HS2

August 2026

Construction noise and vibration Monthly Report – August 2026

North Warwickshire Borough 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 North Warwickshire Borough Council during the month of August 2026.

Within this period monitoring was undertaken at the following worksites:

- Church Lane Embankment worksite (ref.: CLE), where no works were underway.
- Kingsbury Main Compound worksite (ref.: KMC), where offices and welfare activities were underway.
- Marston Box worksite (ref.: MB), where mobilisation of the conveyor belt system, and removal and stockpiling of concrete works were underway.
- Faraday Avenue Embankment and Underbridge worksite (ref.: FAEU), where bridge desk completion and precast segment erection activities were underway.
- Chattle Hill Box Structure worksite (ref.: CHBS), where no works were underway.
- Attleboro Lane Overbridge worksite (ref.: ALO), where no works were underway.
- Marsh Lane Embankment (ref.: MLE) worksite where embankment construction, drainage construction, stockpile maintenance, earthwork activities (technical backfill, dig and replace, borrow pit excavation and backfill, haul road maintenance and construction and landscape works were underway.
- Gilson Embankment worksite (ref.: GE), Road alignments and embankment activities were undertaken.
- Gilson Drive worksite (ref.: GLD), where drainage construction, landscape construction, topsoiling, stockpile maintenance, technical backfill activities, haul road maintenance and fencing works were underway.
- Birmingham Road worksite (ref.: BRD), where embankment, backfilling, drainage works were underway.
- Water Orton South Compound (ref.: WOSC), where segments and parapet installation and reinforced concrete works were underway.
- Attleboro Farm worksite (ref.: AFE), where embankment construction, drainage construction, stockpile maintenance, technical backfill, haul road maintenance and construction and landscape construction activities were underway.

There were no exceedances of the HS2 threshold levels for significant noise impacts during the reporting period at any monitoring position.

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 North Warwickshire Borough Council (NWBC) area for the period 1-31 August 2026.

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

- Gilson Embankment worksite, ref.: GE (see Plan 4 in Appendix A), where work activities included:
  - Road Realignment
  - Embankment
- Birmingham Road worksite ref.: BRD (see Plan 4 in Appendix A), where work activities included,
  - Embankment works
  - Backfilling
  - Drainage
  - Haul road maintenance
- Marston Box/Marston Lane worksite, ref.: MB (see Plan 2 in Appendix A),where work activities included:
  - Mobilisation of conveyor belt system
  - Removal of surcharge
  - Stockpiling of concrete
- Church Lane Embankment worksite, ref.: CLE (see Plan 1 in Appendix A), where no works were undertaken.
- Faraday Avenue Embankment and Underbridge worksite, ref.: FAEU (see Plan 3 in Appendix A), where work activities included:
  - Bridge desk completion
  - Precast segment erection
- Attleboro Farm Embankment worksite, Ref.: AFE (See Plan 4 in Appendix A)
  - HSR Embankment Construction
  - Drainage Construction
  - Stockpile Maintenance
  - Technical Backfill

    - Haul Road Maintenance & Construction
    - Landscape activities
- Marsh Lane Embankment worksite, ref: MLE (See Plan 4 in Appendix A), where work activities included:
    - Embankment Construction
    - Drainage Construction
    - Stockpile Maintenance
    - Earthwork activities (technical backfill, dig and replace, borrow pit excavation and backfill
    - Haul Road Maintenance & Construction
    - Landscape activities
- Kingsbury Main Compound worksite, ref.: KMC (see Plan 2 in Appendix A), where works activities included:
    - Office and welfare facility use.
- Chattle Hill Box Structure worksite, ref.: CHBS (see Plan 4 in Appendix A), where no works were undertaken.
- Attleboro Lane Overbridge worksite, ref.: ALO (See Plan 4 in Appendix A), where no works were undertaken.
- Gilson Drive worksite, ref.: GLD (see Plan 4 in Appendix A), works activities included:
    - Drainage construction
    - Landscape construction
    - Topsoiling
    - Stockpile maintenance
    - Technical backfill
    - Haul road maintenance
    - Fencing
- Water Orton Sound Compound, ref.: WOSC (see Plan 4 in Appendix A), work activities included:
    - Segments installation
    - Parapet installation
    - Anti derailment reinforced concrete works
    - Motorway spans assembly

1.1.3 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 14 noise and 8 vibration monitoring installations were active in August in the North Warwickshire Borough Council area. Tables 2a and 2b summarise the position of noise and vibration monitoring installations within the North Warwickshire Borough Council area in August 2026.

