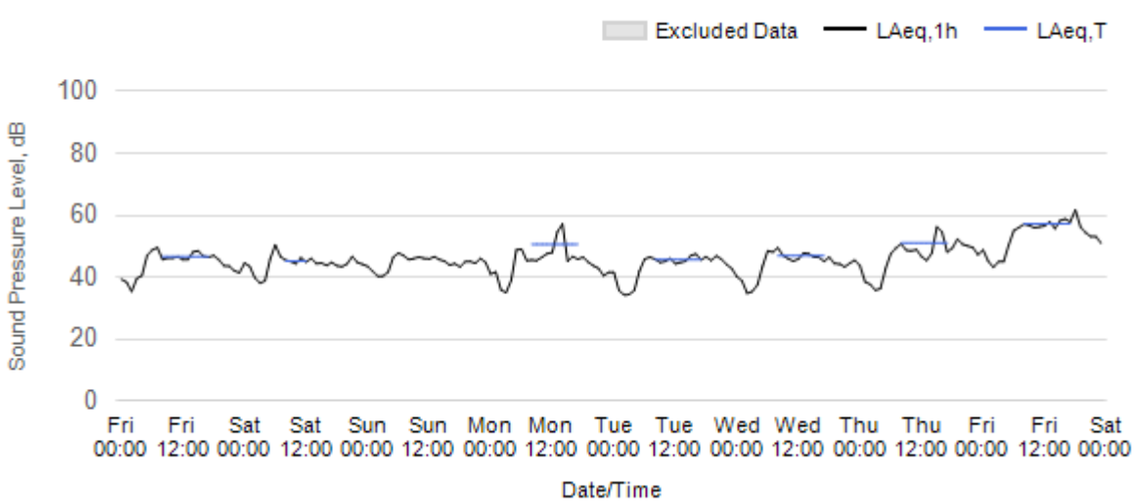
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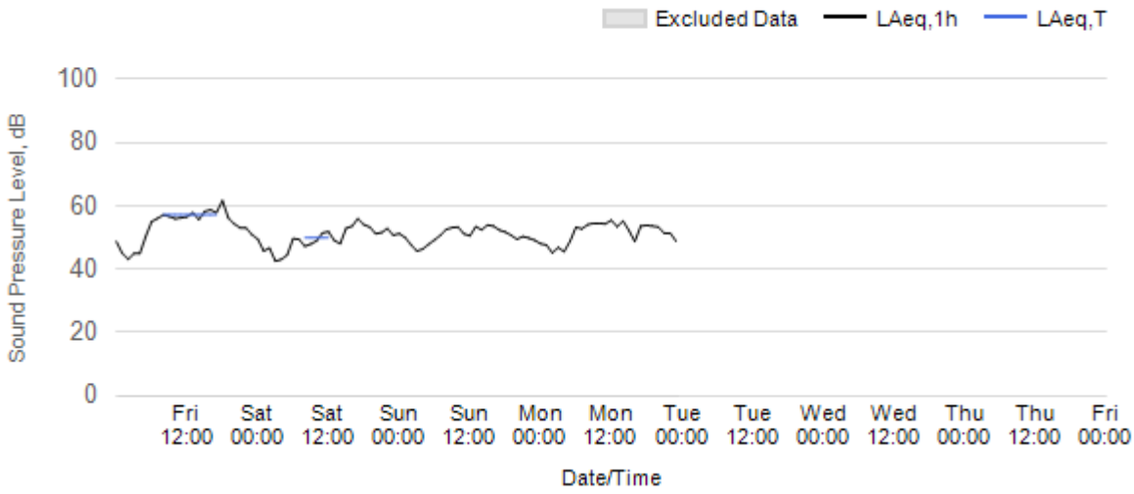
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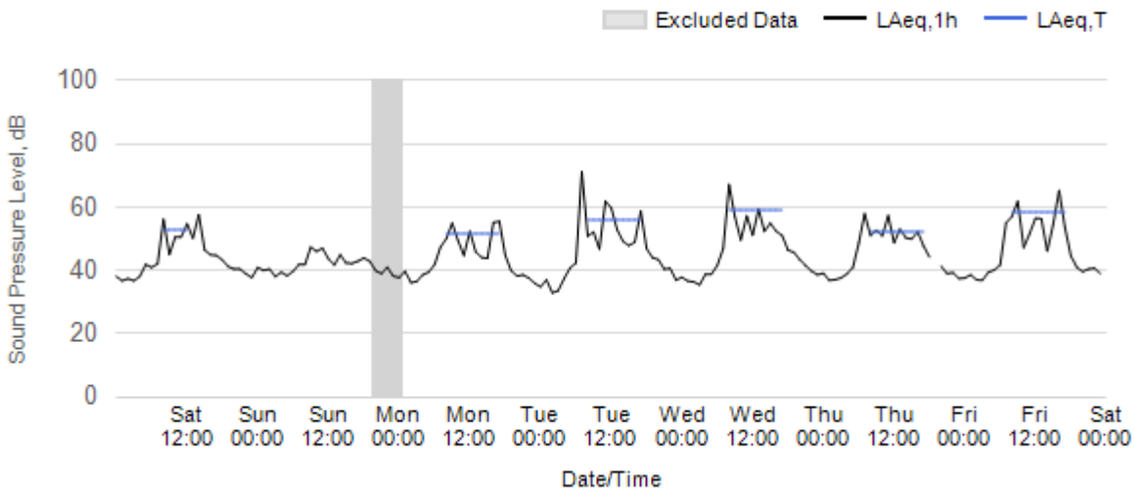


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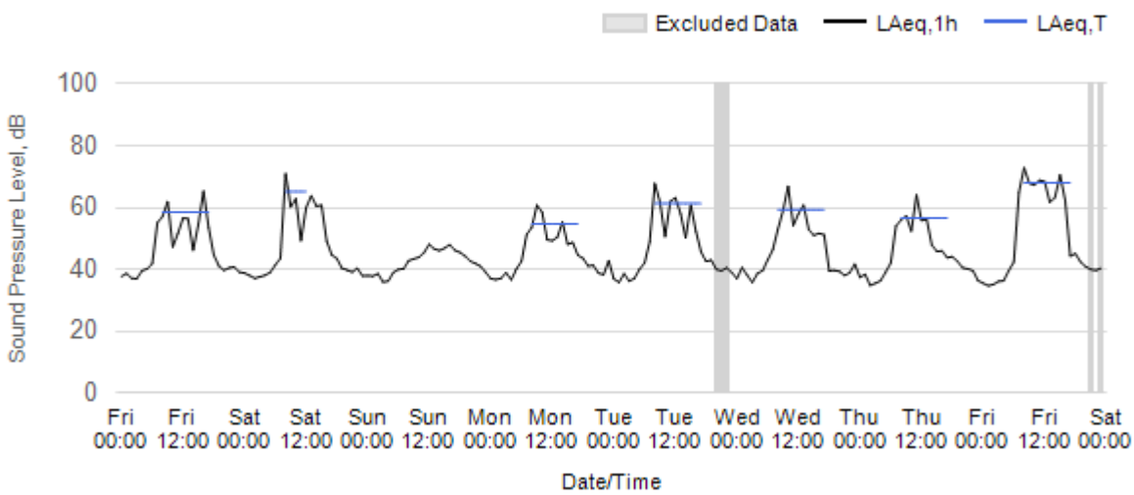


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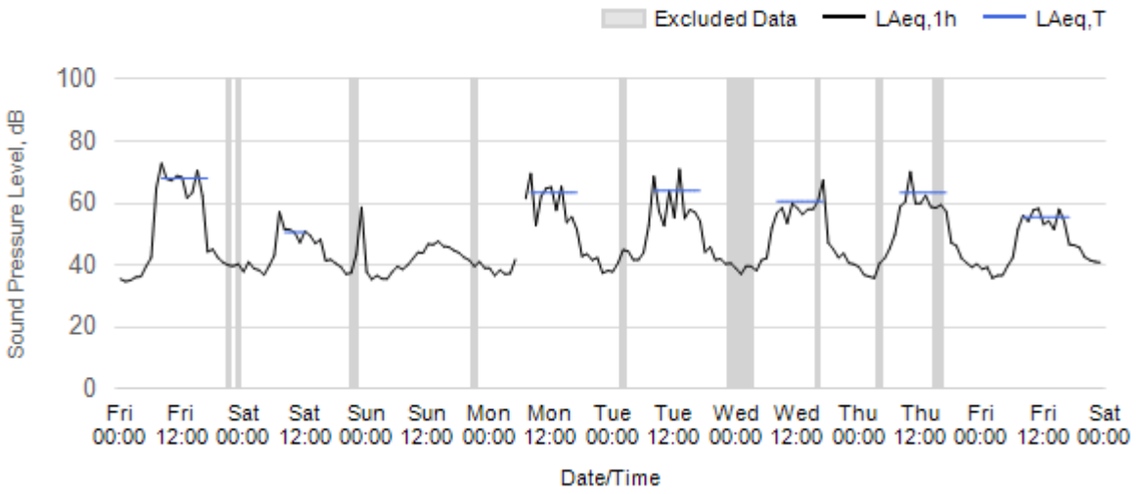
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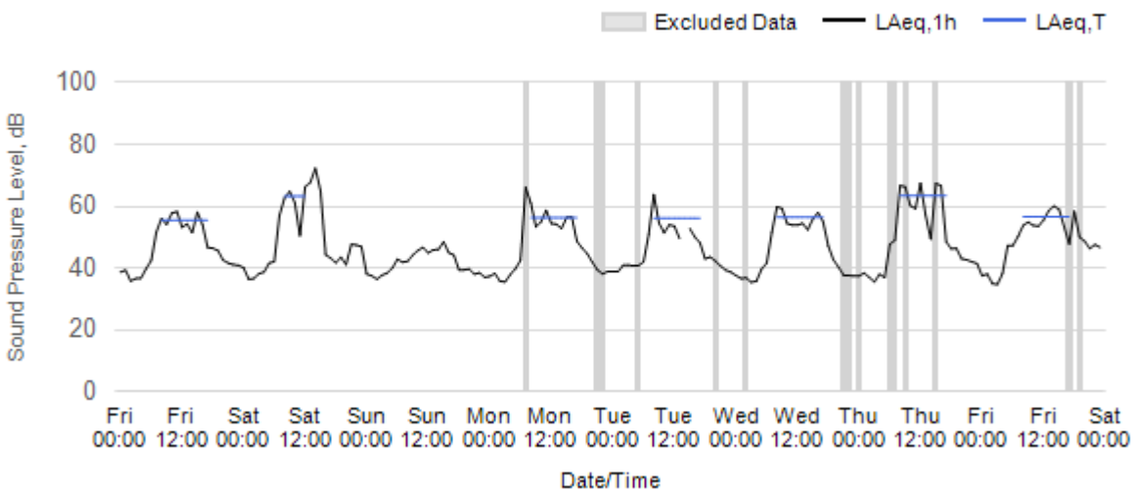
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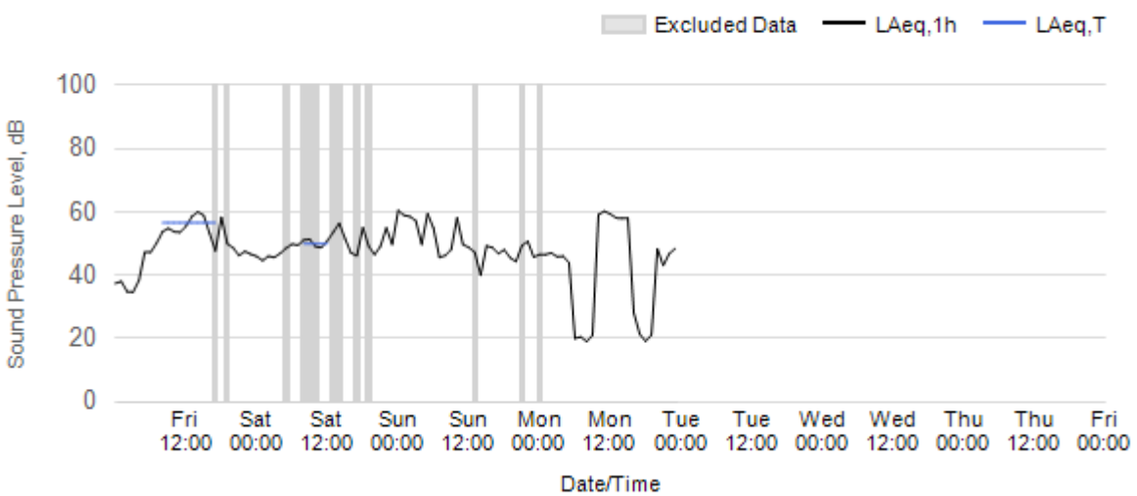
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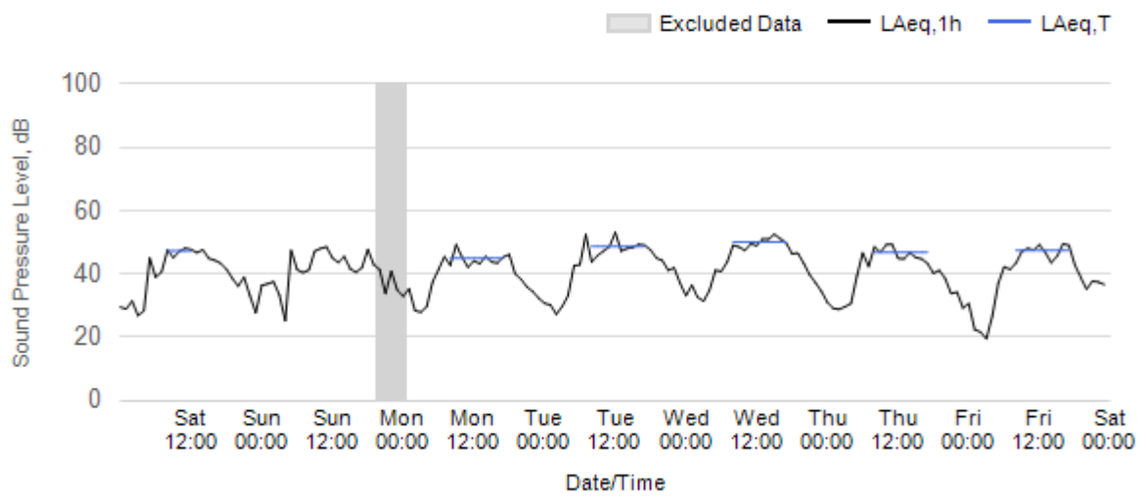


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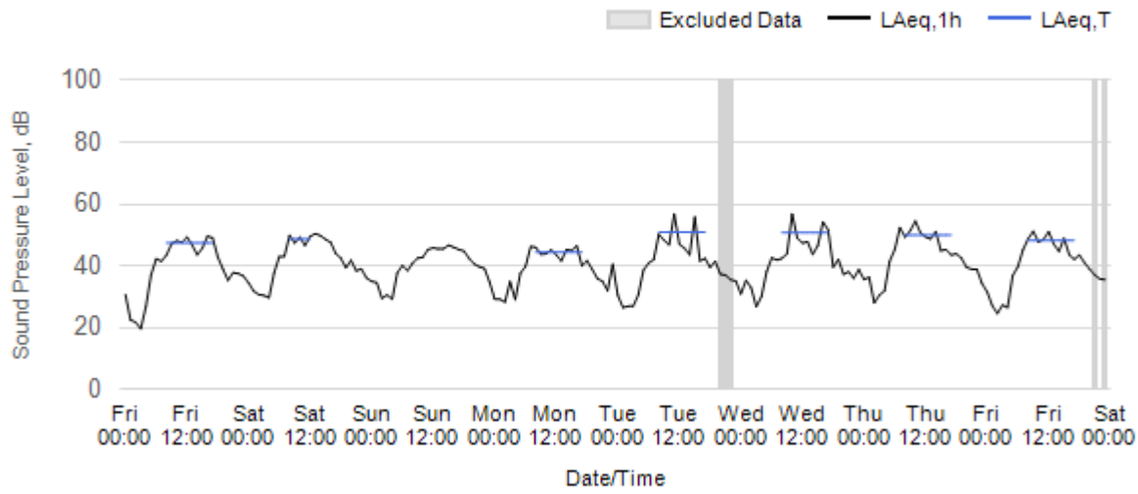


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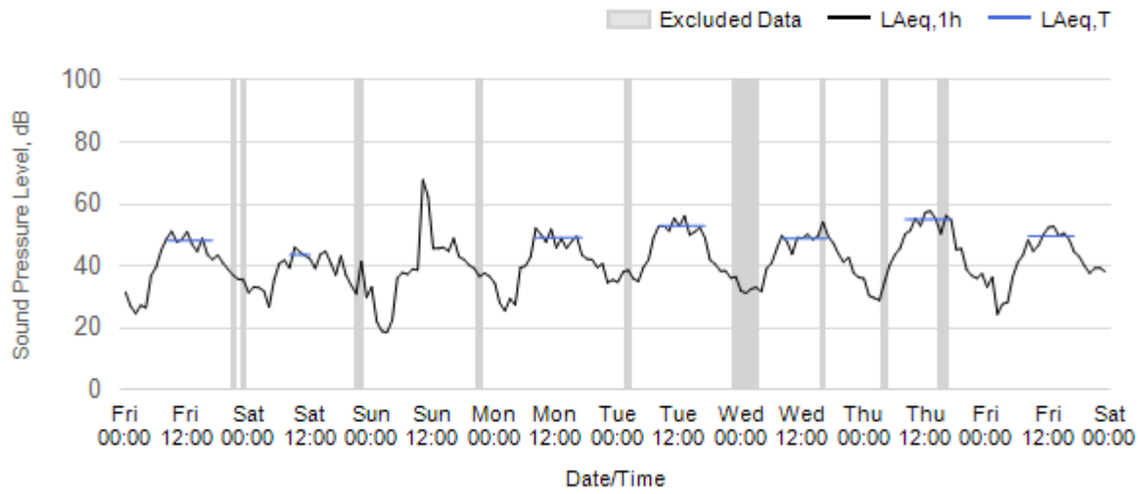
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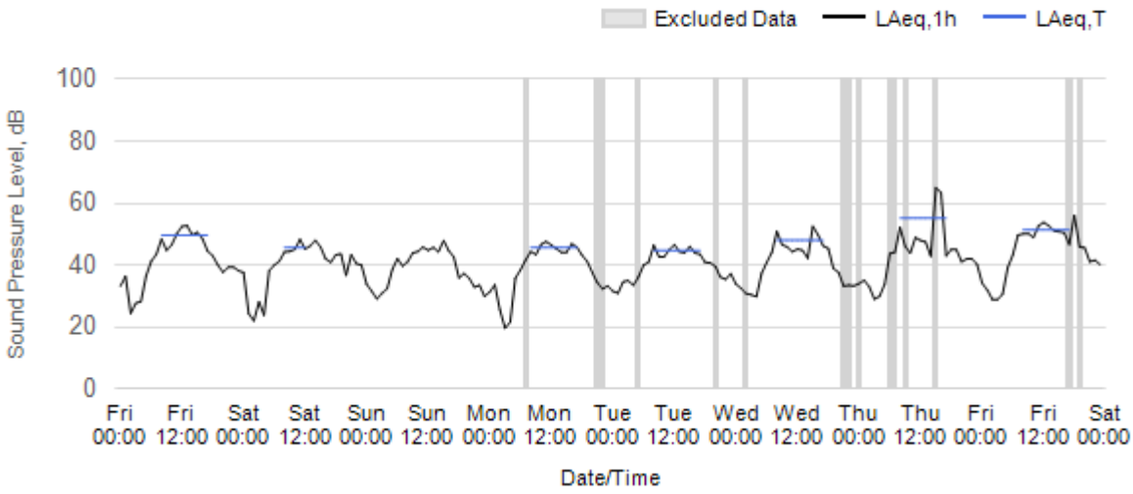
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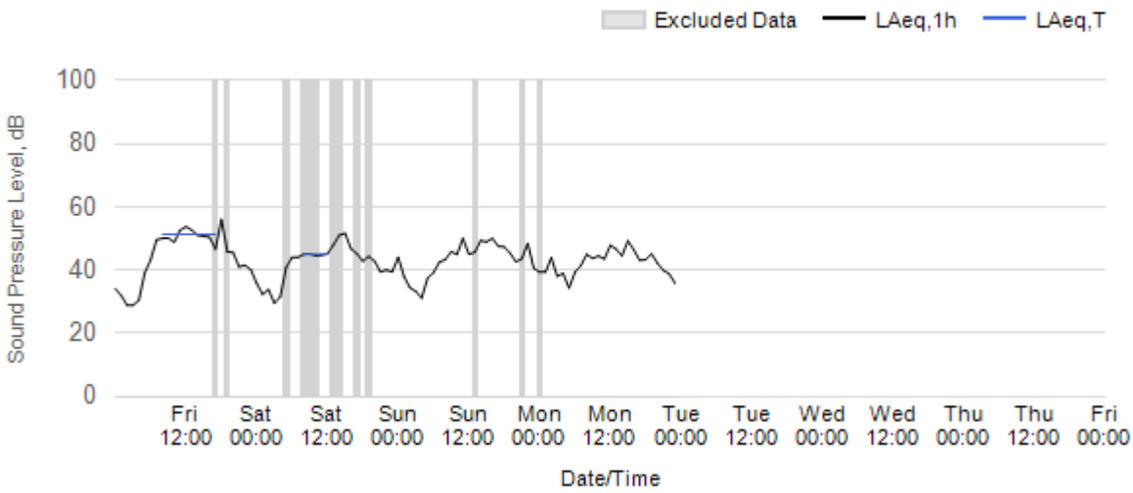
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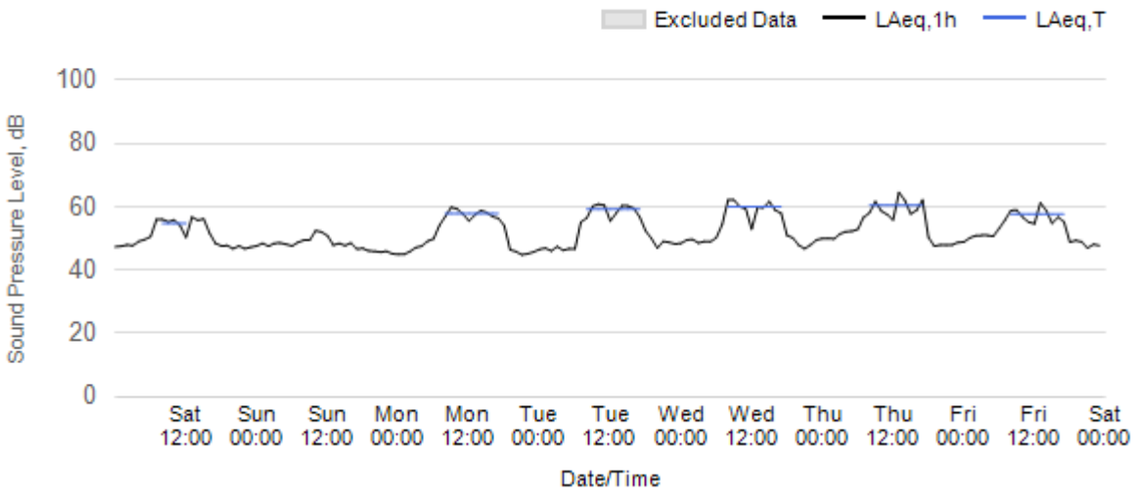