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

Table 2a: Noise Monitoring Locations

Worksite Reference	Measurement Reference	Address
AFE	AFE-N1	(south east of) Attleboro Farm, Attleboro Lane
ALO	ALO-N6	(west of) 47 Attleboro Lane, Water Orton
	ALO-N7	(south of) 57 Attleboro Lane, Water Orton
BRD	BRD-N2	(east of) 1 New Cottage, Birmingham Road, Coleshill
	BRD-N3	(north west of) 1 New Cottage, Birmingham Road, Coleshill
CHBS	CHBS-N1	(west of) 6 Gorsey Way, Coleshill
CLE	CLE-N1	Highfields Farmhouse, Church Lane, Tamworth
FAEU	FAEU-N1	(south of) Orchard Cottage, Newlands Lane, Curdworth
GE	GE-N2	(east of) Lovegrove Cottage, Gilson Road, Coleshill
GLD	GLD-N1	10 Gilson Drive, Coleshill
KMC	KMC-N1	(west of) Wheatley House, Kingsbury Road, Sutton Coldfield
MB	MB-N1	(west of) Elford House, Kingsbury Road, Curdworth
MLE	MLE-N1	Rostrevor, Vicarage Lane, Water Orton
WOSC	WOSC-N3	(south of) 53 Watton Lane, Water Orton

Table 2b: Vibration Monitoring Locations

Worksite Reference	Measurement Reference	Address
AFE	AFE-V1	(south east of) Attleboro Farm, Attleboro Lane
ALO	ALO-V1	(west of) 47 Attleboro Lane, Water Orton
	ALO-V5	(south of) 57 Attleboro Lane, Water Orton
BRD	BRD-V1	(north west of) 1 New Cottage, Birmingham Road, Coleshill
CHBS	CHBS-V3	(west of) 6 Gorsey Way, Coleshill
FAEU	FAEU-V1	(south of) Orchard Cottage, Newlands Lane, Curdworth
GLD	GLD-V1	10 Gilson Drive, Coleshill
MB	MB-V1	(west of) Elford House, Kingsbury Road, Curdworth