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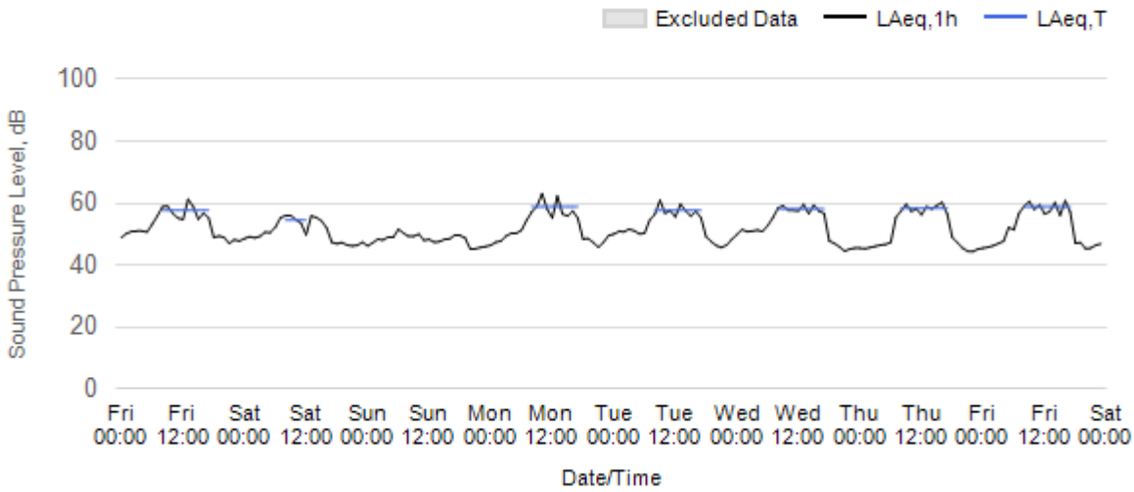


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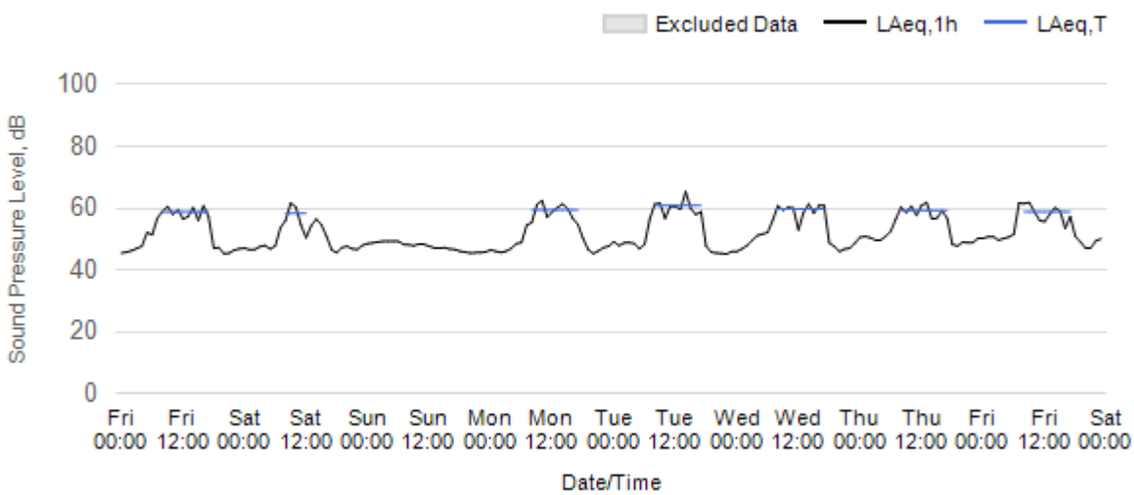
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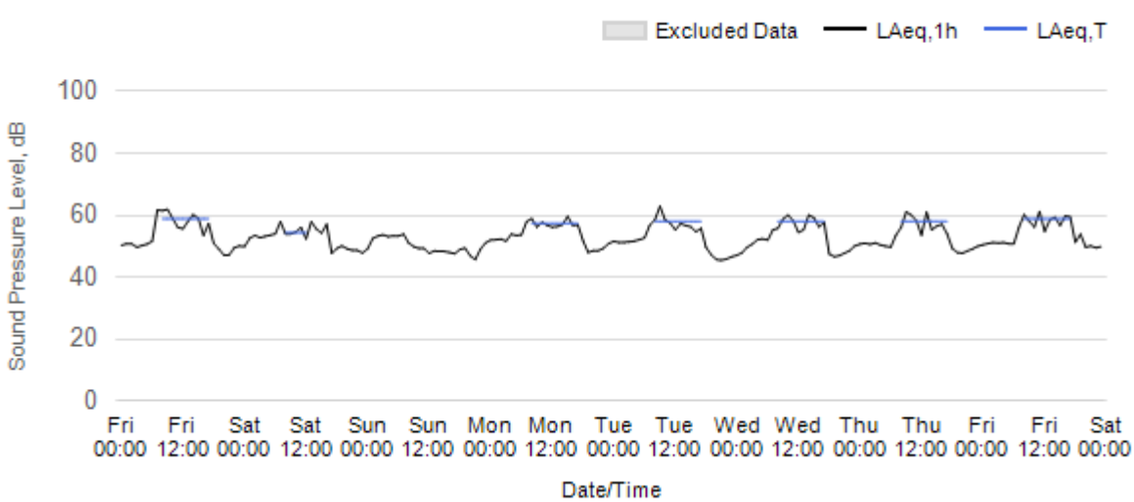
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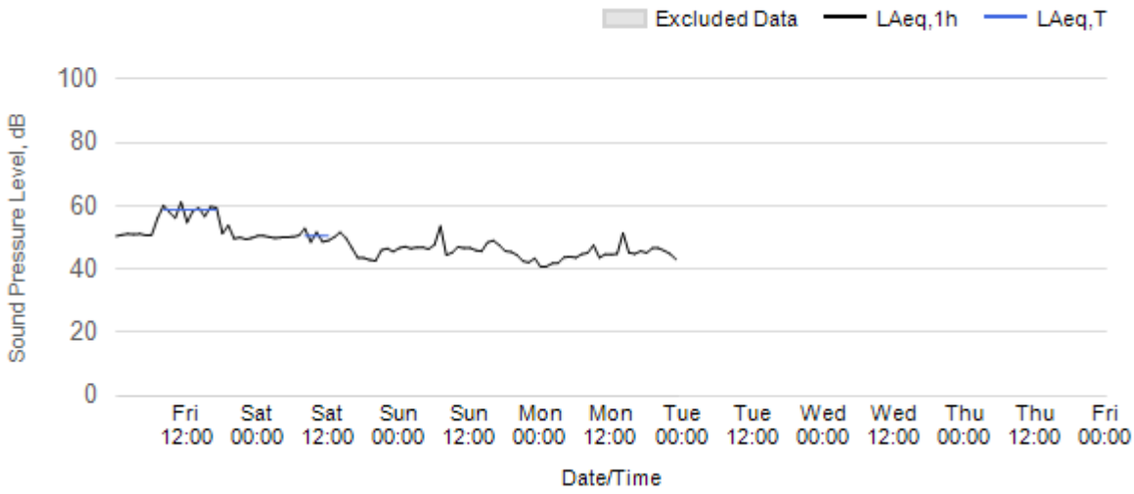
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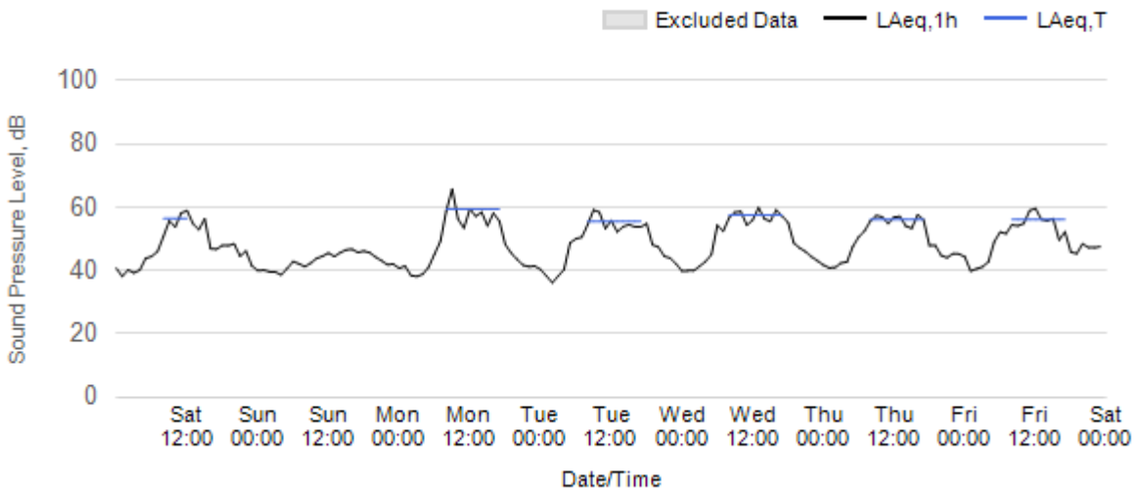


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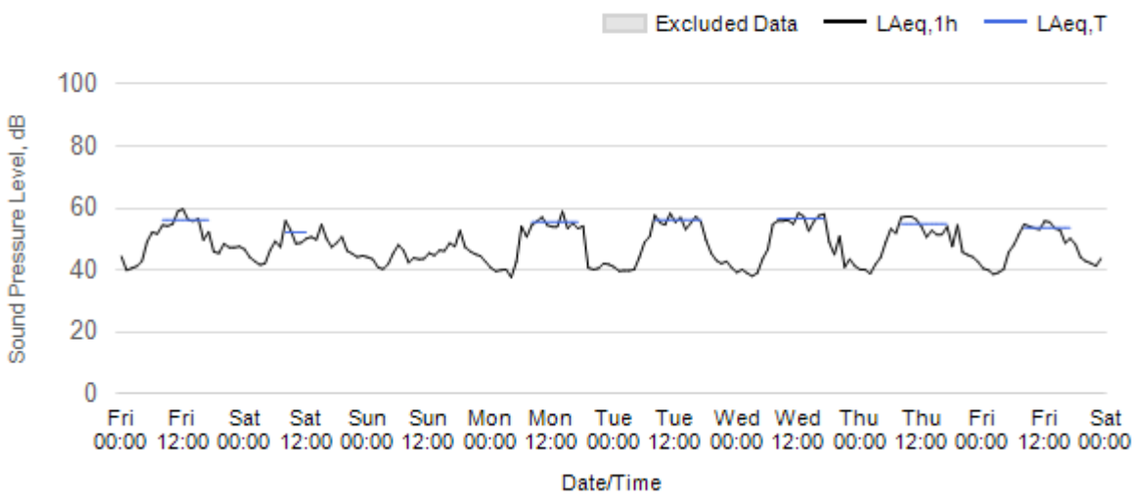


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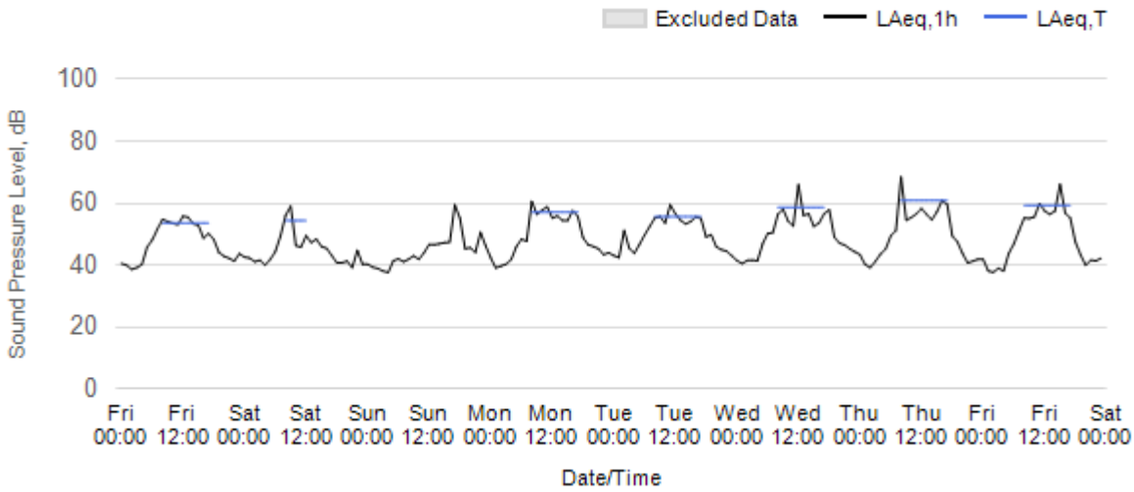
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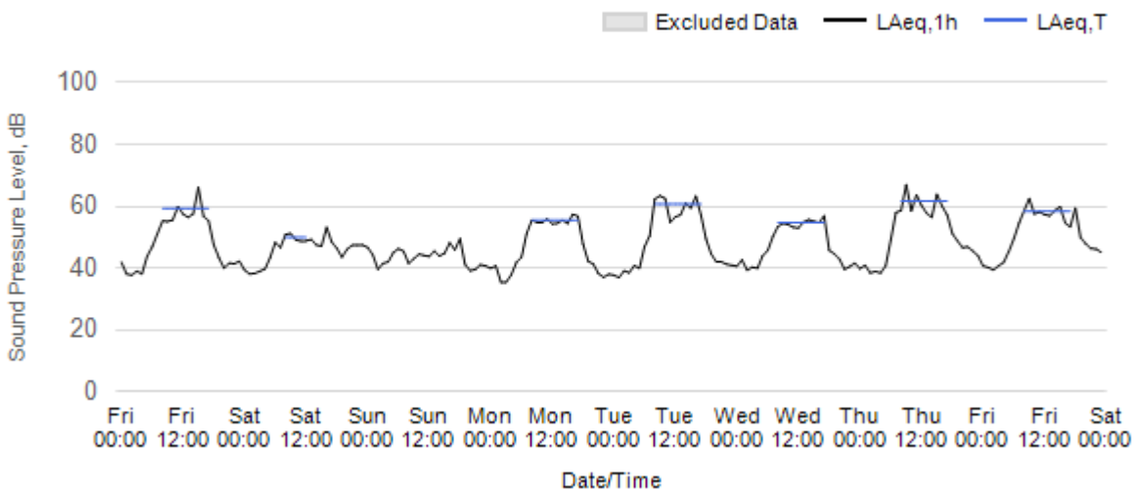
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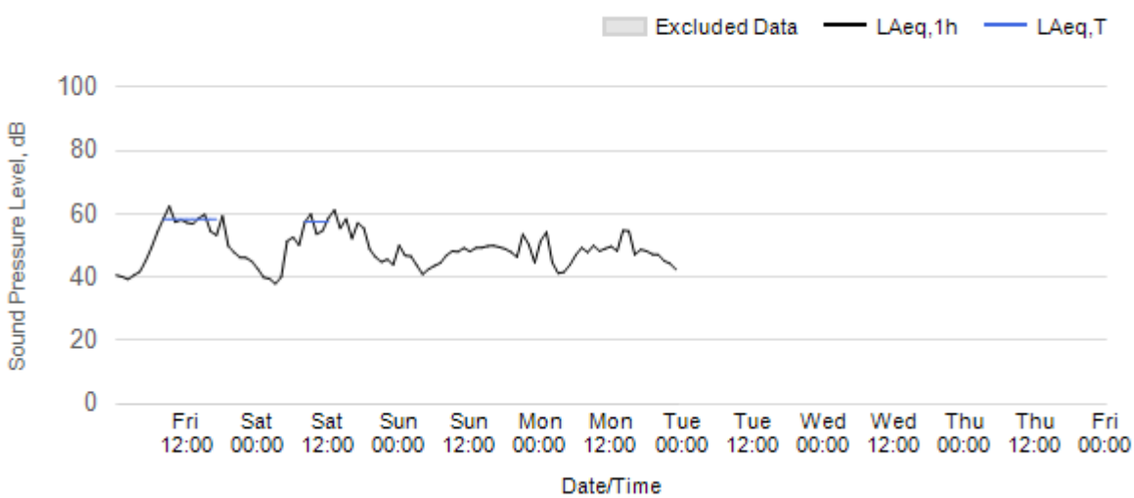
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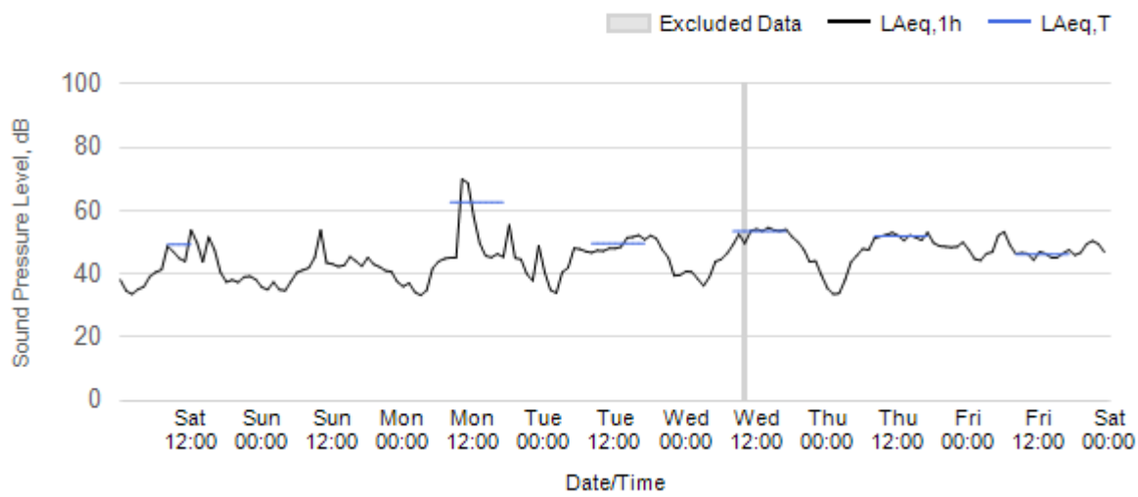


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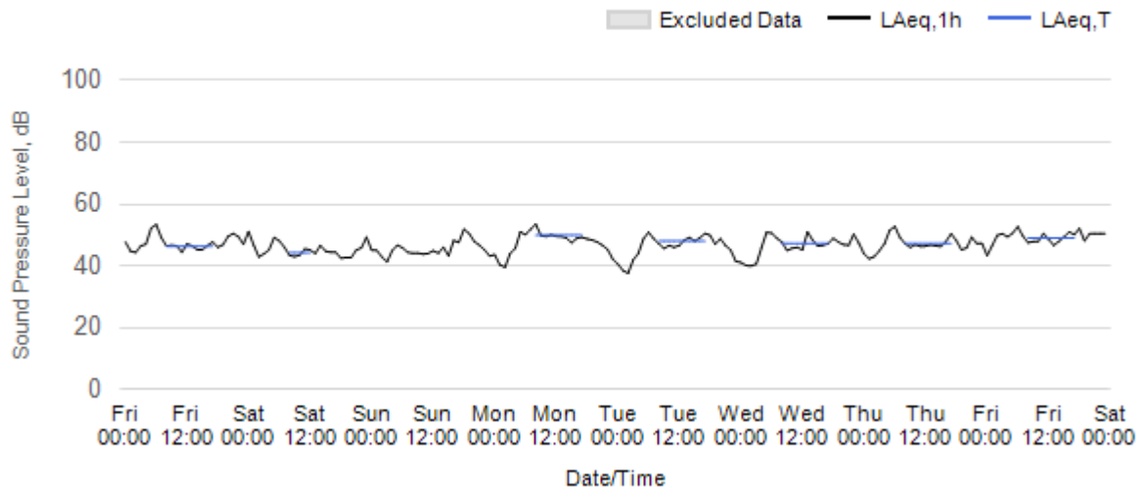


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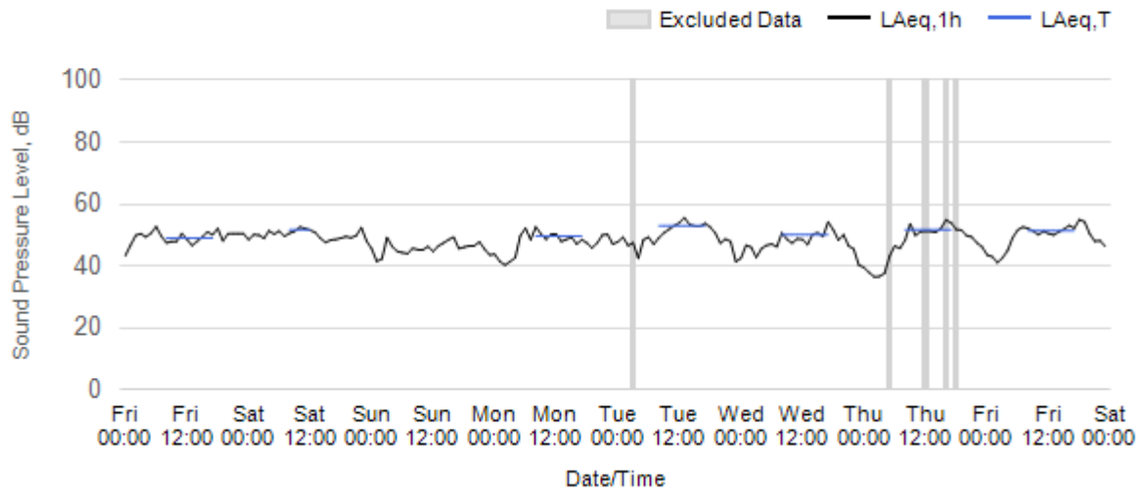
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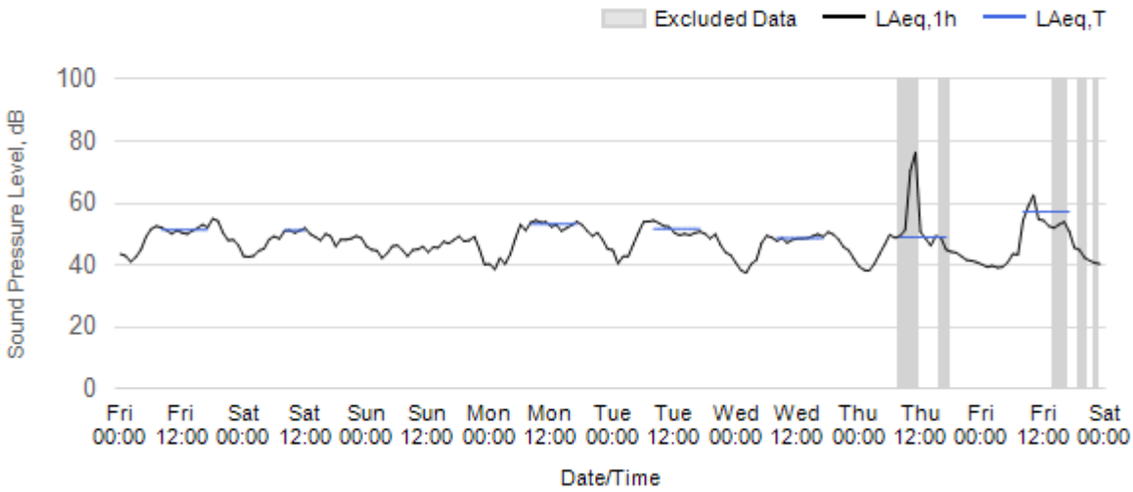
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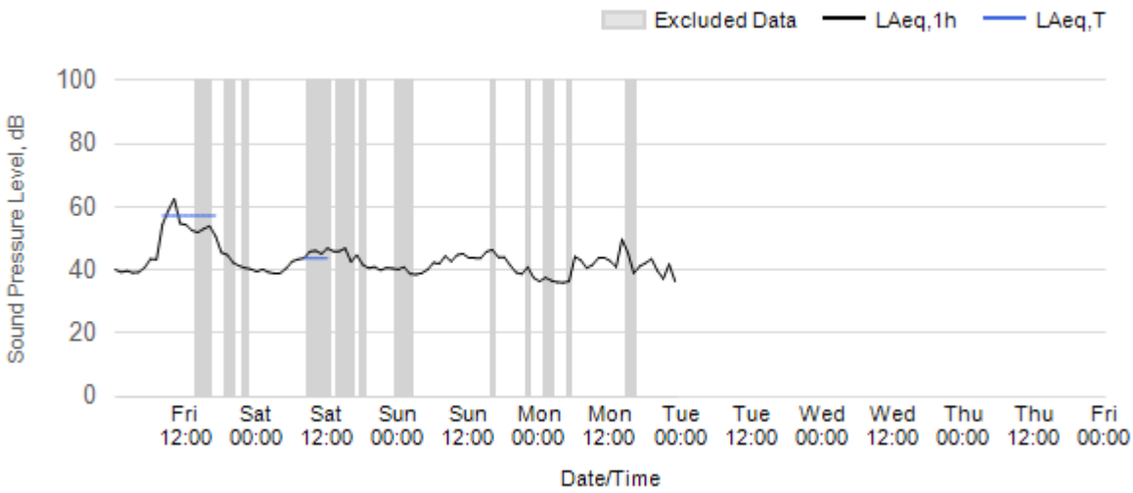
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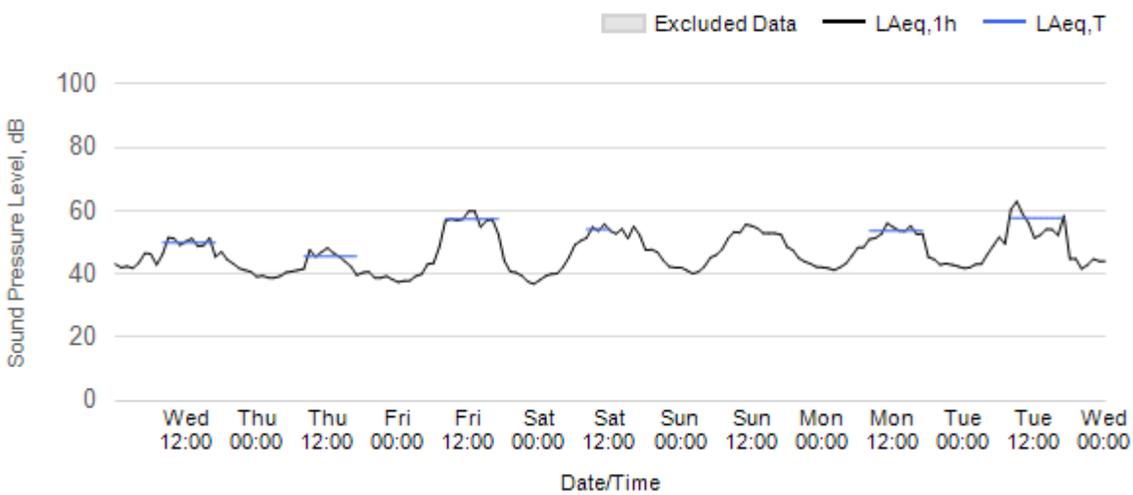


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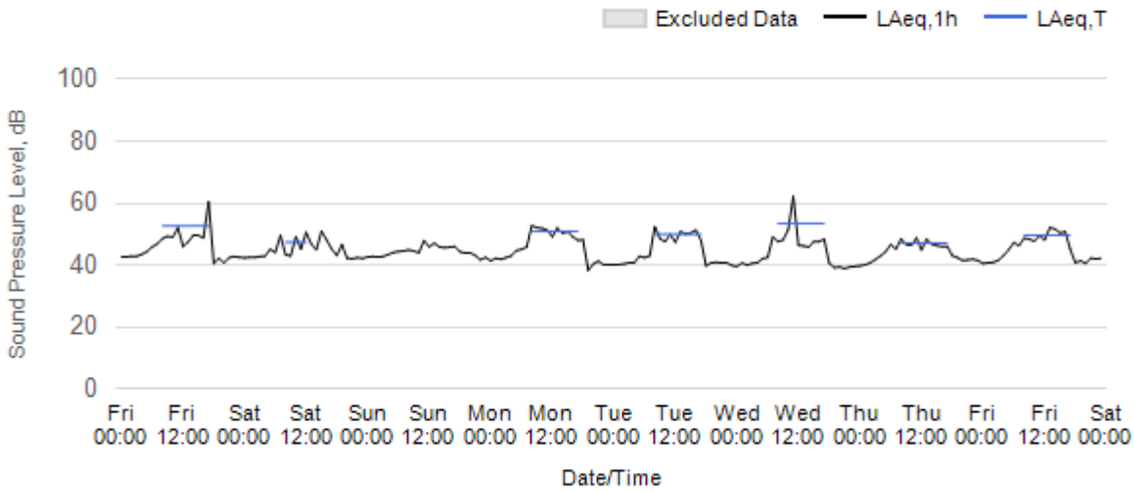


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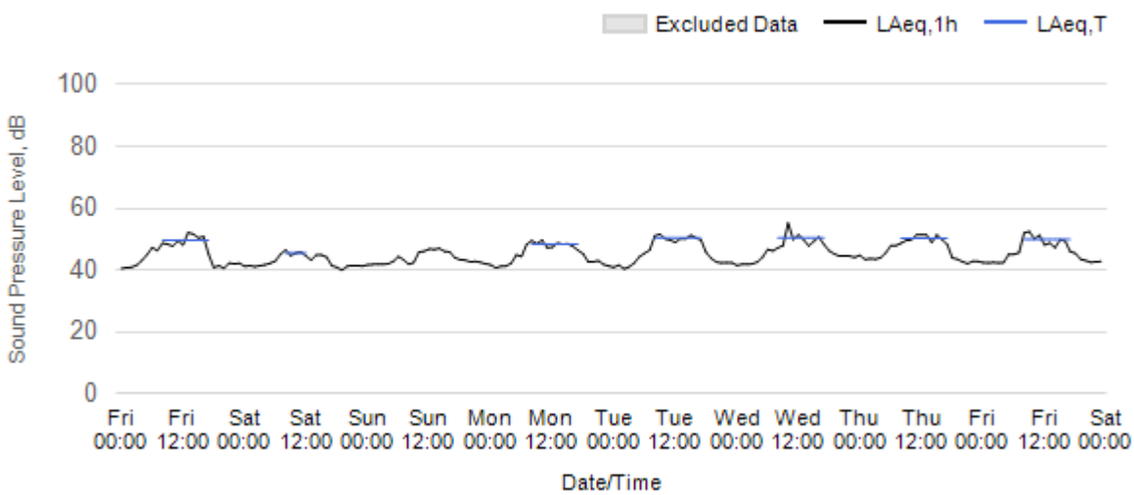
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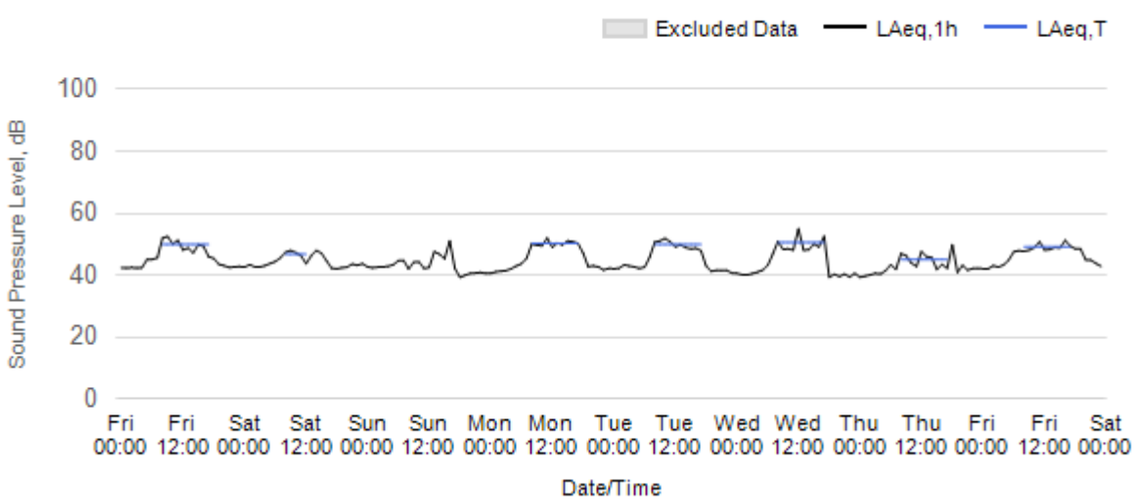
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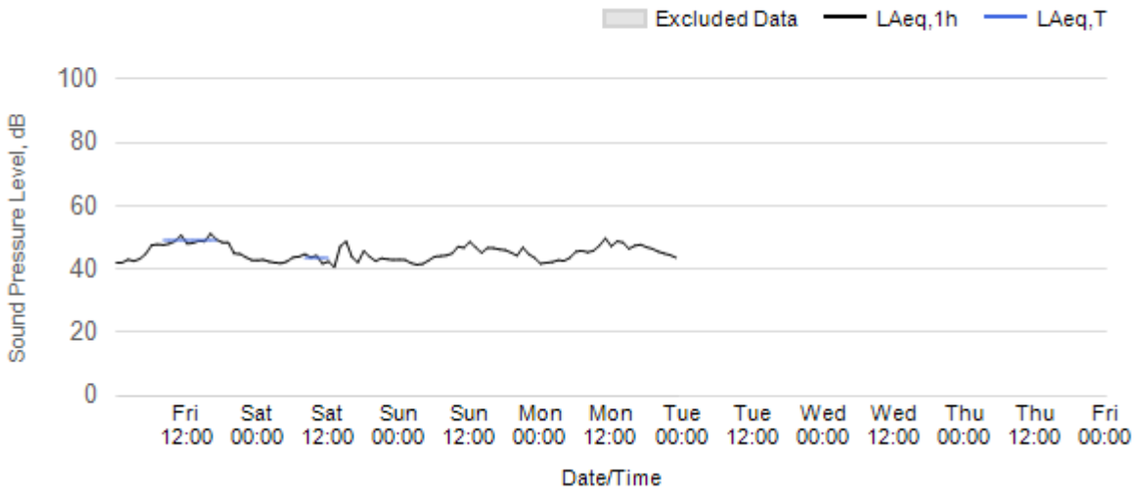
Worksite: A422 TN Monitoring Ref: TN-NMP1 15 August 2026 to 21 August 2026



Worksite: A422 TN Monitoring Ref: TN-NMP1 22 August 2026 to 28 August 2026

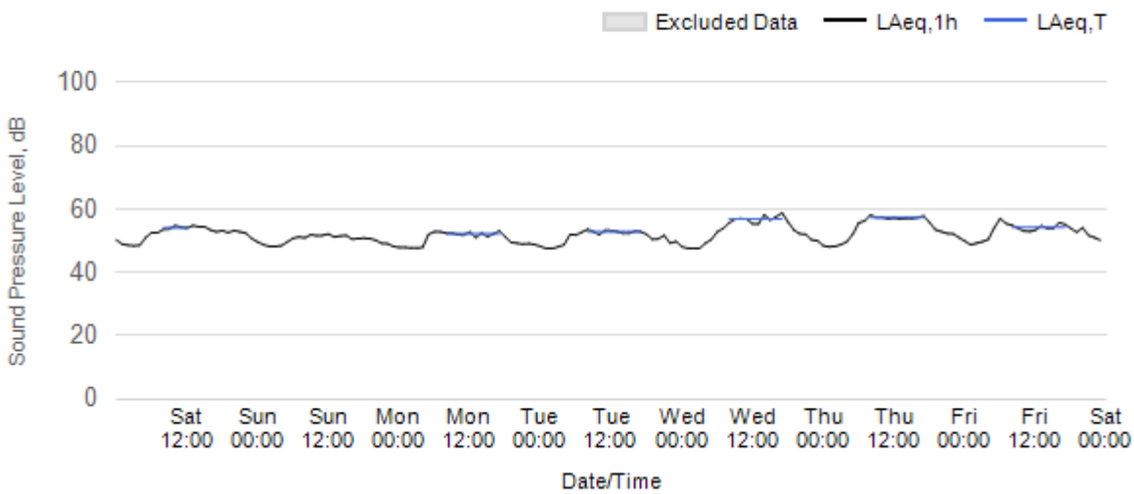


Worksite: A422 TN Monitoring Ref: TN-NMP1 29 August 2026 to 4 September 2026

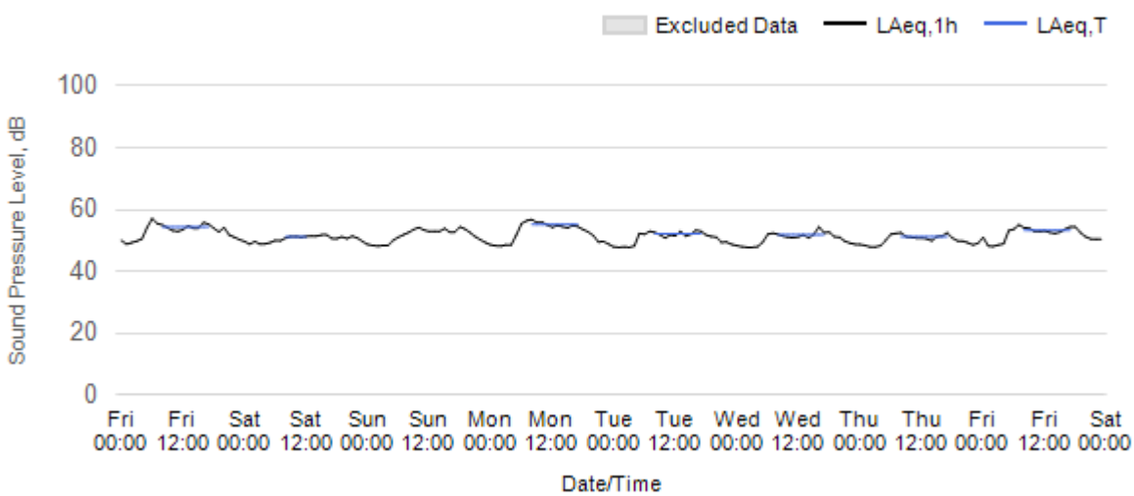


Worksite: WGT - Monitoring Ref: ER-NMP1

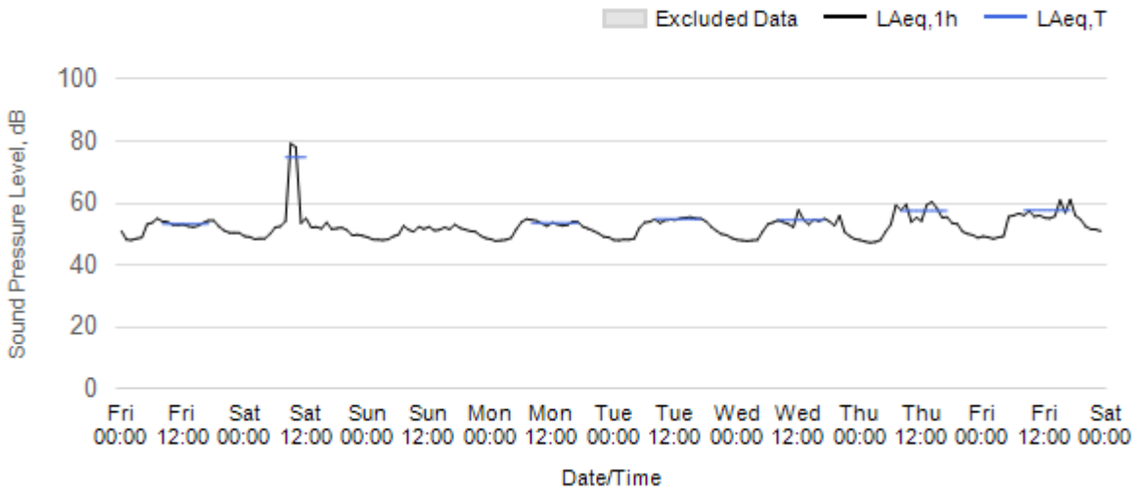
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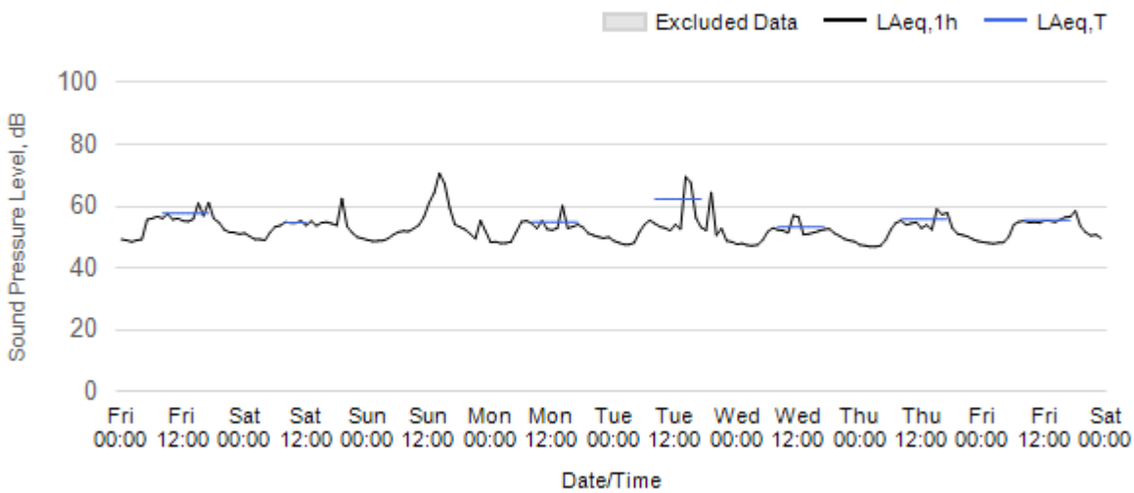
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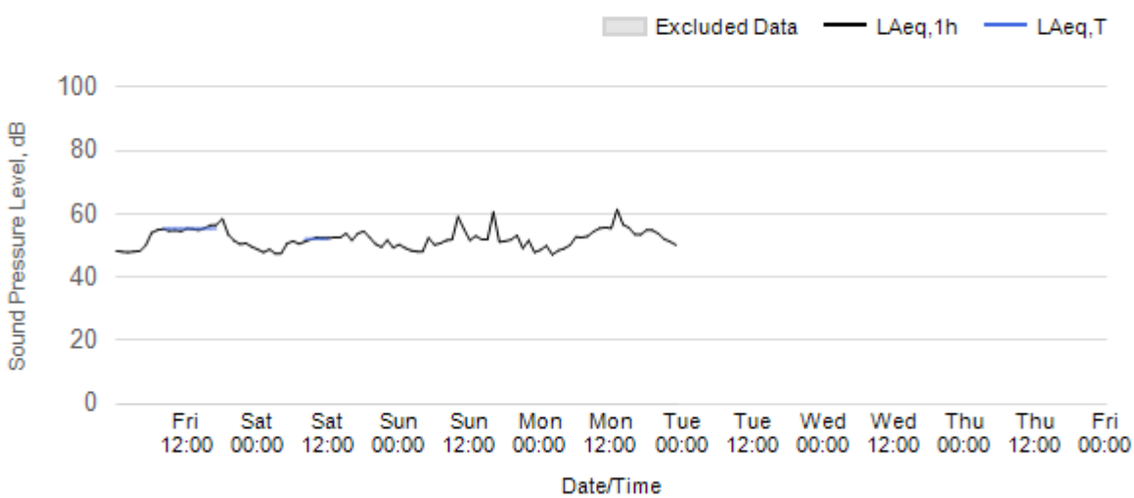
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Worksite: WGT Monitoring Ref: ER-NMP1 22 August 2026 to 28 August 2026

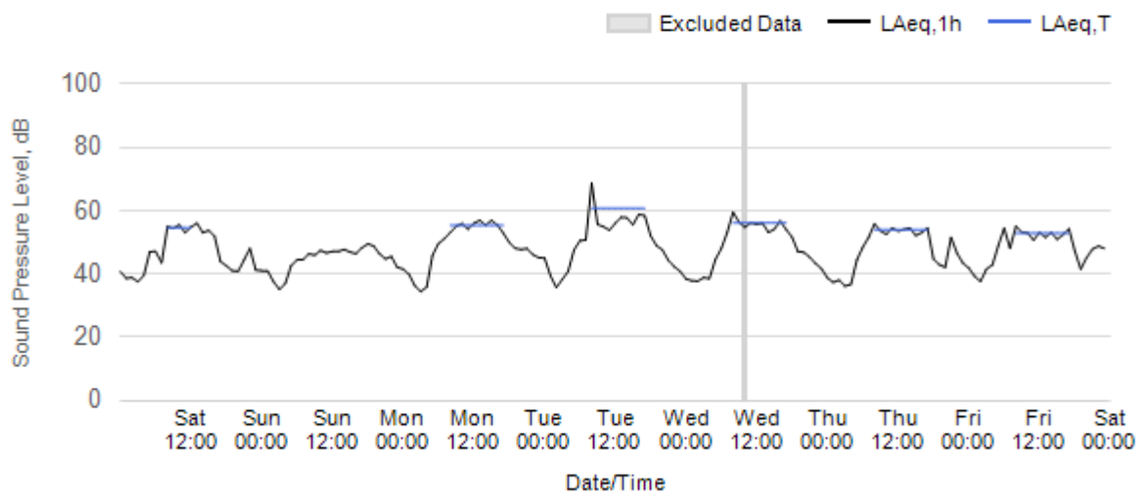


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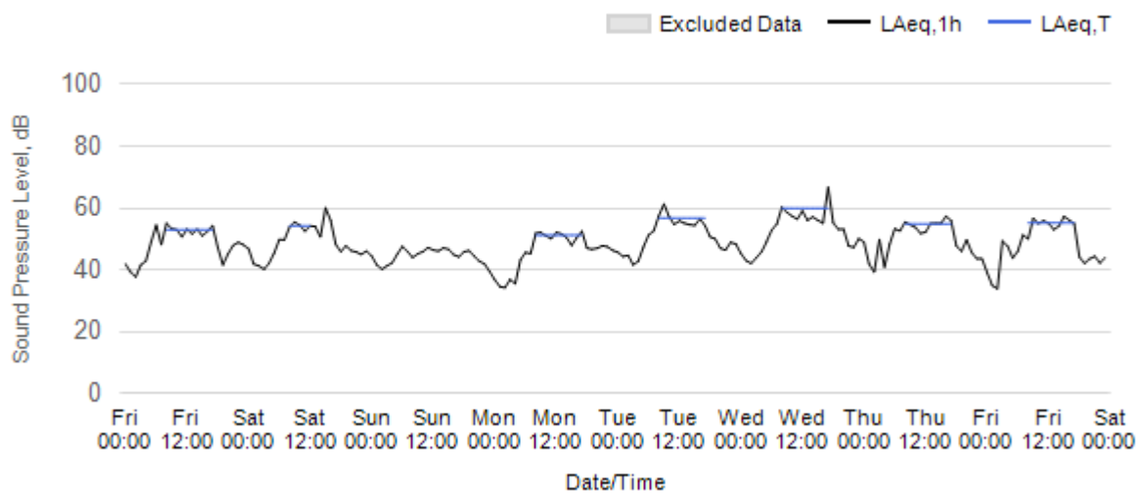