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
ALO	ALO-N6	(south of) 57 Attleboro Lane, Water Orton	Free field	53.8 (59.4)	58.3 (64.2)	55.1 (59.9)	51.3 (59.7)	50.6 (58.3)	51.4 (54.7)	55.4 (57.8)	52.3 (55.5)	50.2 (55.2)	49.6 (55.7)	51.8 (59.0)	51.2 (57.8)
	ALO-N7	(west of) 47 Attleboro Lane, Water Orton	Free field	54.5 (59.1)	55.4 (60.2)	52.8 (60.2)	51.7 (60.2)	51.7 (59.9)	53.0 (56.7)	53.8 (56.8)	52.3 (54.9)	50.5 (55.3)	50.1 (56.6)	52.3 (60.0)	52.0 (59.1)
WOSC	WOSC-N3	(south of) 53 Watton Lane, Water Orton,	Free field	61.2 (63.3)	61.5 (64.9)	60.4 (63.6)	58.5 (63.0)	55.9 (62.5)	56.8 (58.2)	59.1 (62.5)	58.9 (62.6)	58.0 (64.8)	53.0 (57.5)	58.1 (61.7)	55.2 (61.9)
AFE	AFE-N1	(south east of) Attleboro Farm, Attleboro Lane,	Free field	59.7 (63.0)	62.5 (65.6)	58.4 (64.2)	58.0 (63.7)	56.8 (63.8)	57.1 (60.5)	58.5 (60.4)	57.9 (60.3)	58.2 (61.1)	56.4 (60.1)	58.2 (64.1)	57.4 (62.5)
BRD	BRD-N2	(east of) 1 New Cottage, Birmingham Road, Coleshill,	Free field	59.6 (61.2)	59.8 (61.7)	59.0 (61.9)	57.3 (60.9)	55.5 (61.2)	56.3 (58.2)	57.5 (62.7)	57.1 (62.9)	56.0 (61.1)	53.2 (56.6)	56.2 (59.8)	54.7 (60.4)
	BRD-N3	(north west of) 1 New Cottage, Birmingham Road, Coleshill,	Free field	68.5 (69.0)	67.6 (69.1)	68.0 (69.1)	66.2 (69.0)	63.1 (68.8)	65.5 (66.5)	68.1 (69.4)	67.3 (68.6)	67.3 (70.2)	62.1 (65.2)	66.8 (68.5)	62.7 (68.9)
CHBS	CHBS-N1	(west of) 6 Gorsey Way, Coleshill,	Free field	62.1 (68.9)	62.2 (78.4)	61.0 (70.2)	60.3 (78.1)	58.6 (67.6)	57.9 (62.7)	60.6 (61.9)	60.1 (61.2)	60.7 (66.4)	55.6 (62.6)	60.8 (67.2)	57.4 (69.2)
CLE	CLE-N1	Highfields Farmhouse, Church Lane,	Free field	44.5 (50.2)	44.0 (47.0)	42.1 (45.0)	41.7 (45.5)	40.9 (50.8)	43.4 (45.6)	44.2 (46.4)	42.2 (42.4)	41.5 (44.7)	37.9 (42.7)	43.4 (52.4)	39.8 (48.3)
FAEU	FAEU-N1	(south of) Orchard Cottage, Newlands Lane,	Free field	53.9 (57.0)	54.1 (59.5)	54.0 (58.7)	52.4 (58.1)	51.8 (55.9)	52.3 (54.5)	50.9 (53.0)	52.1 (55.0)	51.4 (56.1)	50.8 (54.6)	51.5 (57.1)	51.5 (55.5)
GE	GE-N2	Highfields Farmhouse, Church Lane, Tamworth	Free field	57.0 (61.2)	61.4 (67.8)	55.8 (61.9)	54.7 (60.9)	53.2 (60.1)	52.5 (55.7)	54.5 (57.1)	53.5 (56.8)	52.6 (56.7)	50.5 (55.6)	53.4 (61.6)	52.5 (57.7)
GLD	GLD-N1	10 Gilson Drive, Coleshill,	Free field	54.7 (63.0)	54.8 (60.0)	54.0 (57.7)	52.2 (68.2)	50.2 (56.2)	51.8 (57.6)	52.3 (57.1)	51.0 (57.6)	49.3 (58.3)	47.7 (52.5)	50.2 (55.6)	51.4 (67.8)

KMC	KMC-N1	(west of) Wheatley House, Kingsbury Road,	Free field	57.6 (68.3)	61.2 (67.7)	59.3 (66.6)	51.7 (59.6)	57.8 (73.0)	53.3 (55.6)	53.9 (58.5)	52.0 (55.5)	56.5 (67.9)	56.7 (69.8)	57.8 (71.8)	55.8 (69.0)
MB	MB-N1	(west of) Elford House, Kingsbury Road, Curdworth,	Free field	54.9 (57.9)	55.0 (58.9)	55.0 (58.9)	54.1 (57.6)	52.1 (57.9)	53.2 (55.5)	52.3 (54.1)	52.7 (55.1)	53.9 (56.8)	52.5 (60.5)	53.6 (59.9)	51.9 (57.8)
MLE	MLE-N1	Rostrevor, Vicarage Lane, Water Orton,	Free field	52.0 (55.6)	52.2 (56.3)	52.0 (55.6)	51.5 (76.7)	49.4 (56.4)	49.9 (52.5)	50.6 (53.3)	50.0 (53.2)	48.7 (51.6)	47.6 (53.7)	49.9 (54.6)	50.1 (57.1)