Worksite: NLL - Monitoring Ref: NLL-NMP2

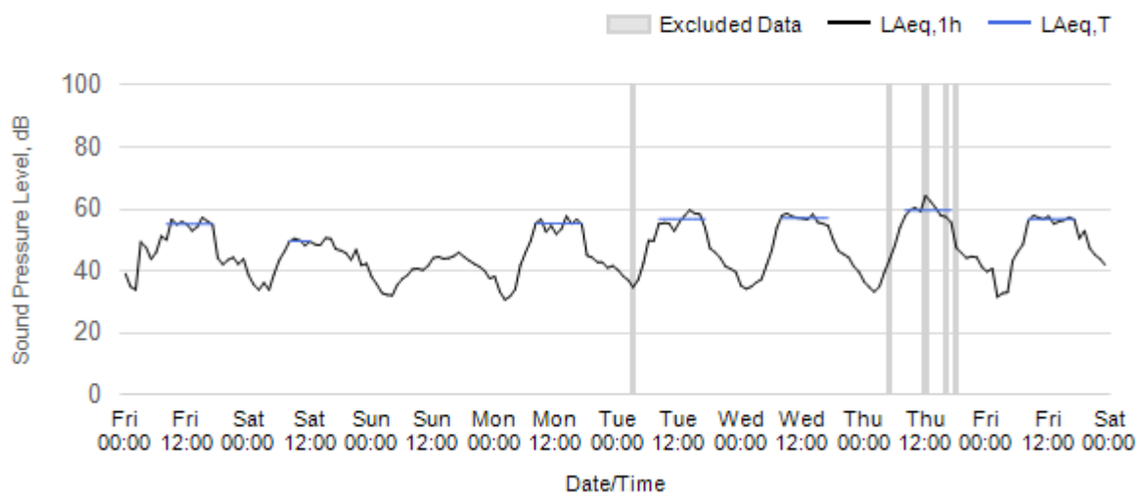
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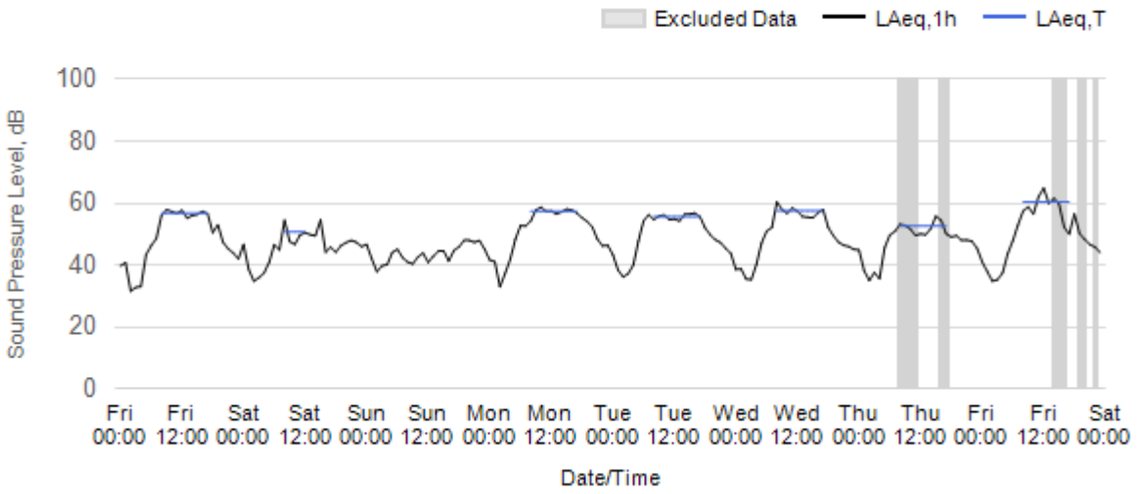
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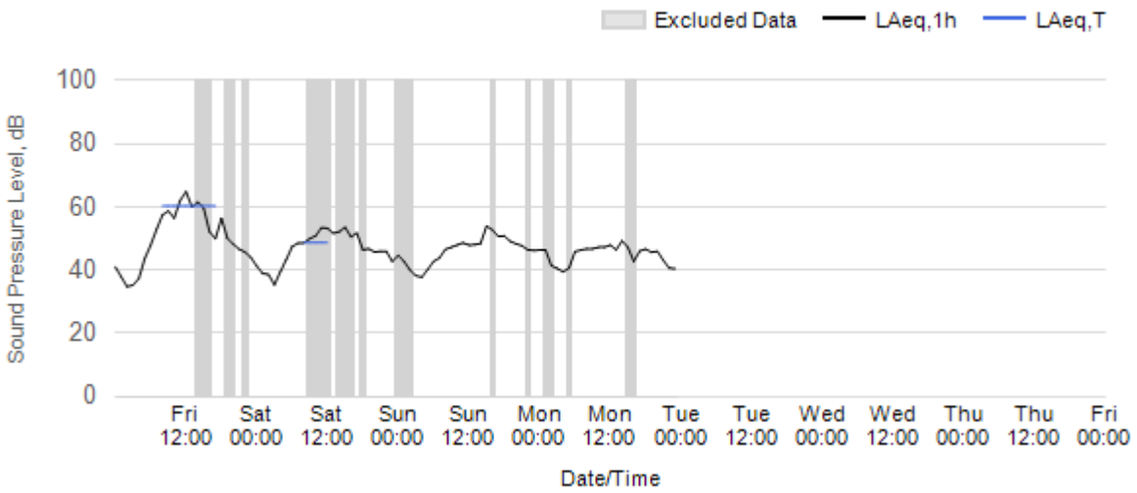
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Worksite: NLL Monitoring Ref: NLL-NMP2 22 August 2026 to 28 August 2026

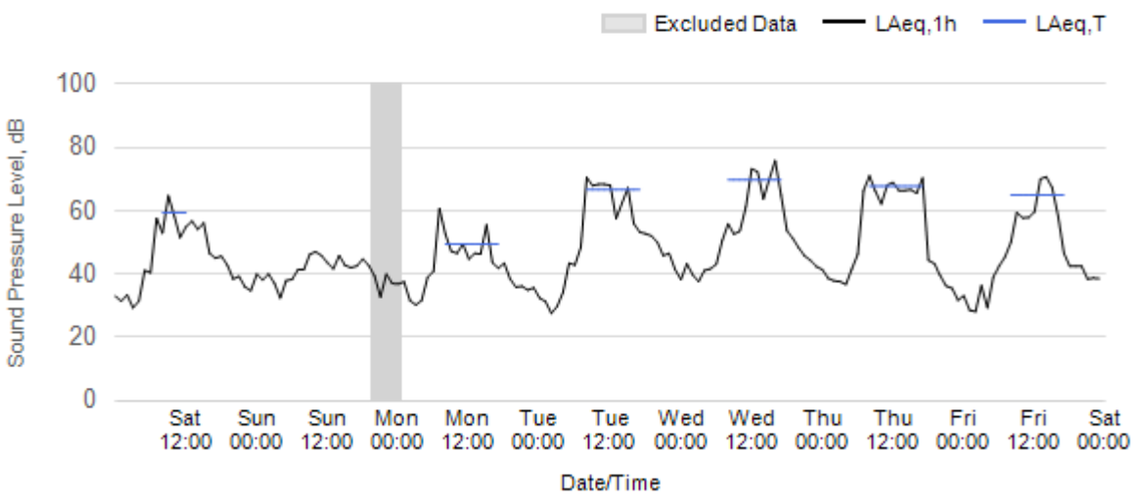


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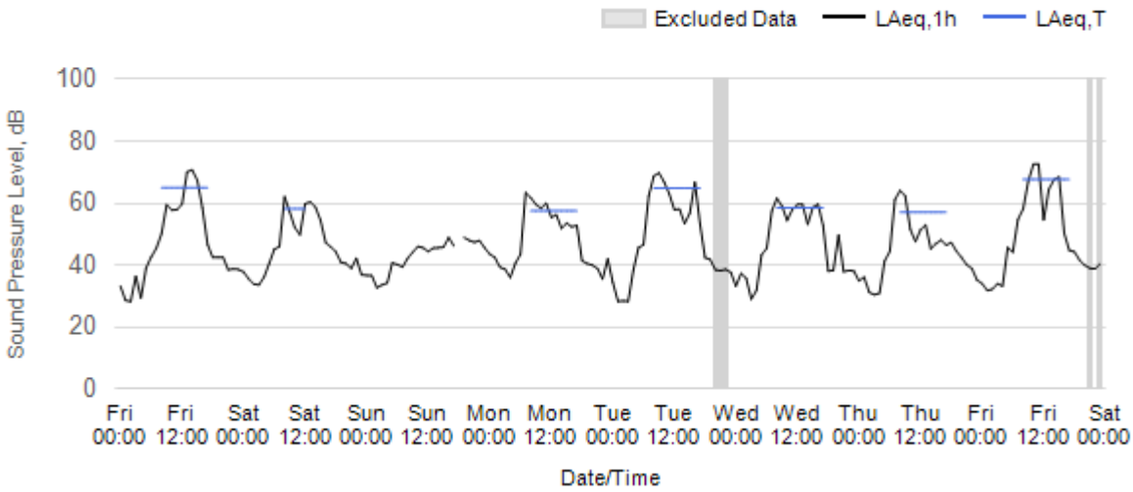


Worksite: SH - Monitoring Ref: PKF-NMP1

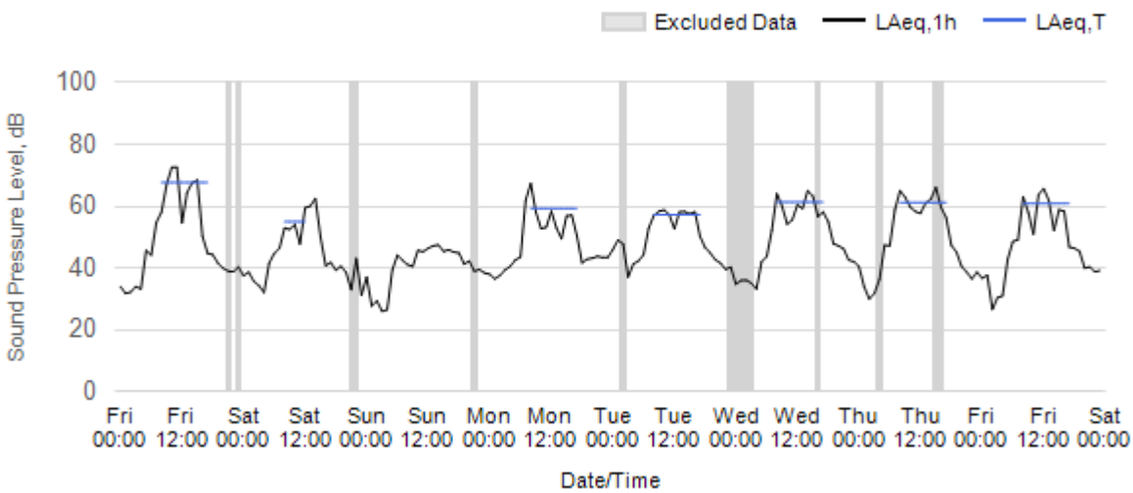
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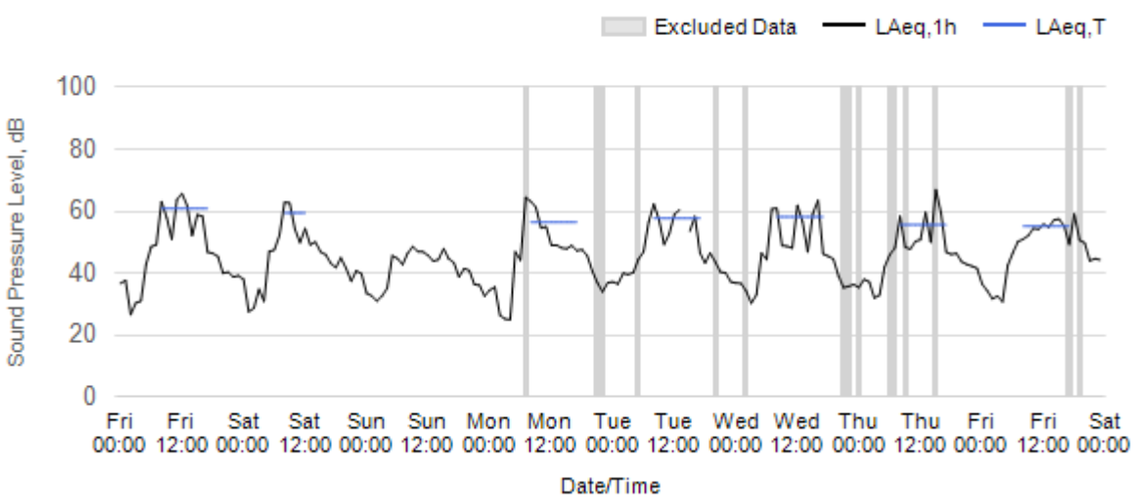
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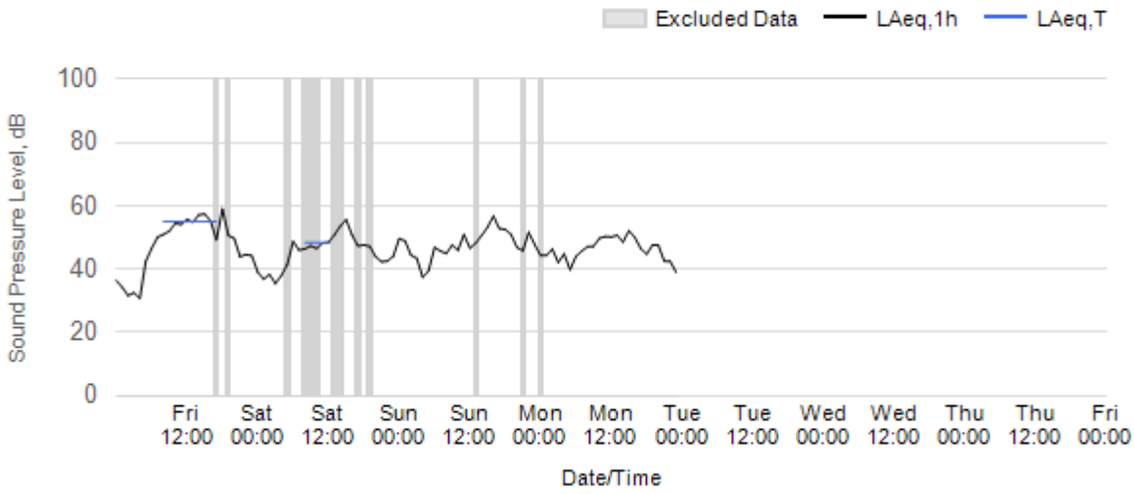
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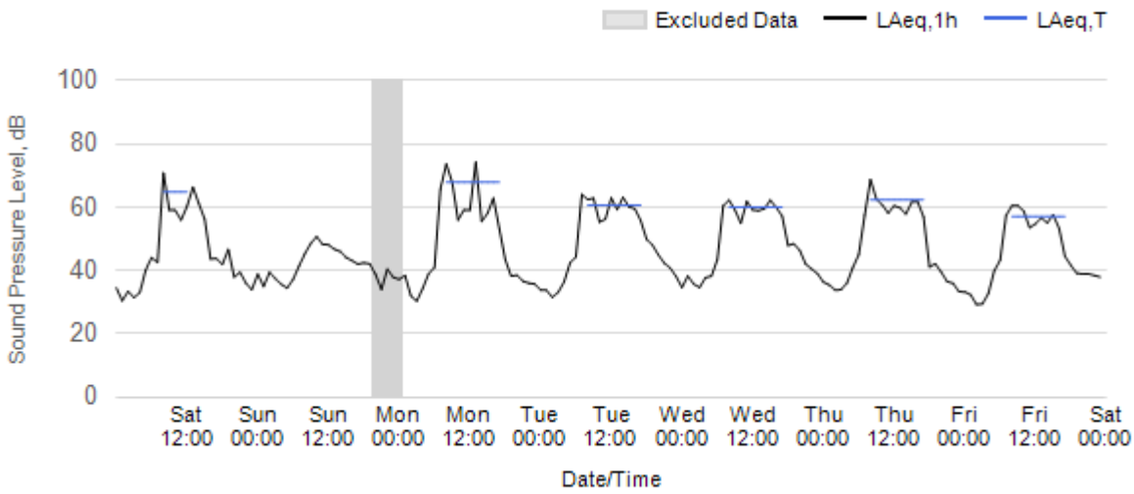


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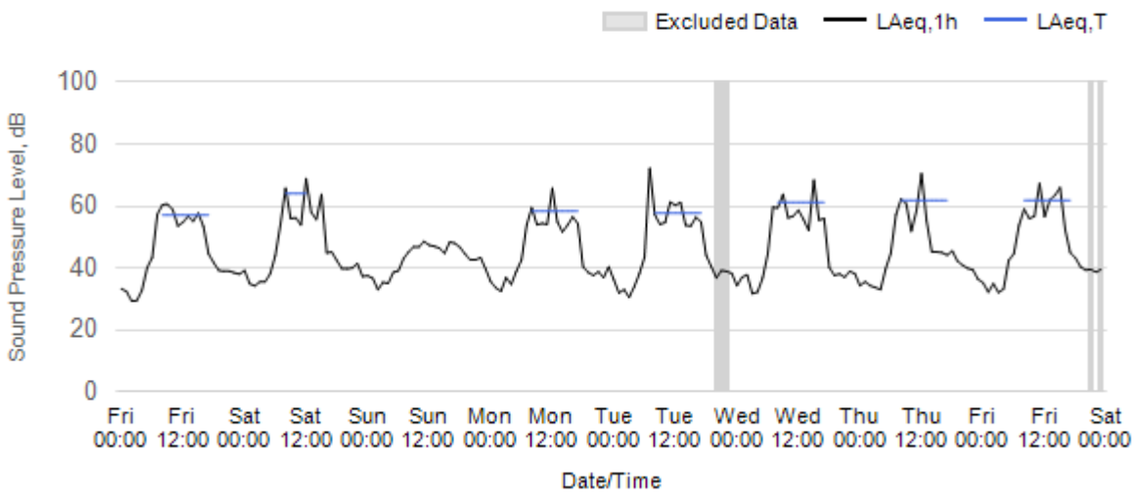


Worksite: SH - Monitoring Ref: HHF-NMP1

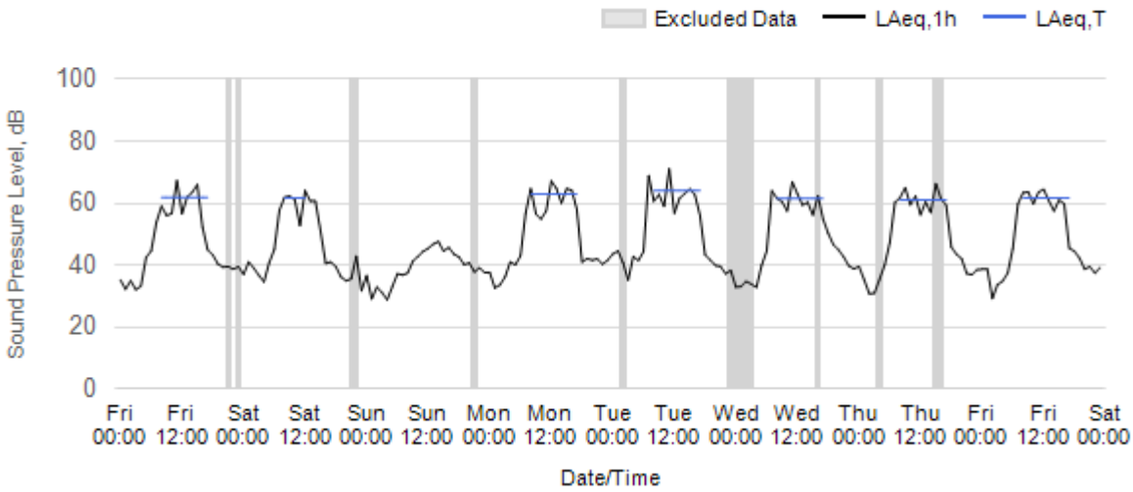
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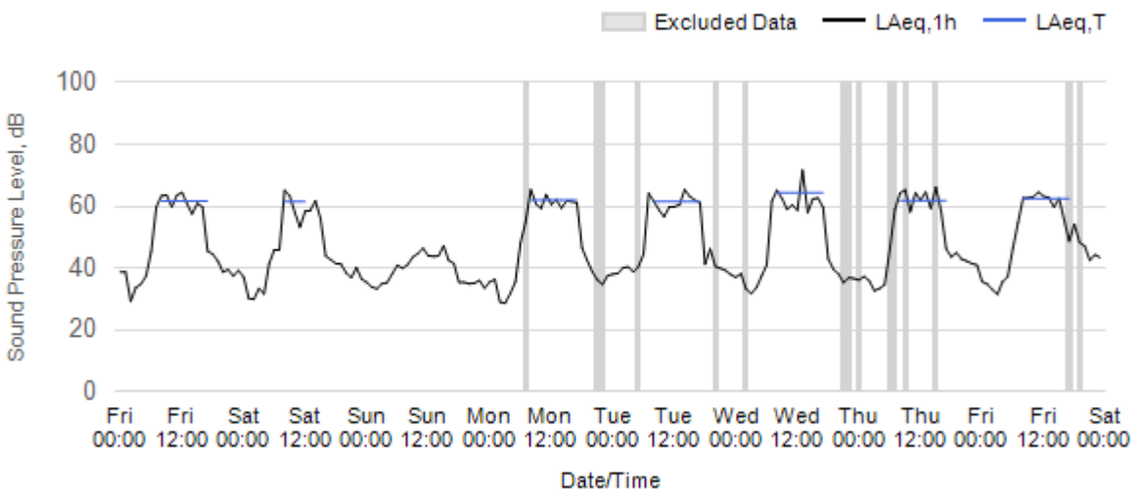
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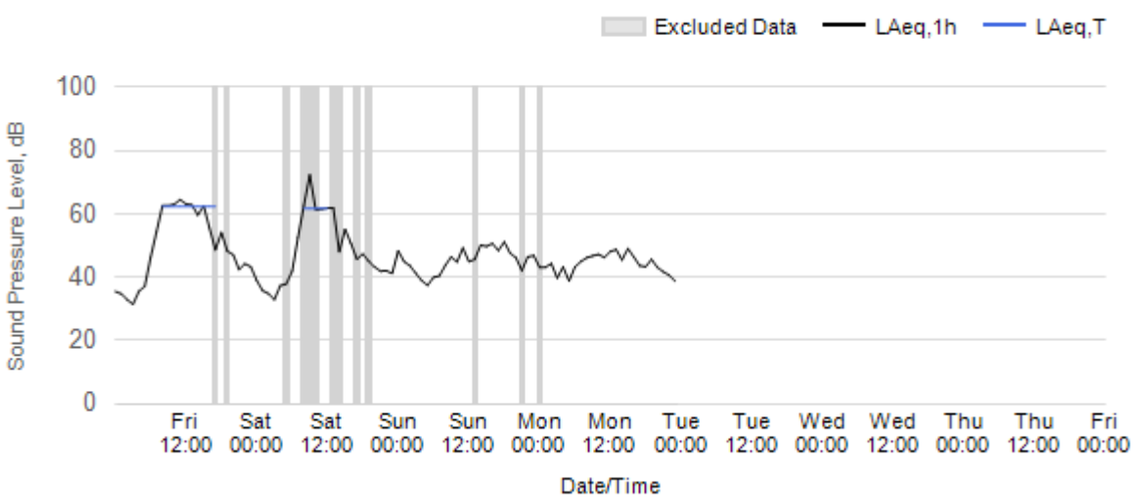
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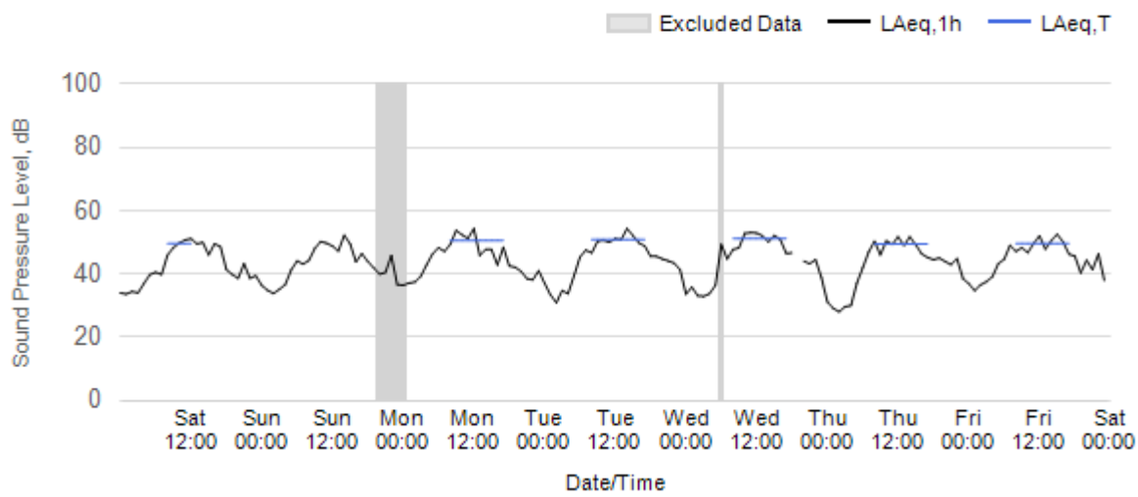


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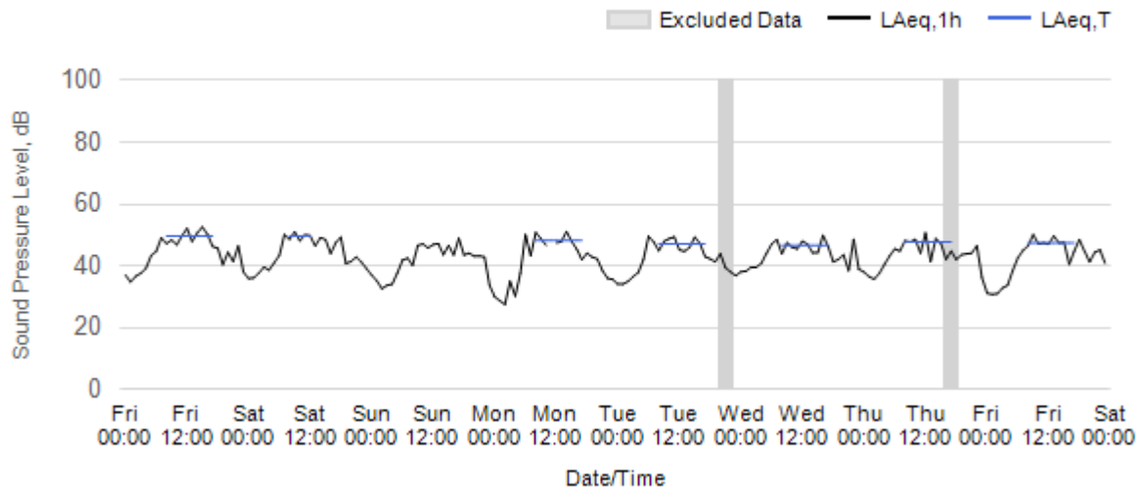


Worksite: CSP - Monitoring Ref: CSP-NMP2

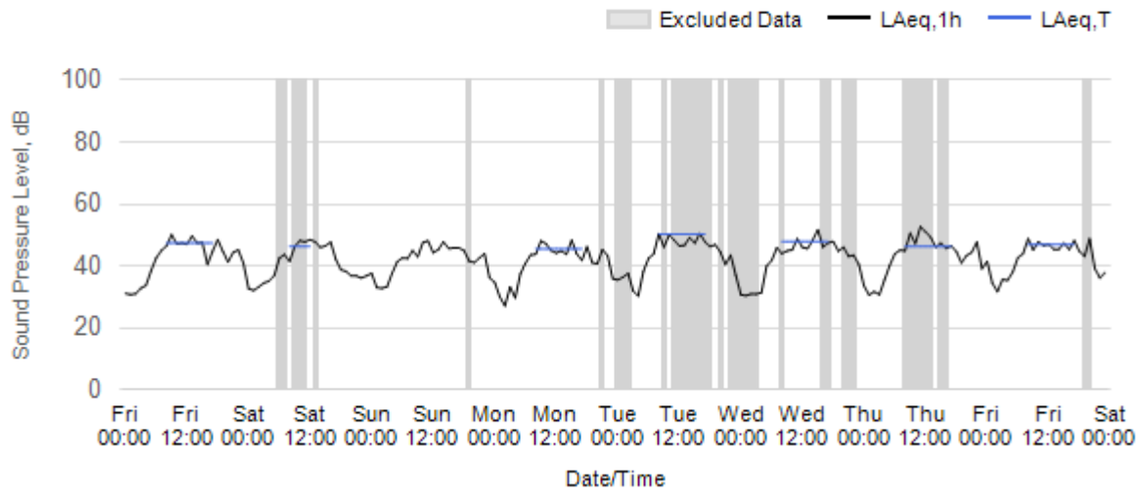
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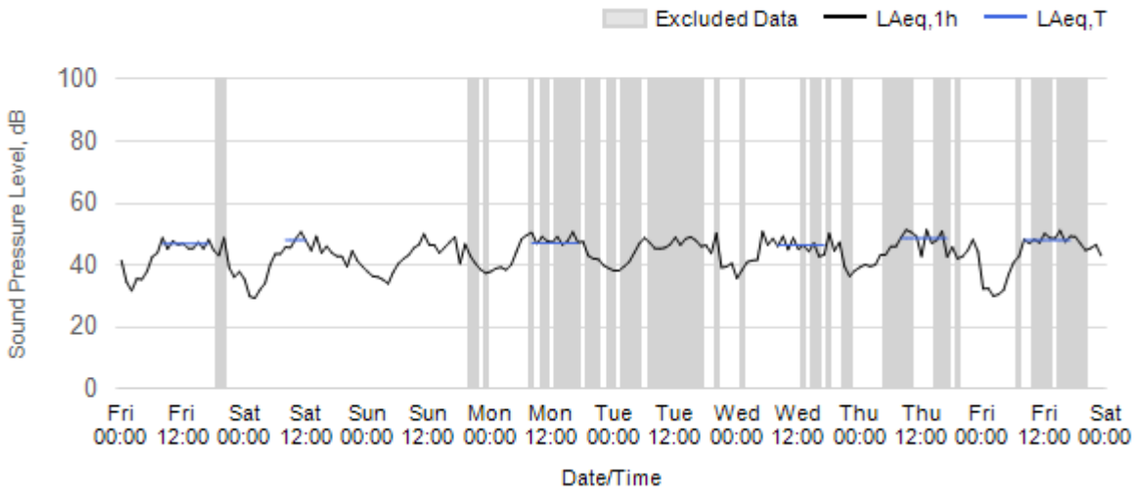
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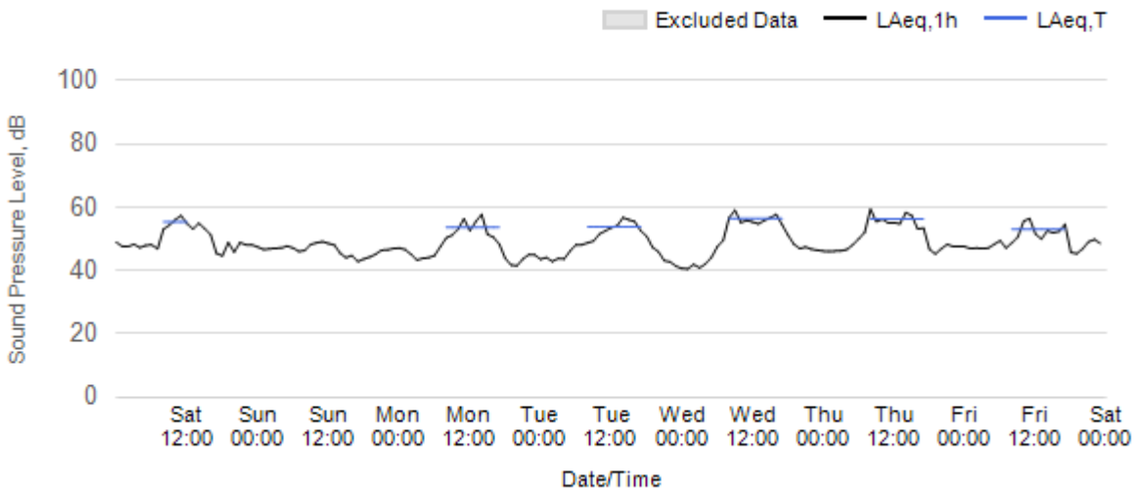


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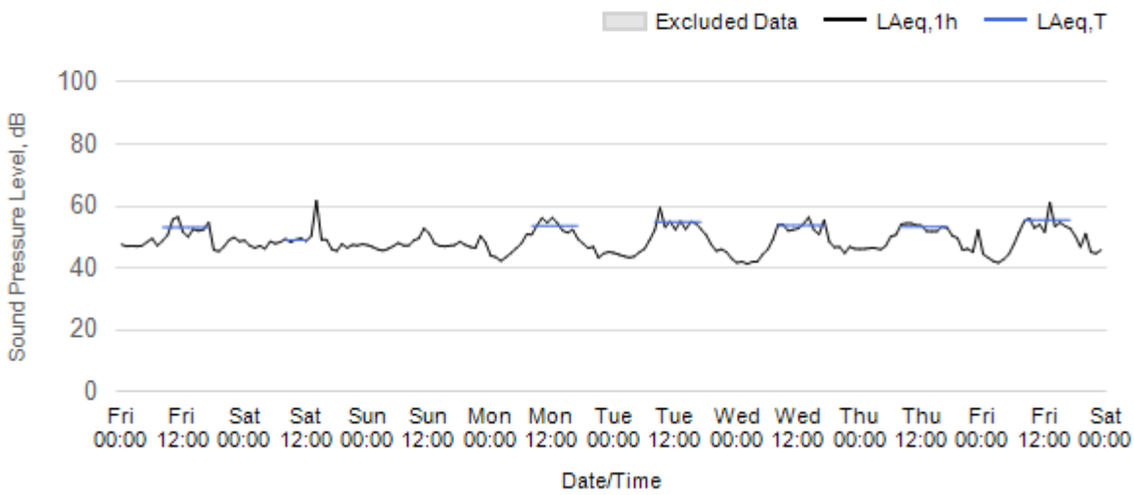


Worksite: RLE - Monitoring Ref: NCAS6-NMP1

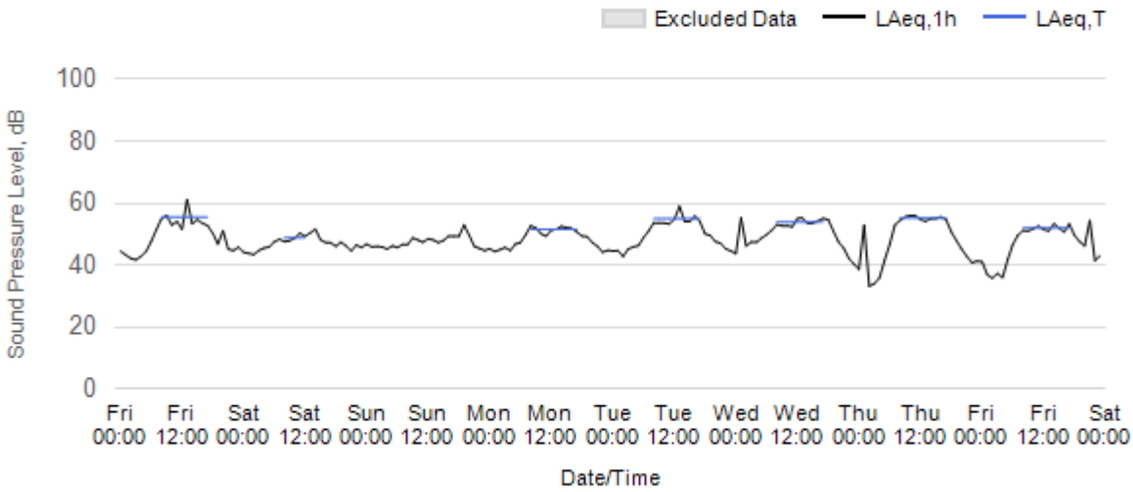
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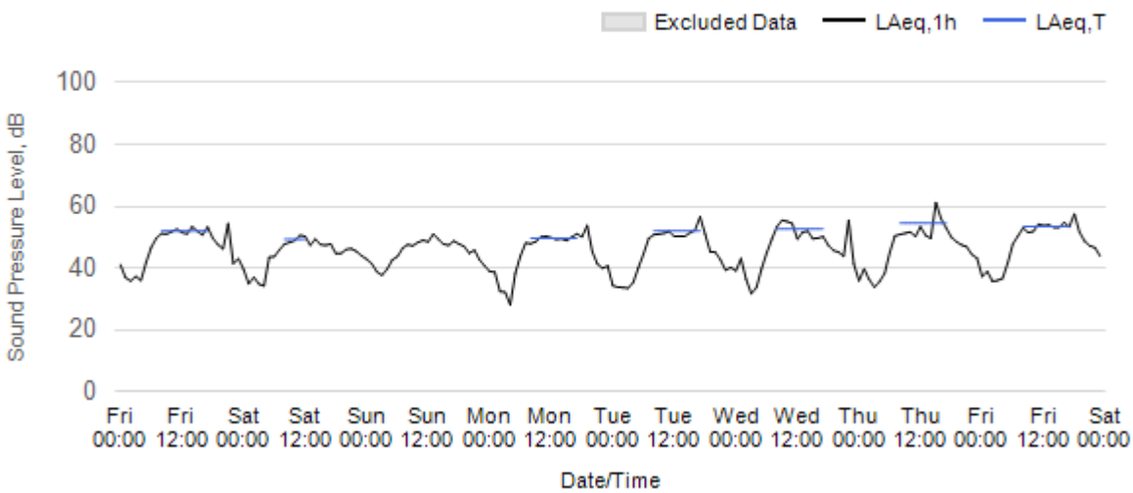
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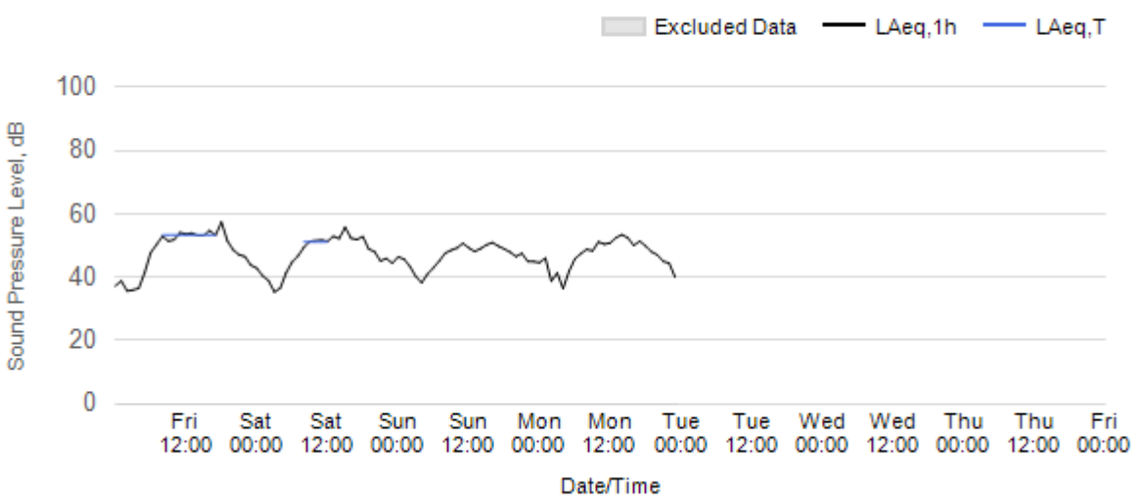
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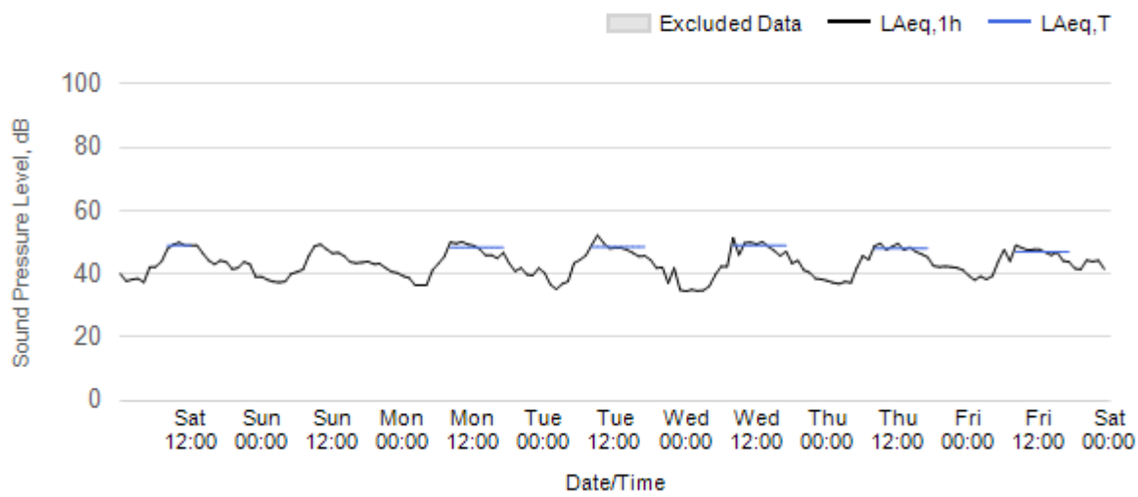


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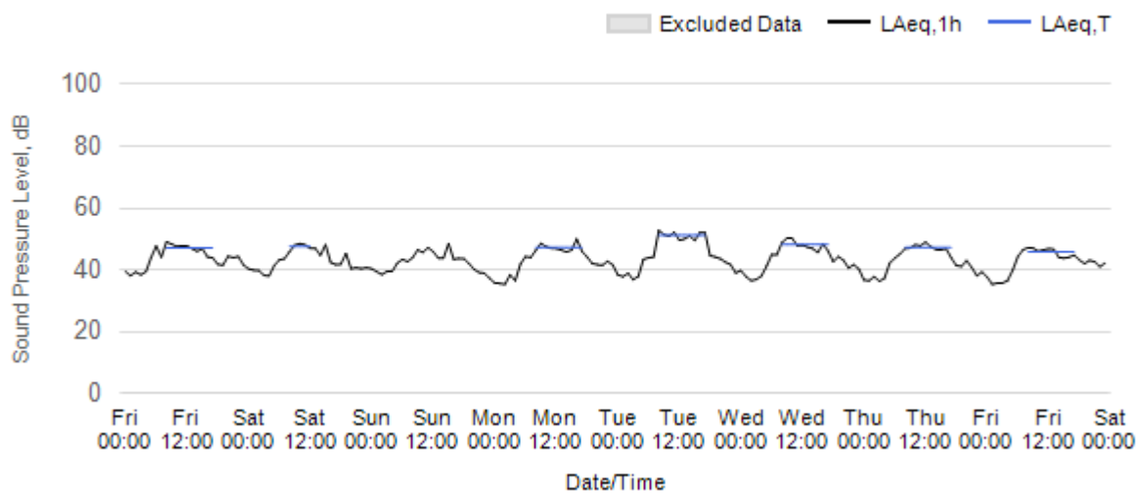


Worksite: WGT - Monitoring Ref: BL-NMP1

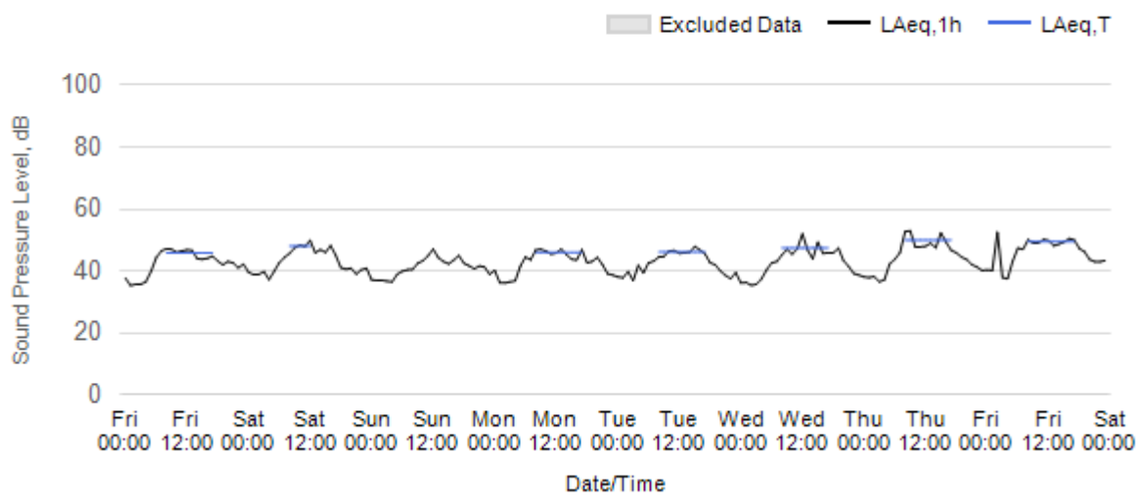
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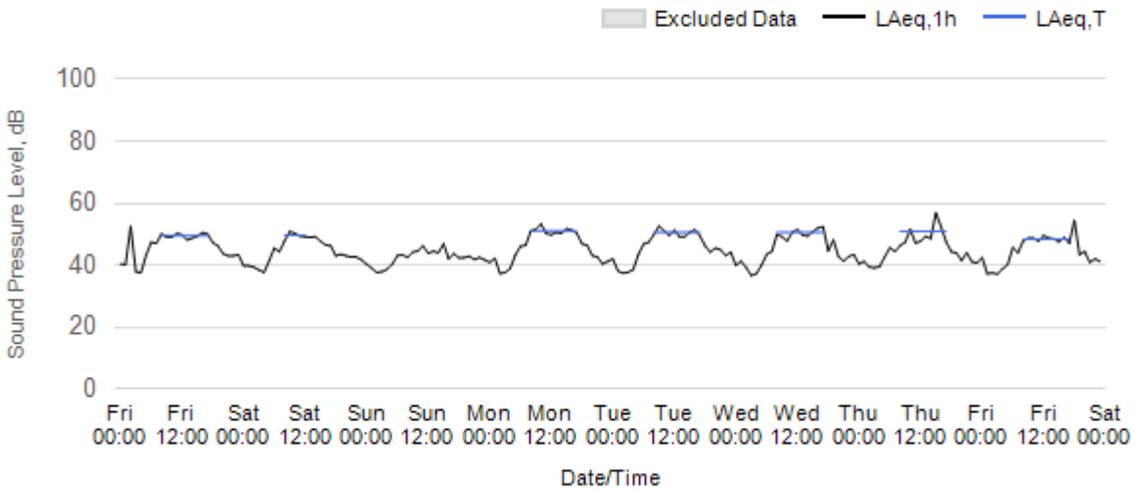
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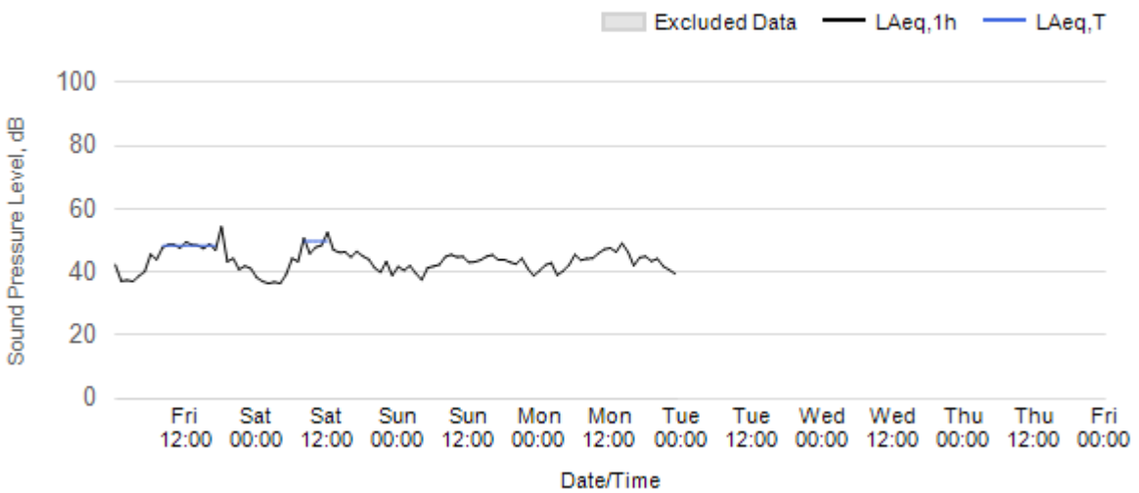
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Worksite: WGT Monitoring Ref: BL-NMP1 22 August 2026 to 28 August 2026