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
AFE	AFE-V1	(southeast of) Attleboro Farm, Attleboro Lane	0.97 (Z-axis)
ALO	ALO-V1	(west of) 47 Attleboro Lane, Water Orton	1.68 (Z-axis)
	ALO-V5	(south of) 57 Attleboro Lane, Water Orton	1.28 (X-axis)
BRD	BRD-V1	(north west of) 1 New Cottage, Birmingham Road, Coleshill	0.64 (Z-axis)
CHBS	CHBS-V3	(west of) 6 Gorsey Way, Coleshill	0.18 (Y-axis)
FAEU	FAEU-V1	(south of) Orchard Cottage, Newlands Lane, Curdworth	0.48 (X-axis)
GLD	GLD-V1	10 Gilson Drive, Coleshill	0.94 (Z-axis)
MB	MB-V1	(west of) Elford House, Kingsbury Road, Curdworth, Sutton Coldfield	1.84 (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
AFE	AFE-N1	(south east of) Attleboro Farm, Attleboro Lane	All days	All periods	No exceedances	No exceedances
ALO	ALO-N6	(south of) 57 Attleboro Lane, Water Orton	All days	All periods	No exceedances	No exceedances
	ALO-N7	(west of) 47 Attleboro Lane, Water Orton	Weekday	1800 - 1900	1	No exceedances
BRD	BRD-N2	(east of) 1 New Cottage, Birmingham Road, Coleshill	All days	All periods	No exceedances	No exceedances
	BRD-N3	(north west of) 1 New Cottage, Birmingham Road, Coleshill,	Weekday	0700 - 0800	10	No exceedances
				1800 - 1900	3	No exceedances
			Saturday	0700 - 0800	1	No exceedances
				1300 - 1400	3	No exceedances