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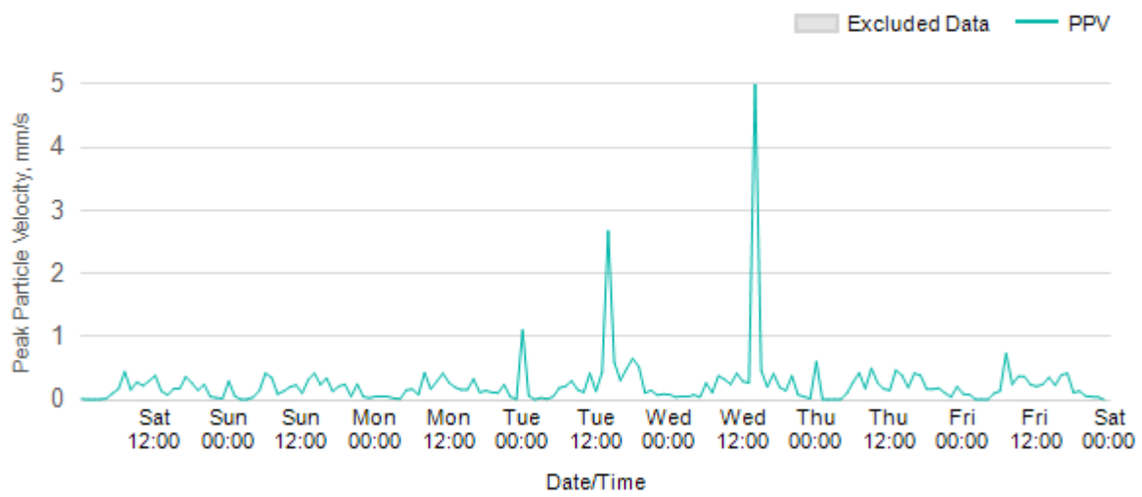


Vibration

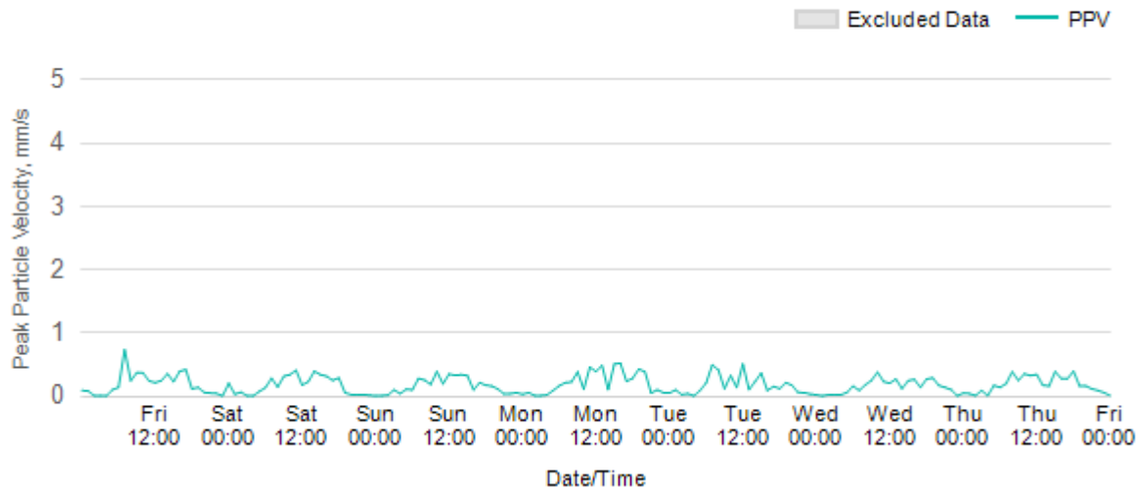
The following graphs show the hourly measured peak particle velocity PPV recorded during the monitoring period. The graphs show the resultant PPV due to vibration components on three orthogonal axis x, y and z. Where high values of PPV were caused by local interference with the vibration monitor, which 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: HH - Monitoring Ref: HH-Vib1

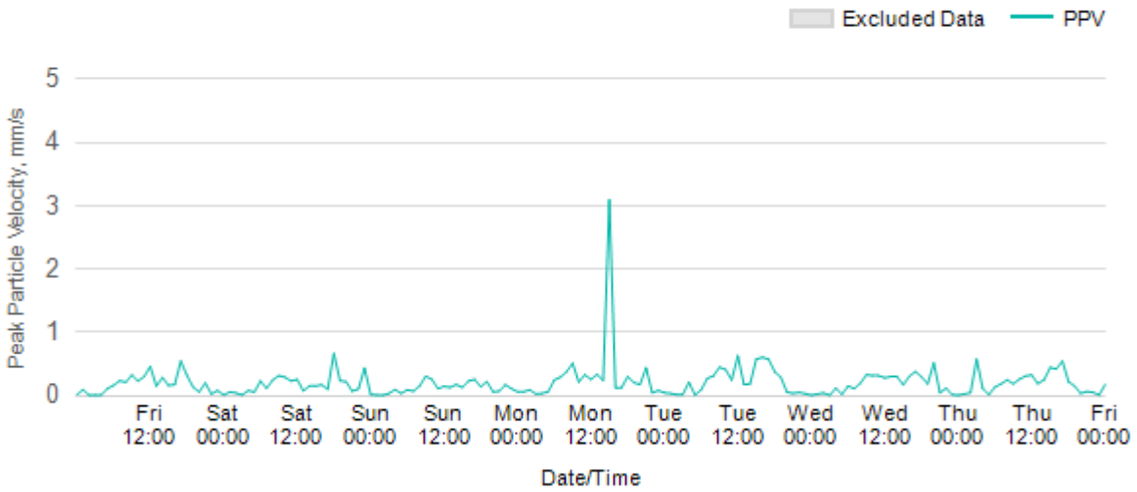
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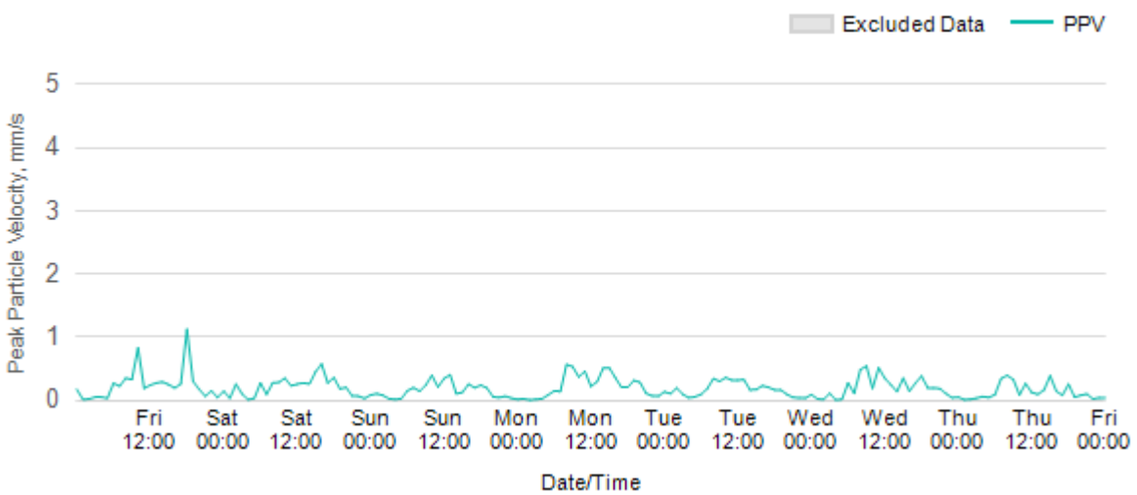
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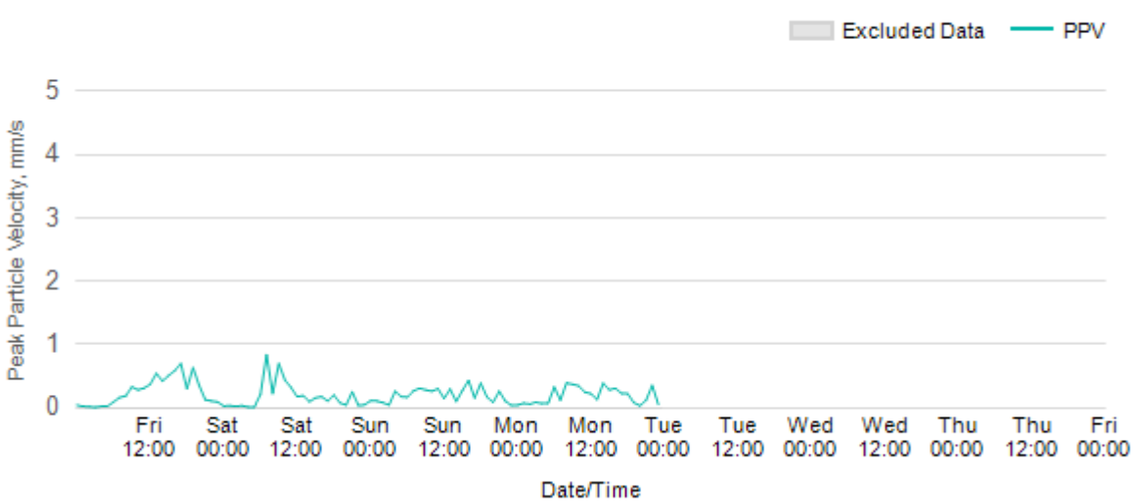
Worksite: HH Monitoring Ref: HH-Vib1 15 August 2026 to 21 August 2026



Worksite: HH Monitoring Ref: HH-Vib1 22 August 2026 to 28 August 2026

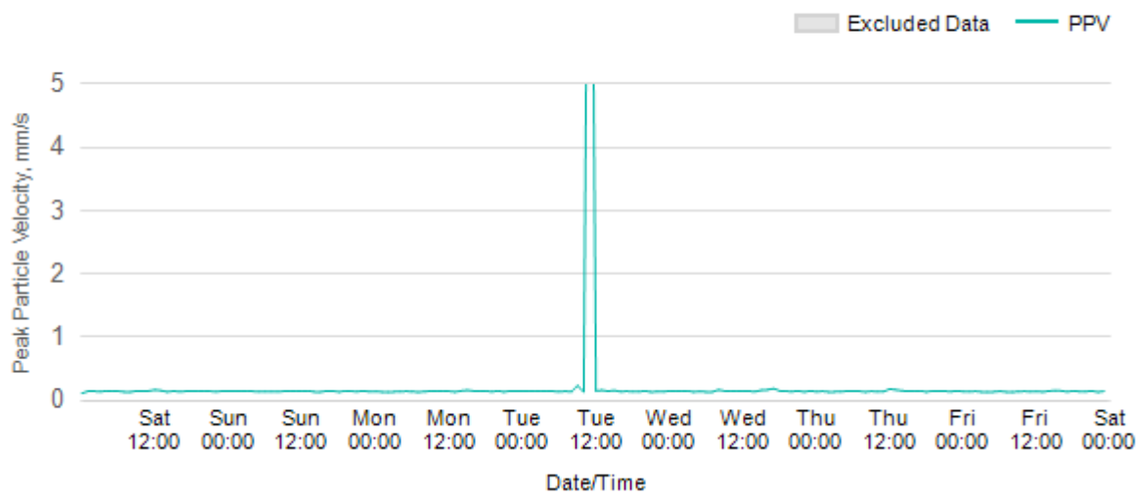


Worksite: HH Monitoring Ref: HH-Vib1 29 August 2026 to 4 September 2026

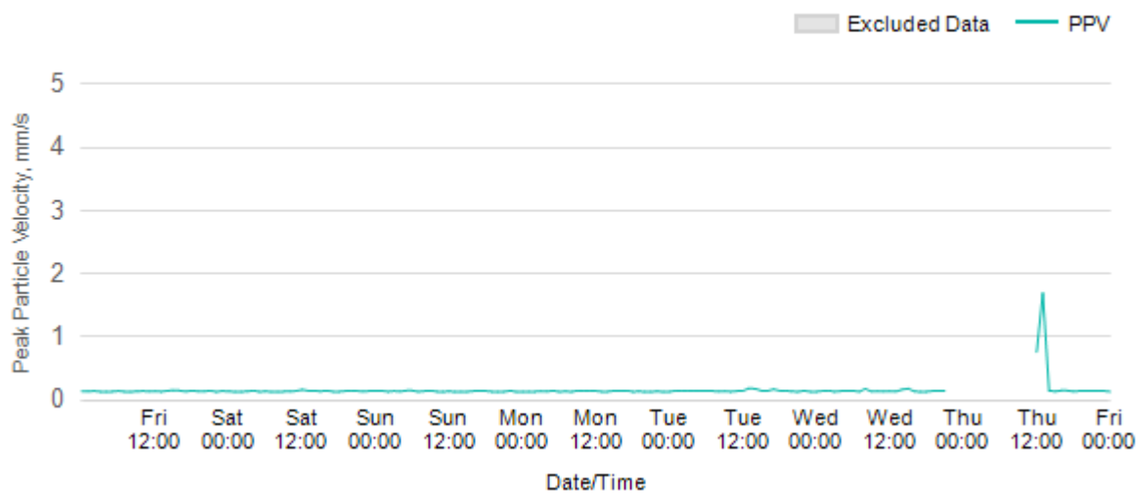


Worksite: BL - Monitoring Ref: BL-Vib1

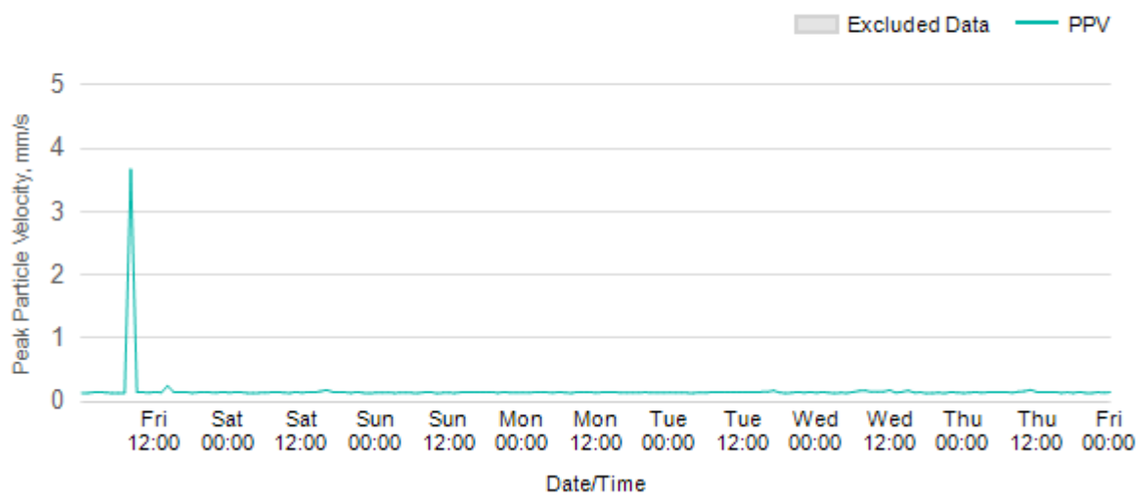
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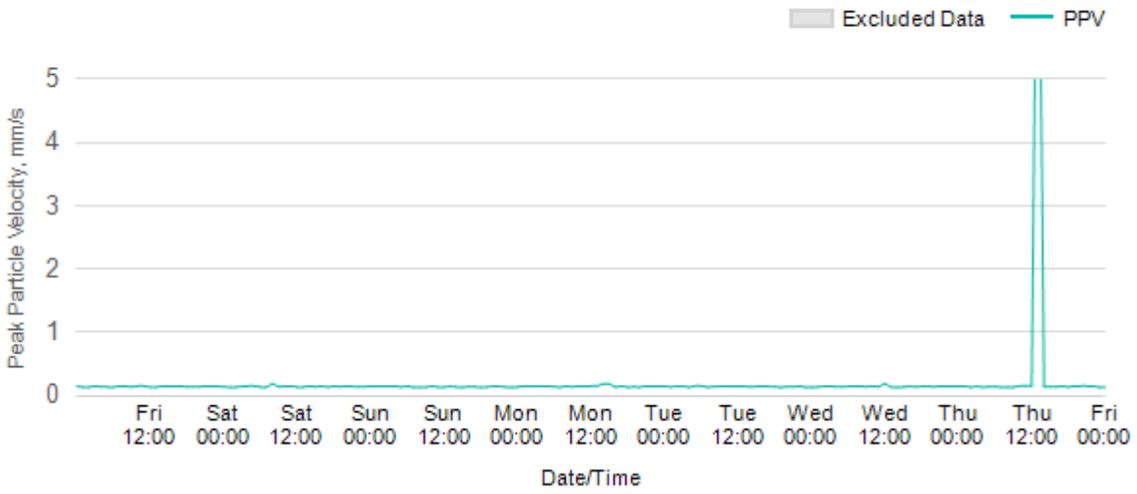
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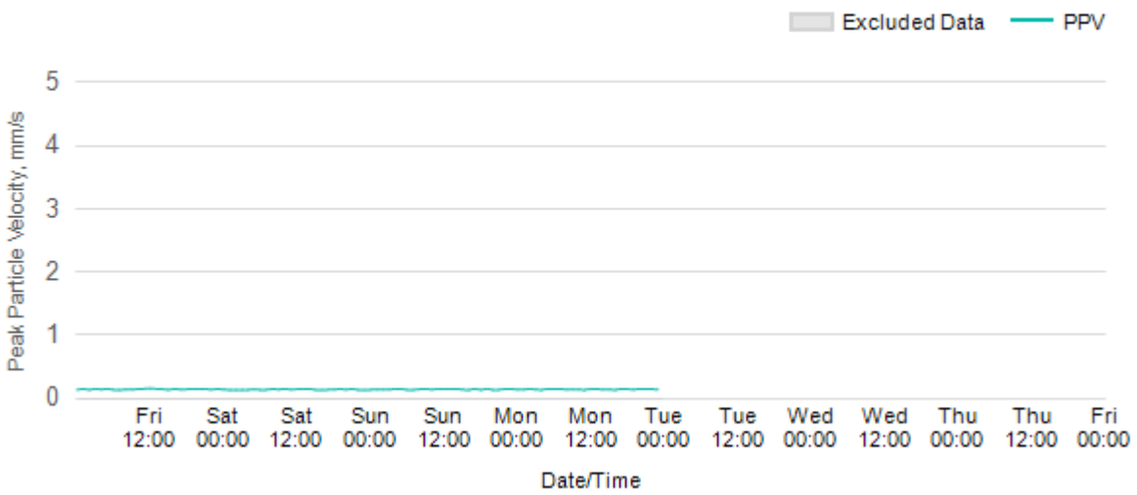
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Worksite: BL Monitoring Ref: BL-Vib1 22 August 2026 to 28 August 2026

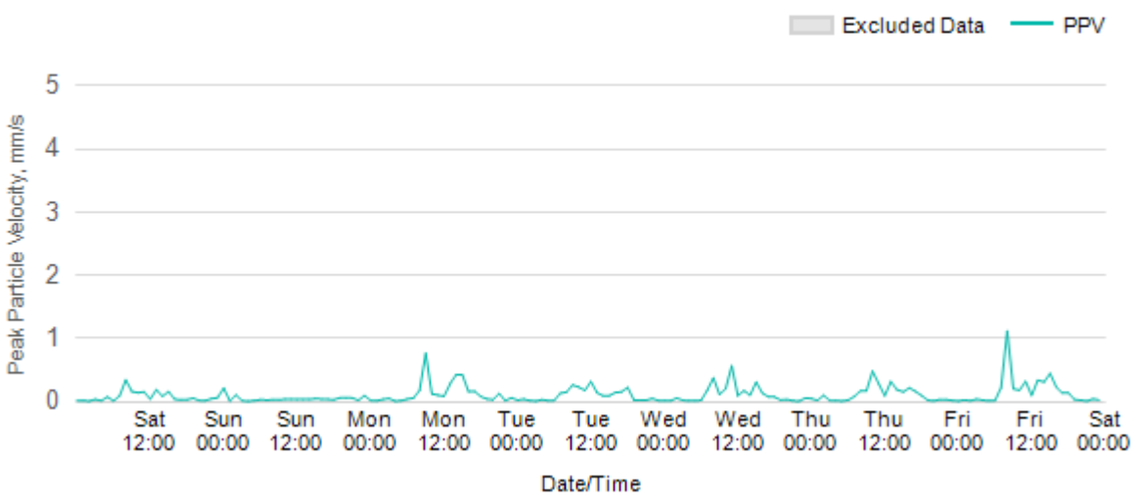


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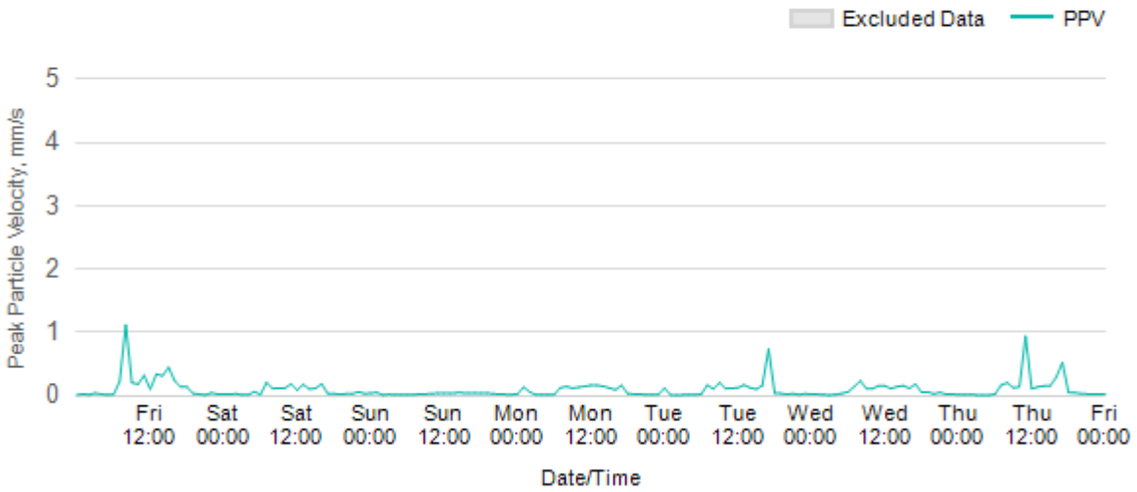


Worksite: SE - Monitoring Ref: SE-Vib1

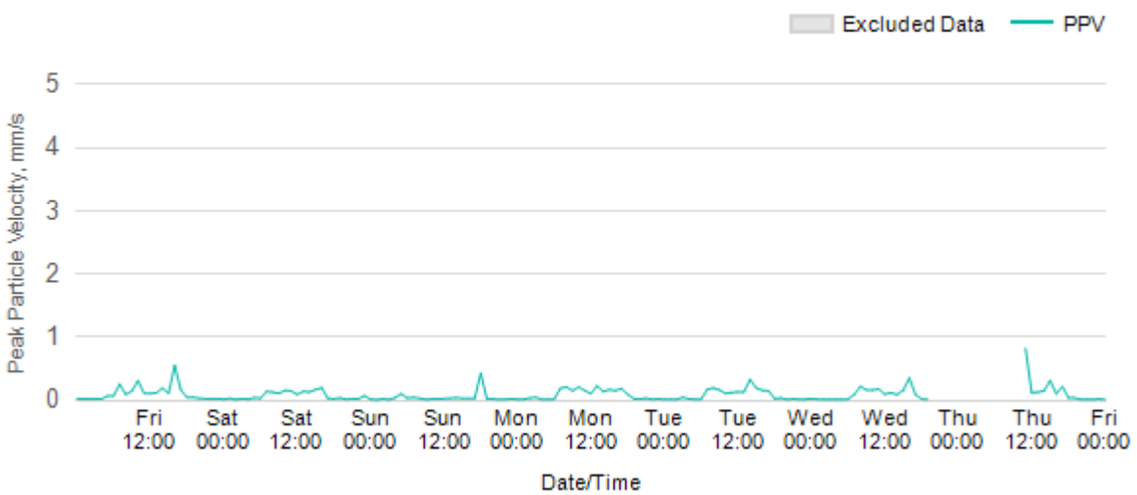
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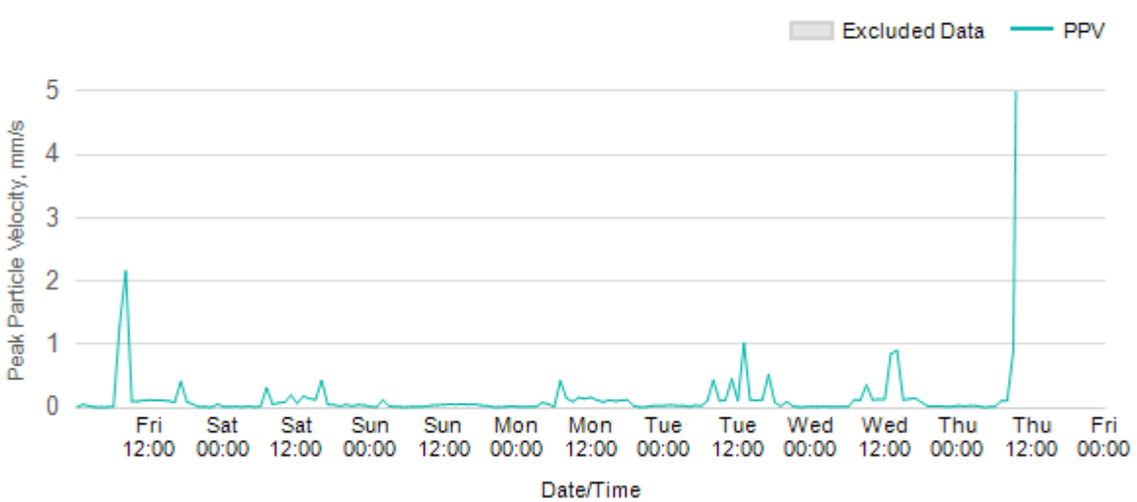
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Worksite: SE Monitoring Ref: SE-Vib1 15 August 2026 to 21 August 2026