				1400 - 2200	5	No exceedances
CHBS	CHBS-N1	(west of) 6 Gorsey Way, Coleshill,	Weekday	0700 - 0800	1	No exceedances
				0800 - 1800	1	No exceedances
CLE	CLE-N1	Highfields Farmhouse,	All days	All periods	No exceedances	No exceedances

		Church Lane, Tamworth				
FAEU	FAEU-N1	(south of) Orchard Cottage, Newlands Lane, Curdworth,	All days	All periods	No exceedances	No exceedances
GE	GE-N2	(east of) Lovegrove Cottage, Gilson Road, Coleshill	Weekday	0800 - 1800	1	No exceedances
GLD	GLD-N1	10 Gilson Drive, Coleshill	All days	All periods	No exceedances	No exceedances
KMC	KMC-N1	(west of) Wheatley House, Kingsbury Road, Sutton Coldfield	Weekday	0700 - 0800	1	No exceedances
MB	MB-N1	(west of) Elford House, Kingsbury Road, Curdworth,	All days	All periods	No exceedances	No exceedances
MLE	MLE-N1	Rostrevor, Vicarage Lane, Water Orton	All days	All periods	No exceedances	No exceedances
WOSC	WOSC-N3	(south of) 53 Watton Lane, Water Orton	All days	All periods	No exceedances	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
-	-	-	-

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

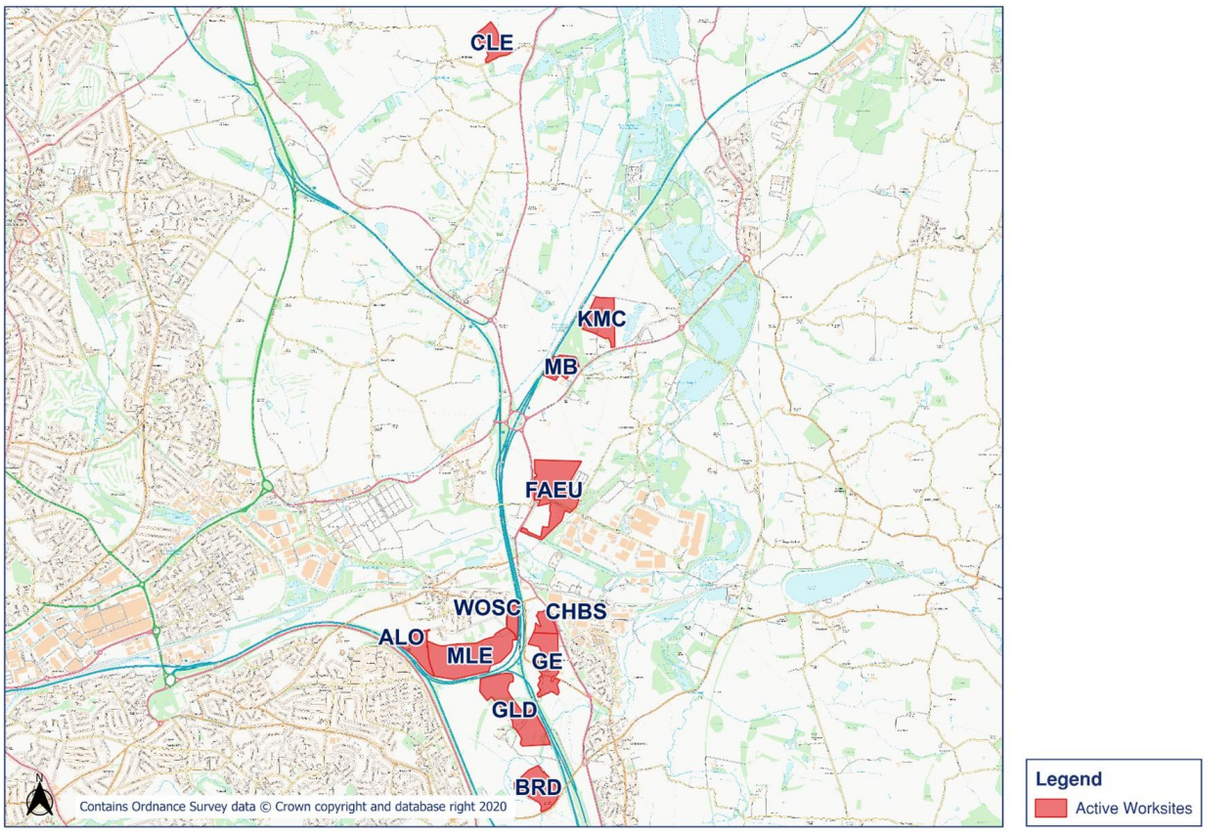
2.4.1 Table 8 provides a summary of complaint information related to noise and vibration received during the reporting period, monitor along with the findings of any investigation.