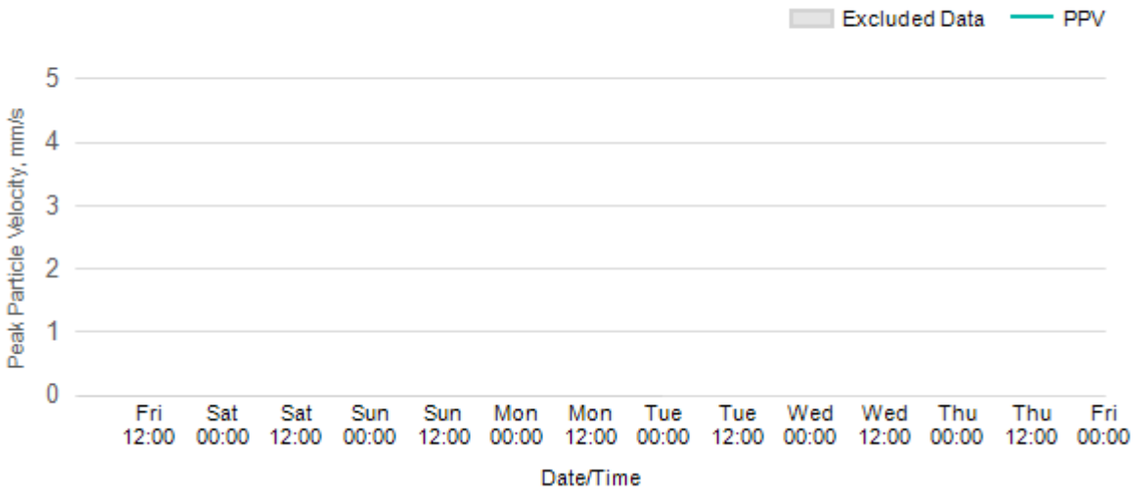


Worksite: SE Monitoring Ref: SE-Vib1 22 August 2026 to 28 August 2026



Note: Missing data due to a fault with monitoring equipment.

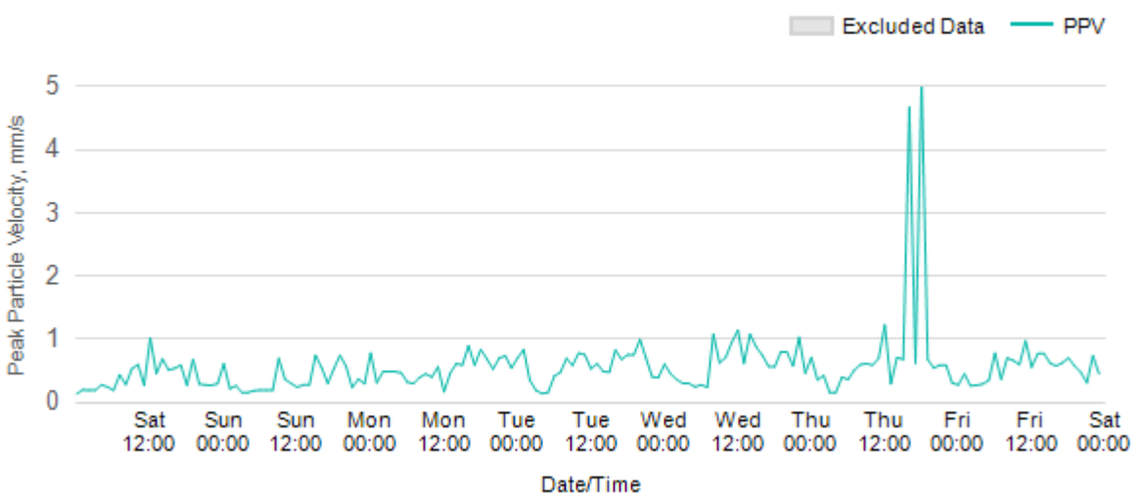
Worksite: SE Monitoring Ref: SE-Vib1 29 August 2026 to 4 September 2026



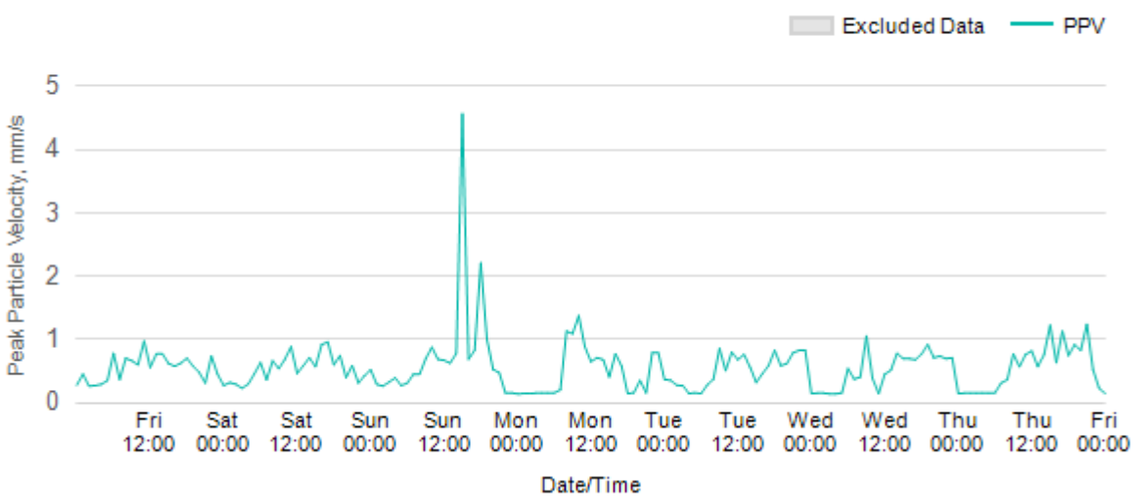
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Worksite: ER - Monitoring Ref: ER-Vib1

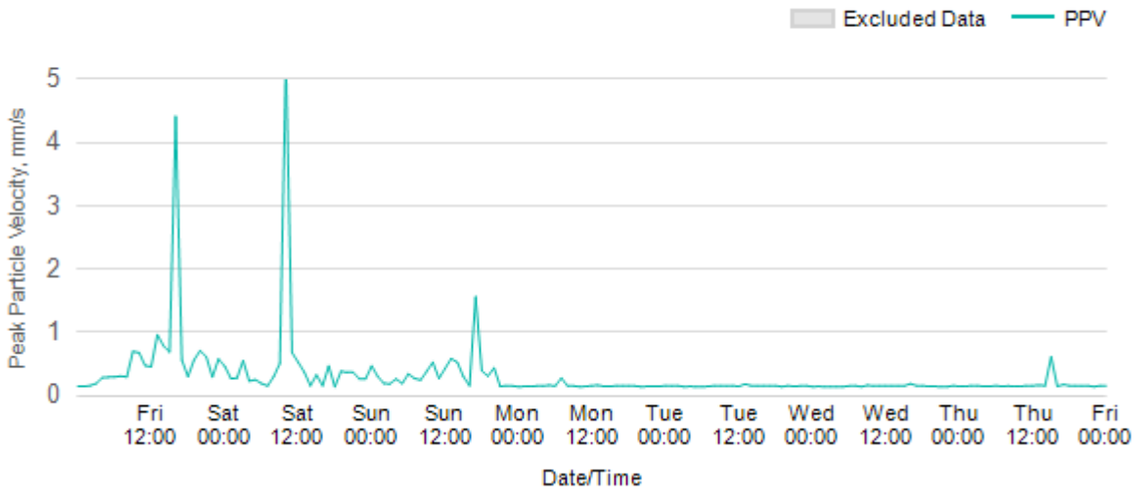
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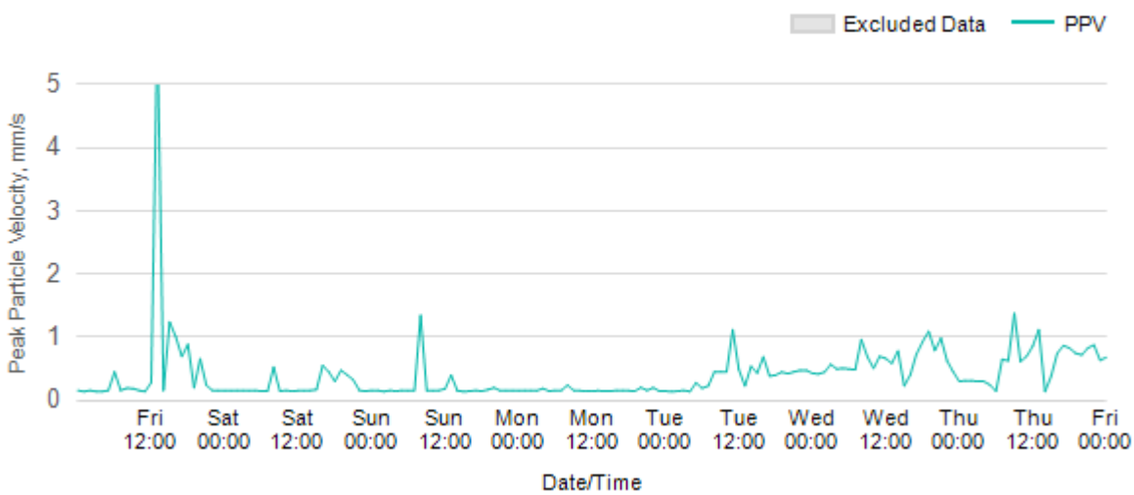
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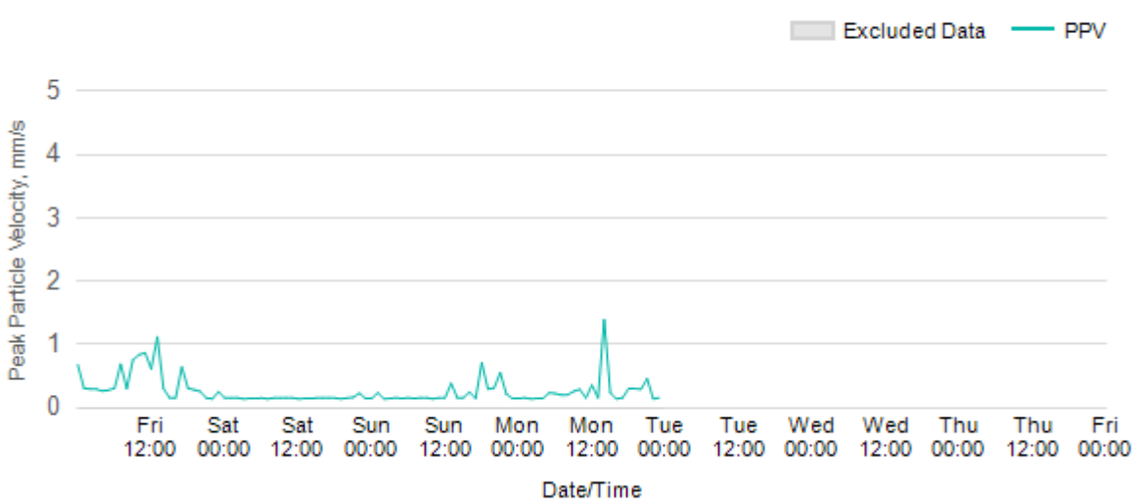
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Worksite: ER Monitoring Ref: ER-Vib1 22 August 2026 to 28 August 2026

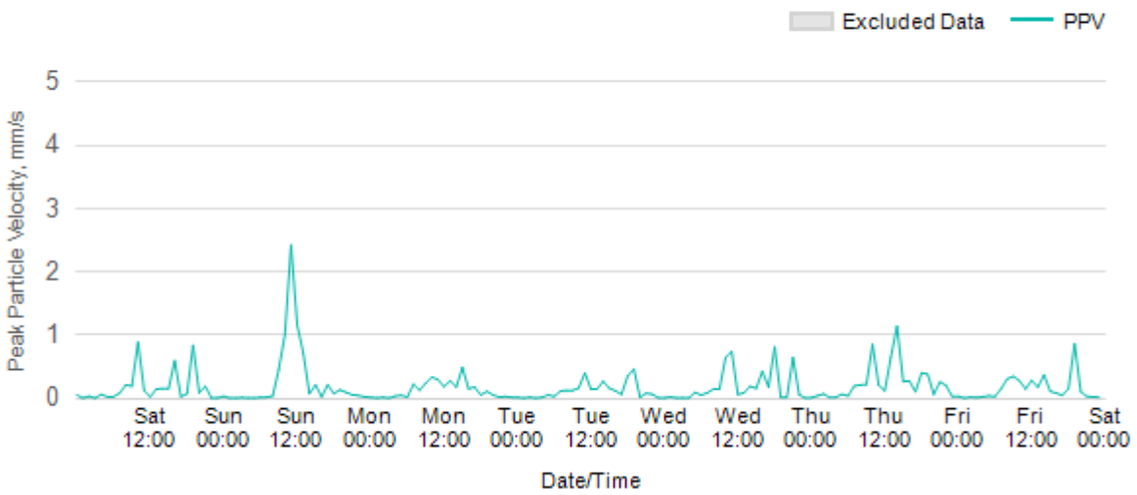


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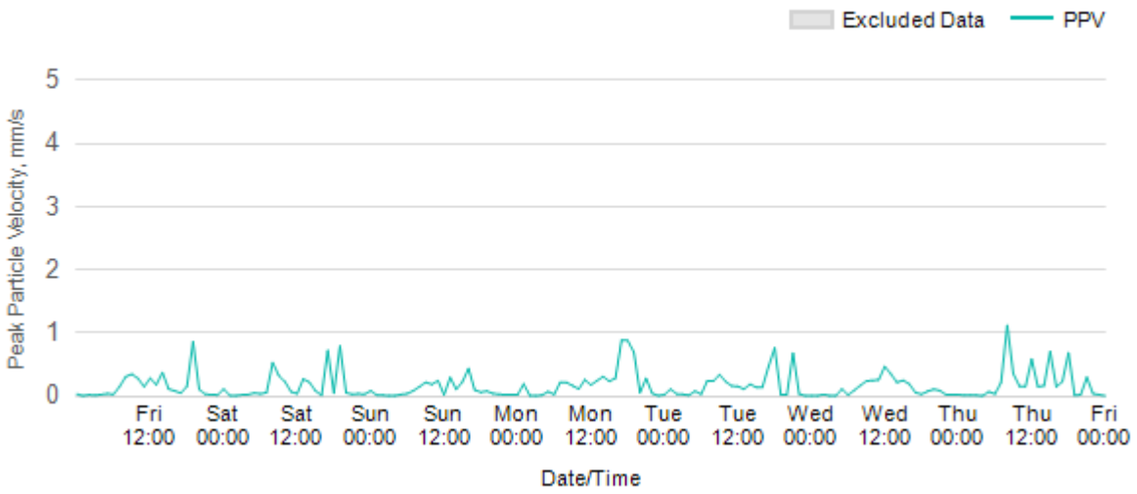


Worksite: PF - Monitoring Ref: PF-Vib1

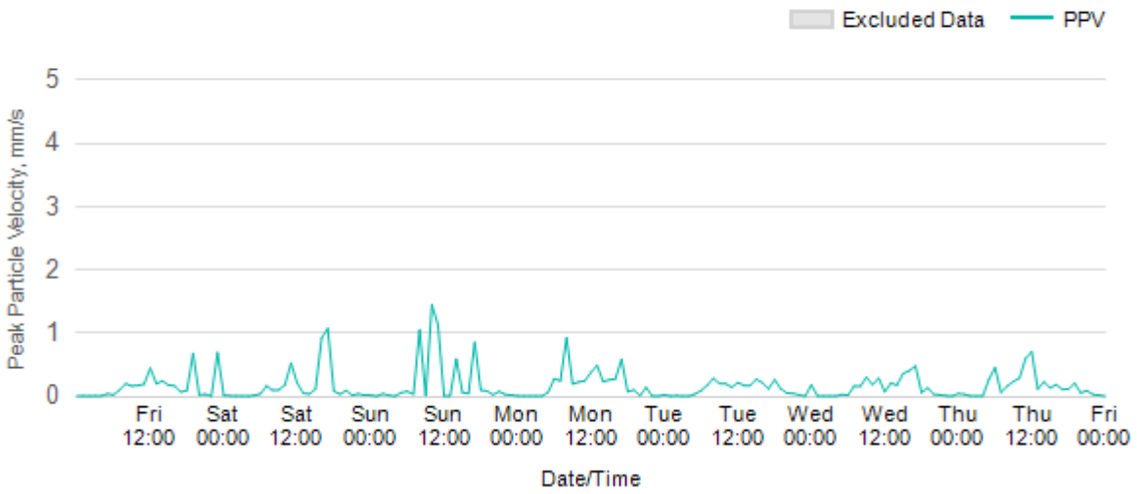
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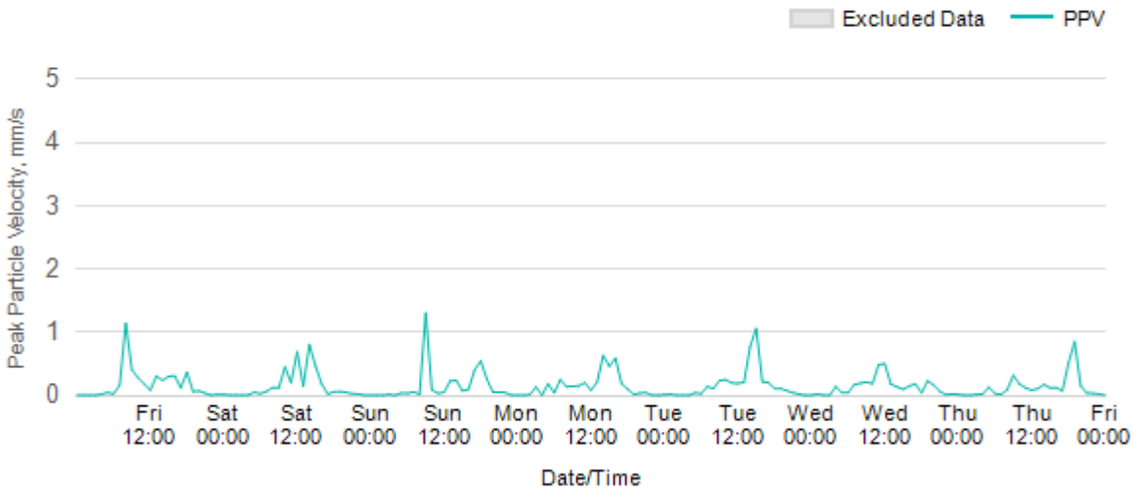
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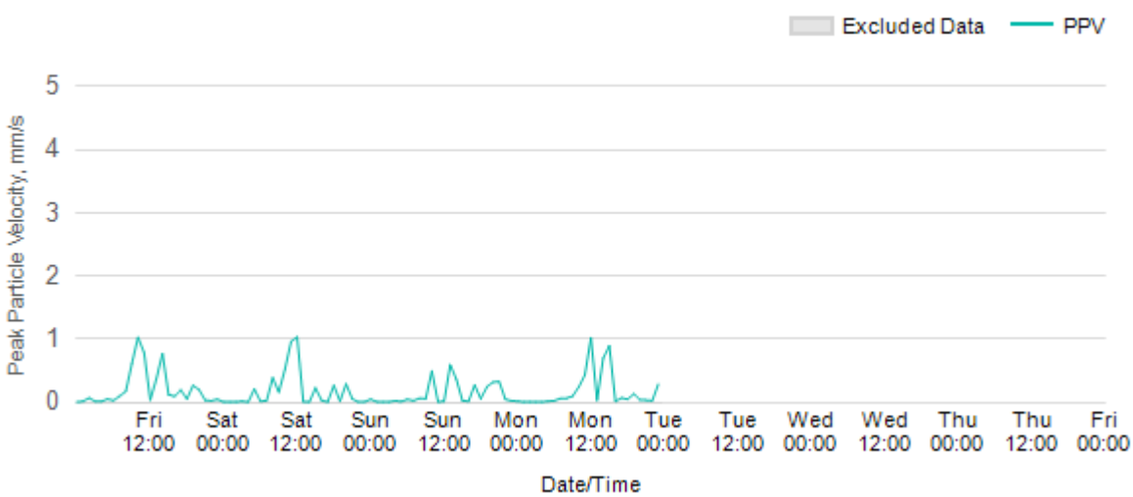
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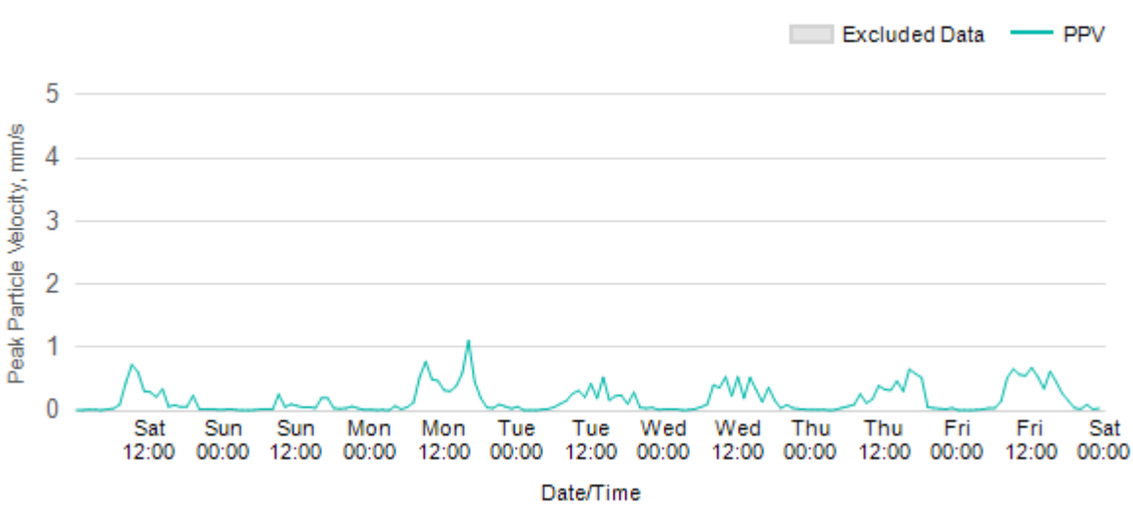