Table 8: Summary of Complaints

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

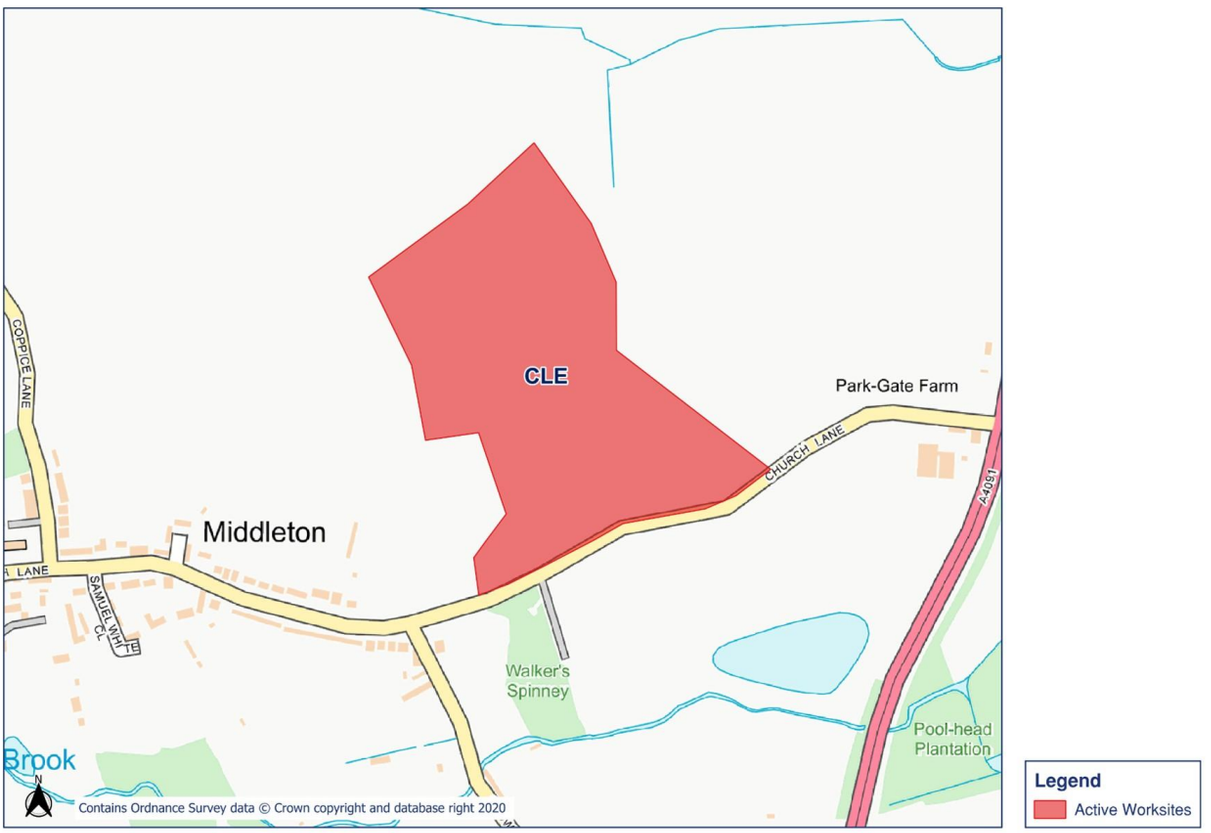
Appendix A Site Locations

HS2 **Worksite Identification Plan - Overview**

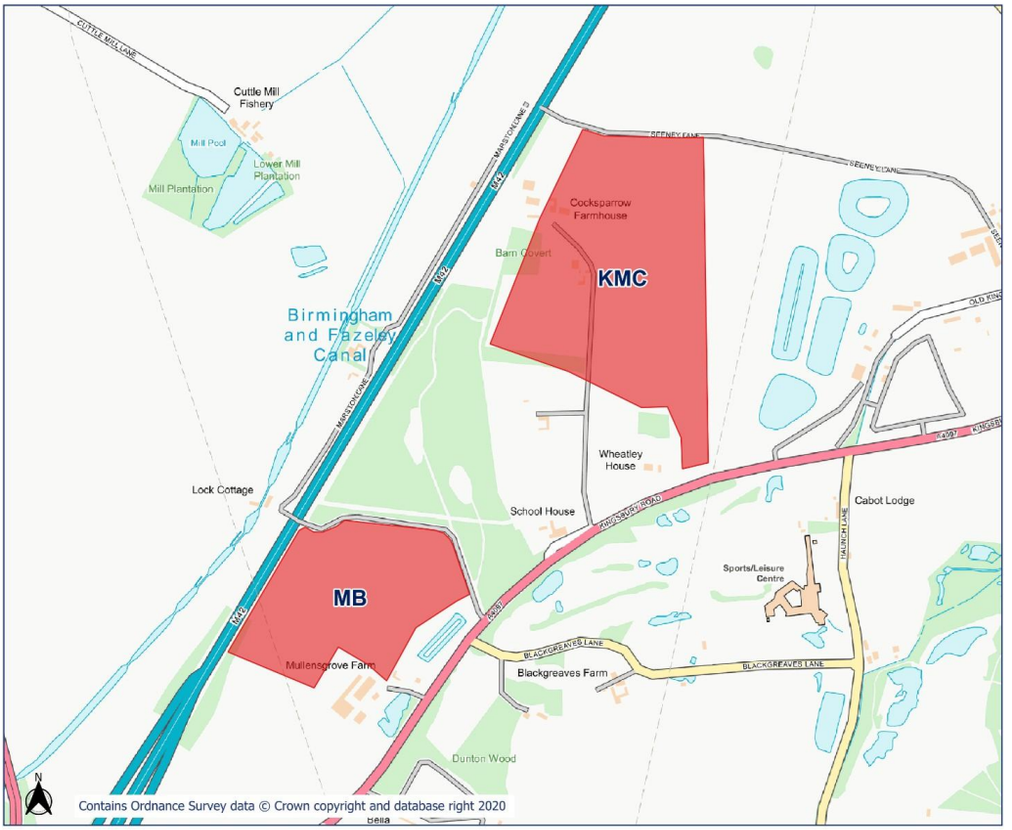


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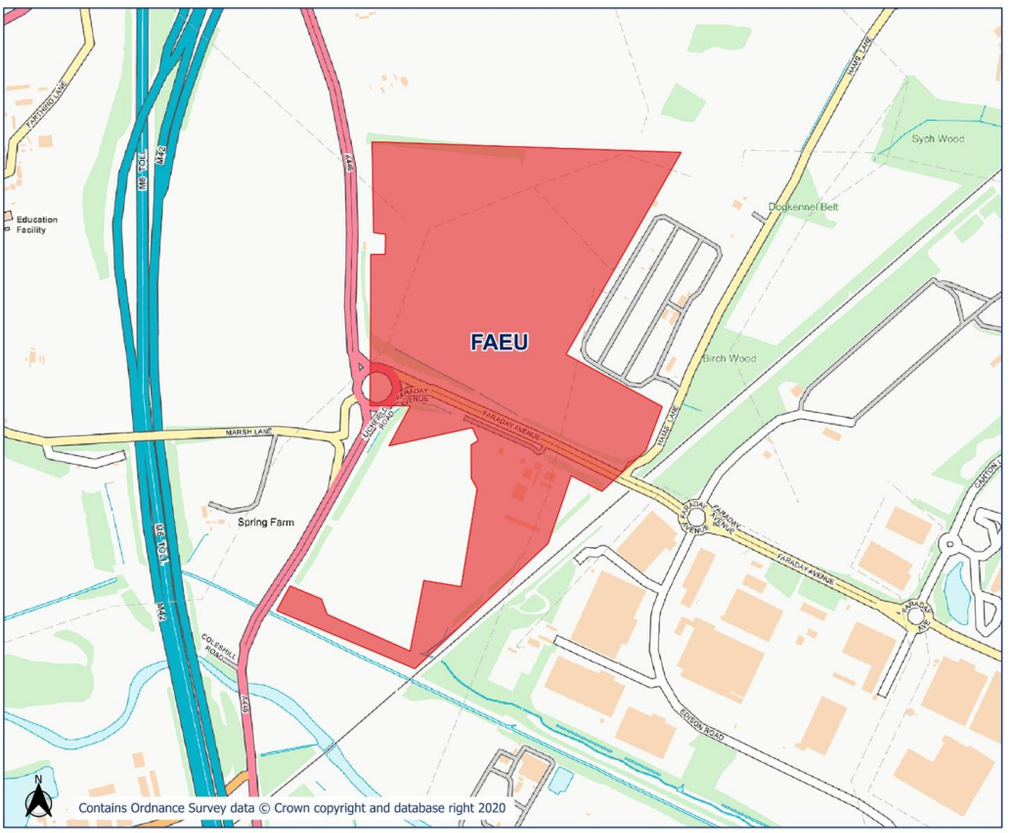
Worksite Identification Plan - 1