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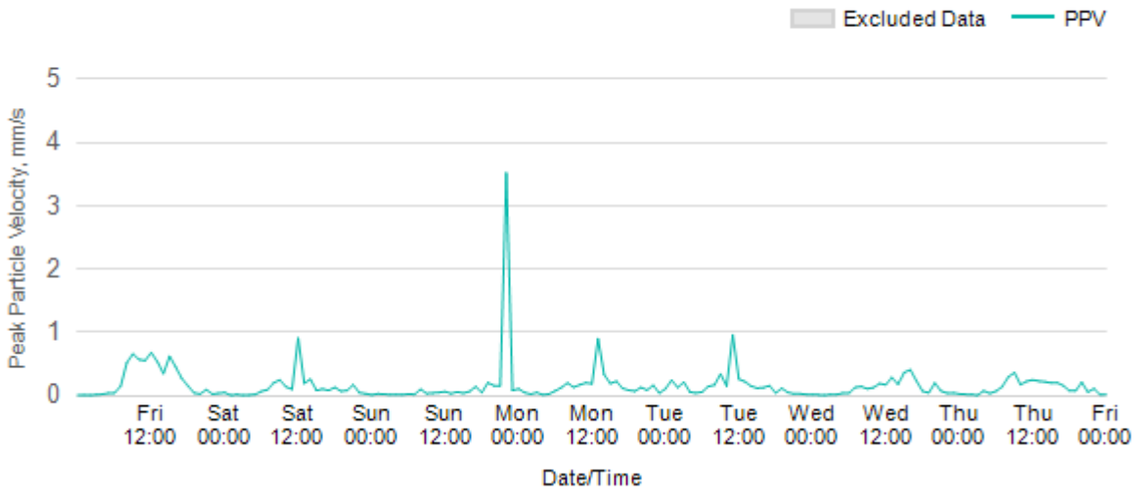


Worksite: BRA - Monitoring Ref: BRA-Vib1

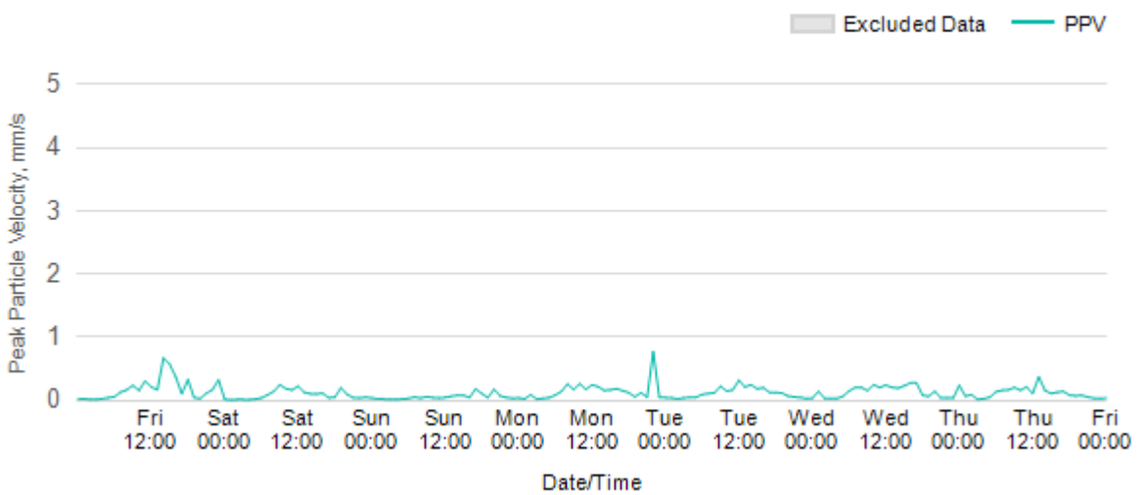
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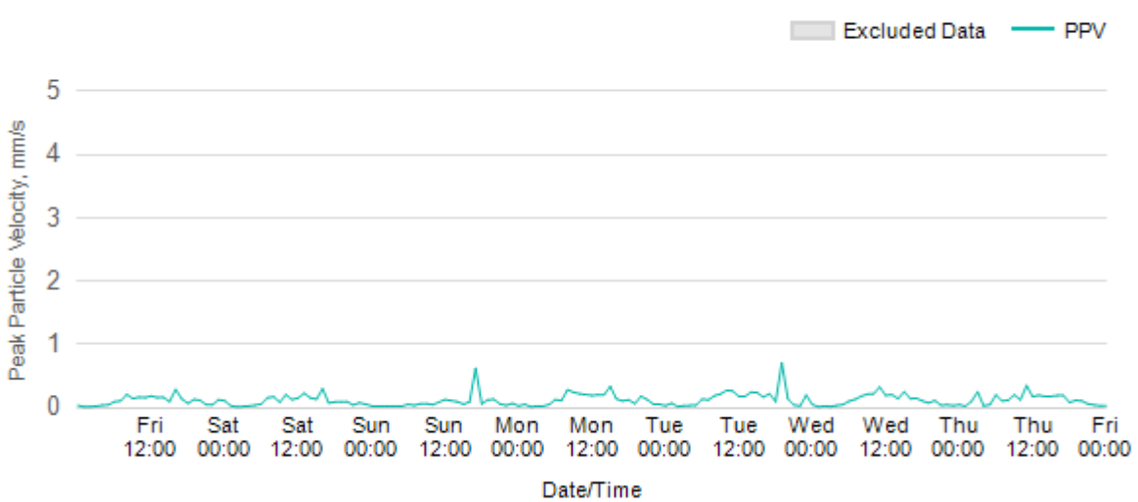
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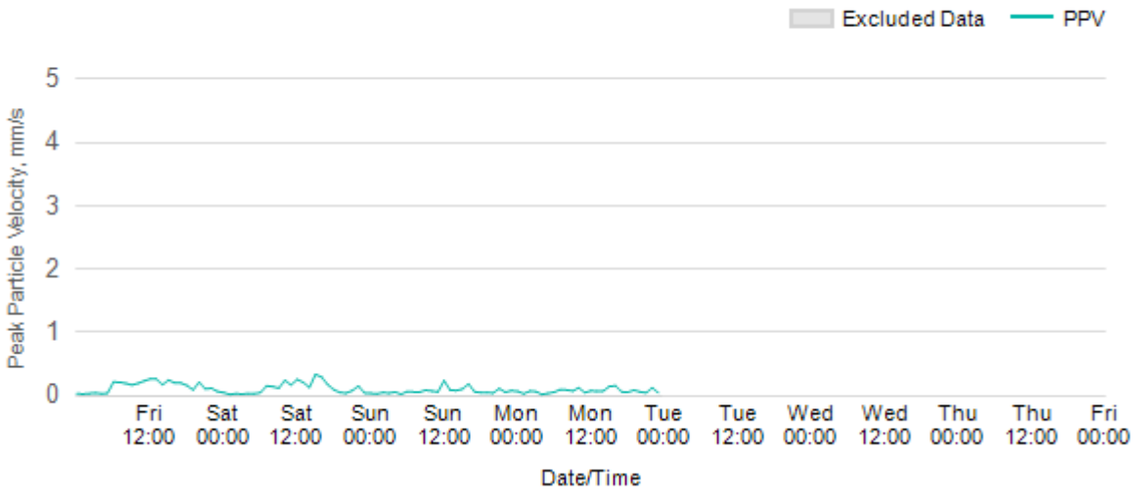
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Worksite: BRA Monitoring Ref: BRA-Vib1 22 August 2026 to 28 August 2026

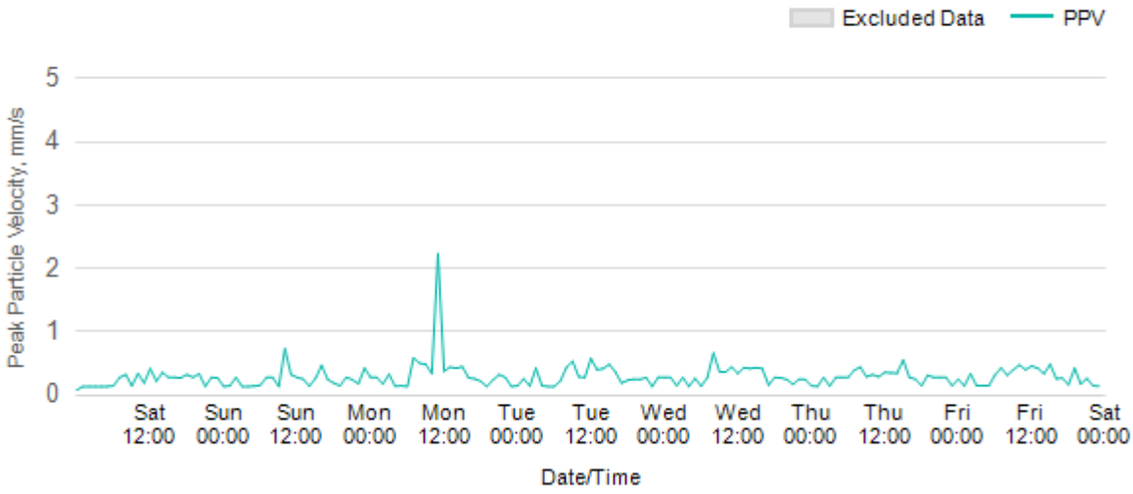


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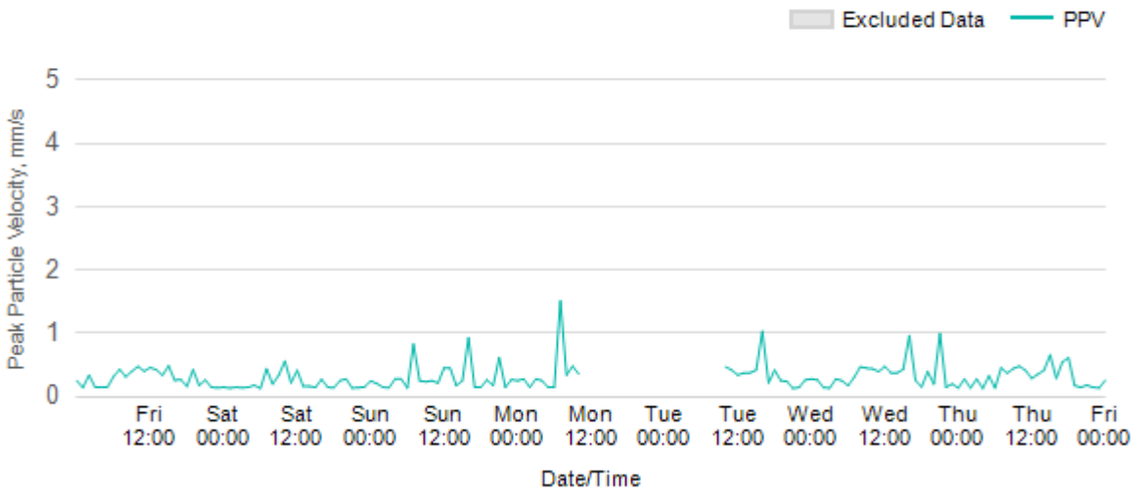


Worksite: WDL - Monitoring Ref: WDL-Vib1

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

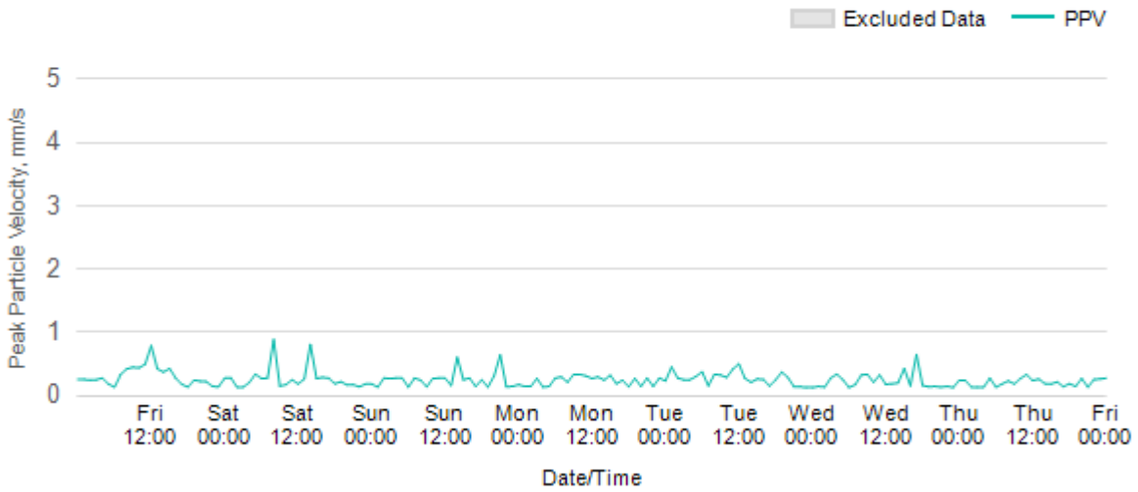


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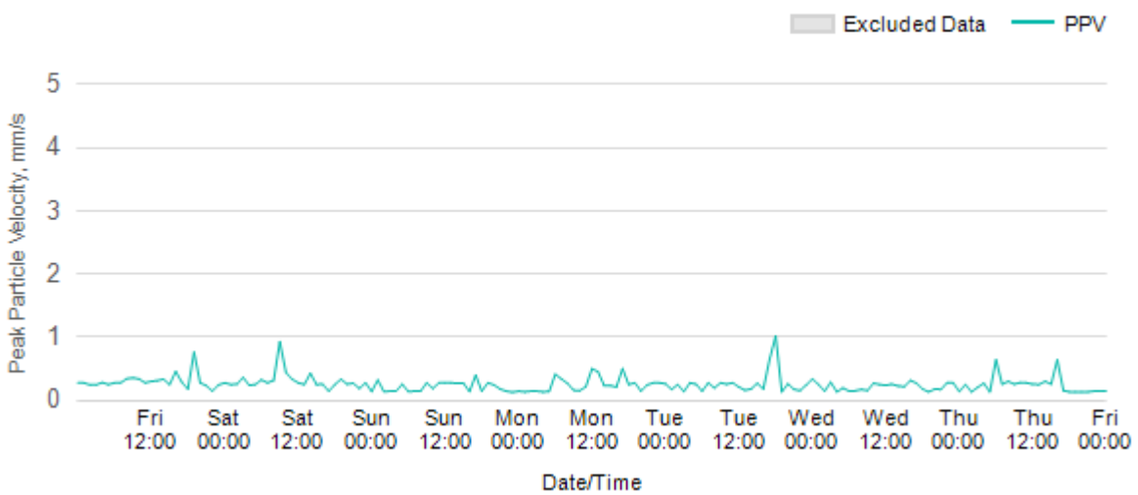


Note: Missing data was due to a communication error with the monitor.

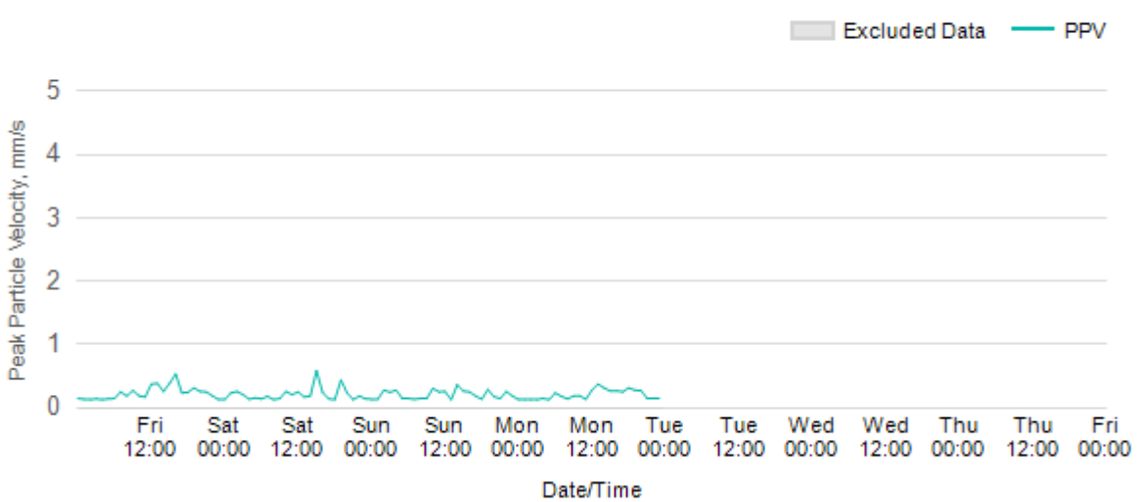
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Worksite: WDL Monitoring Ref: WDL-Vib1 22 August 2026 to 28 August 2026

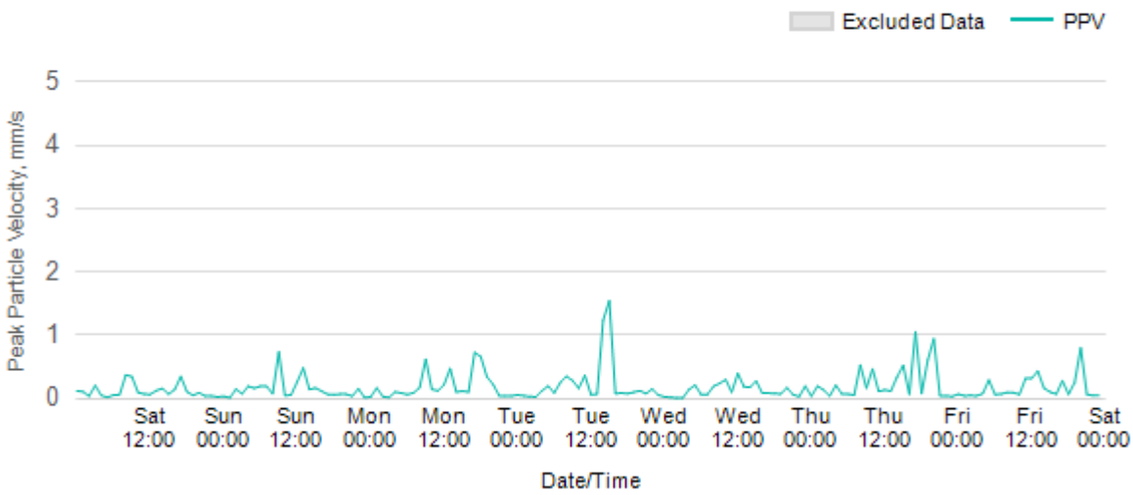


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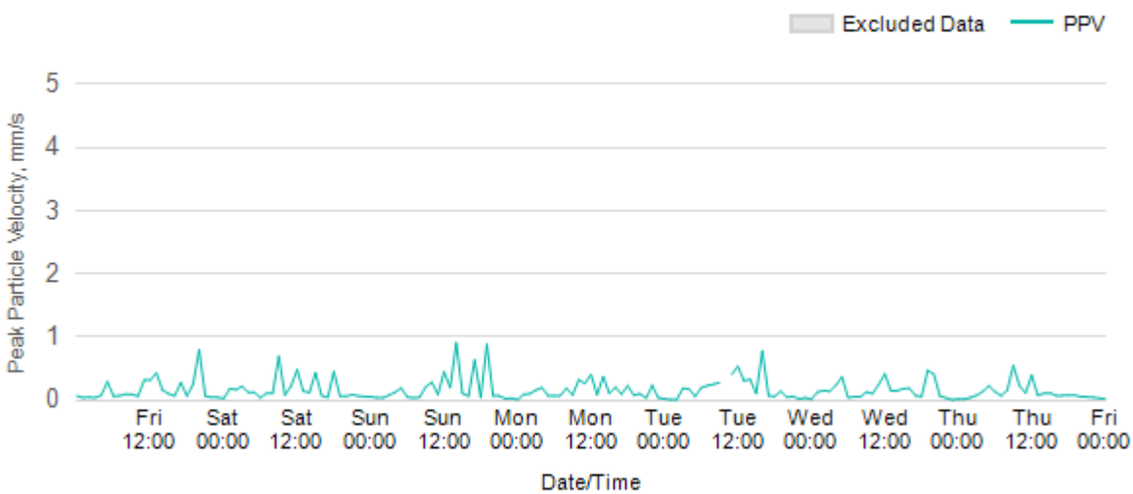


Worksite: SR - Monitoring Ref: SR-Vib1

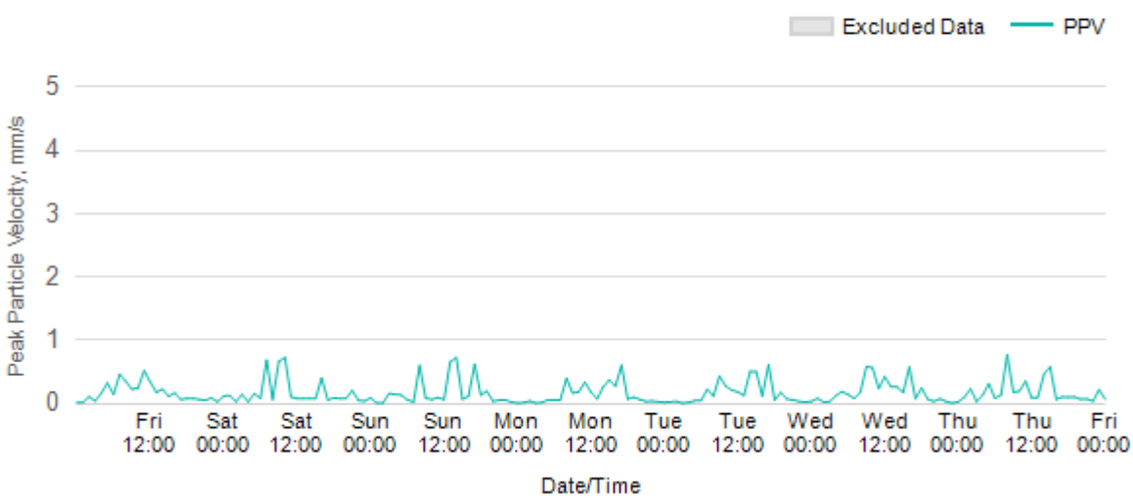
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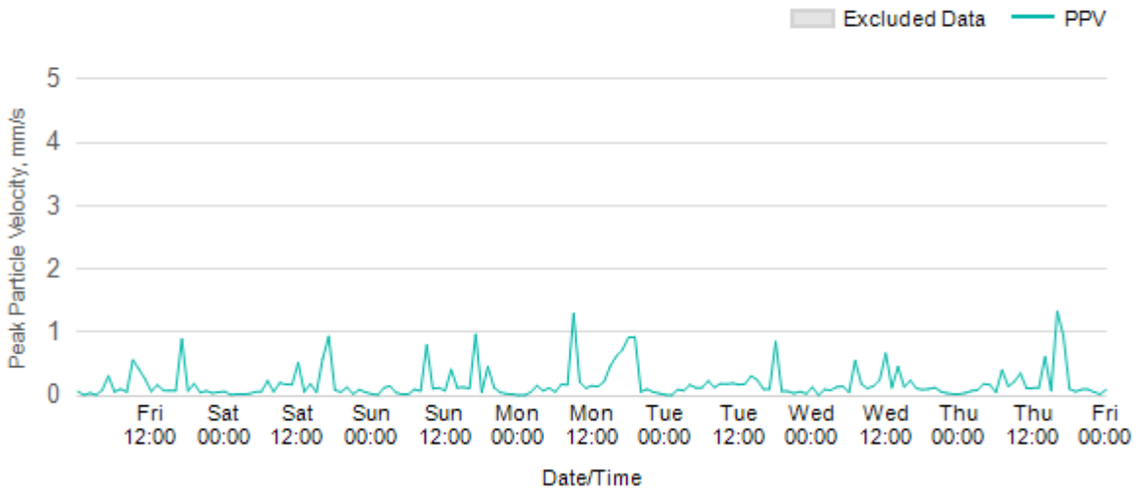
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Worksite: SR Monitoring Ref: SR-Vib1 15 August 2026 to 21 August 2026



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



Worksite: SR Monitoring Ref: SR-Vib1 29 August 2026 to 4 September 2026