Worksite Identification Plan - 2



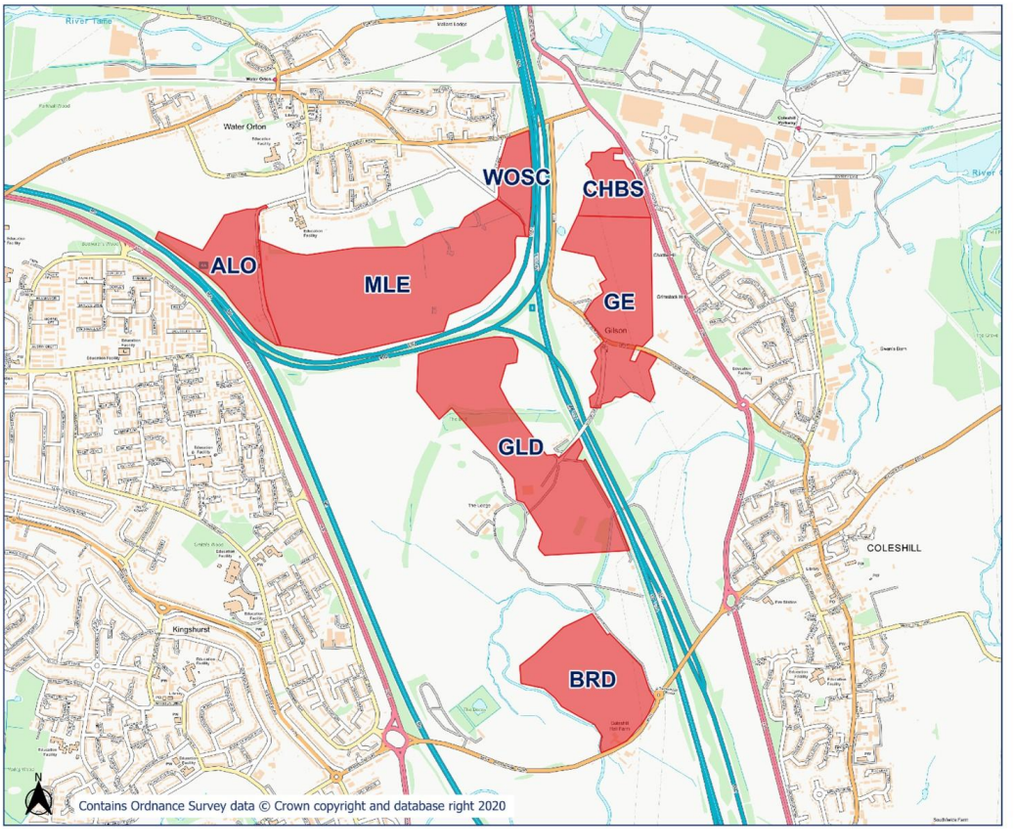
Worksite Identification Plan - 3



Legend

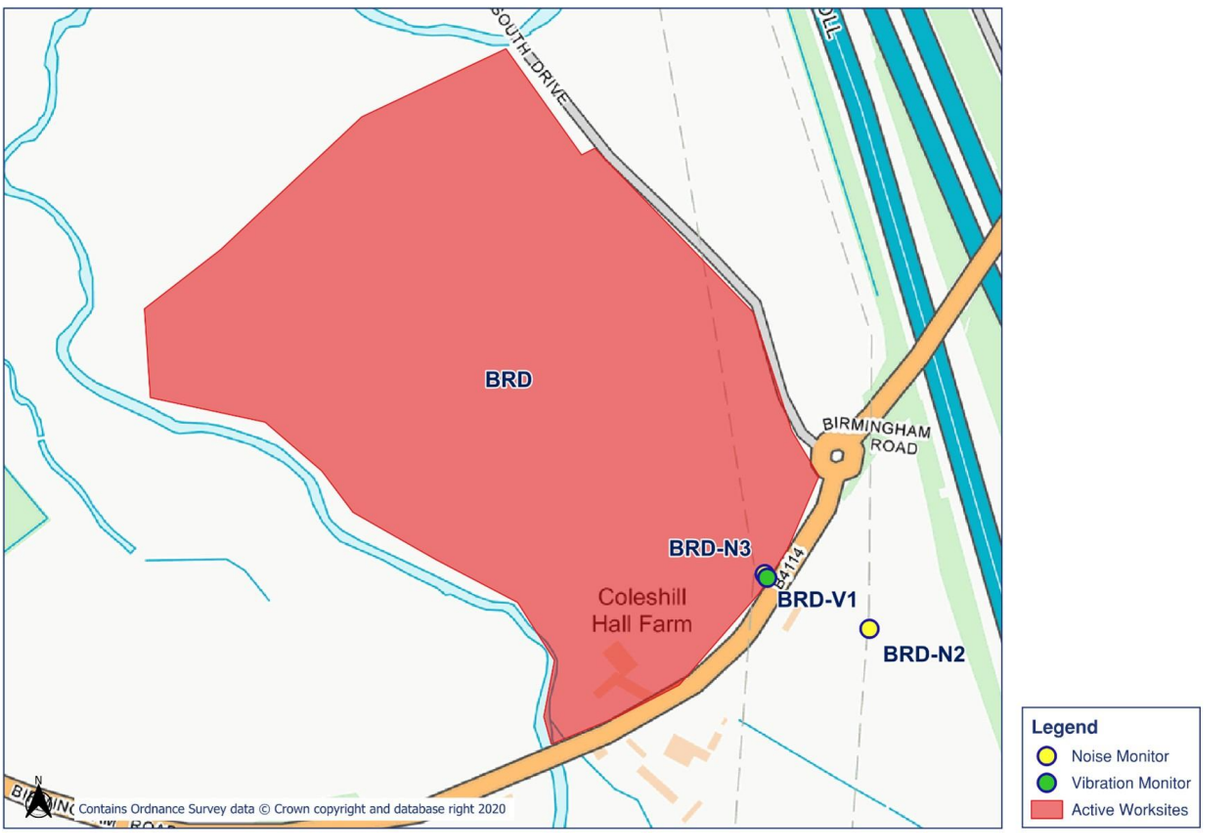
Active Worksites

Worksite Identification Plan - 4



Legend

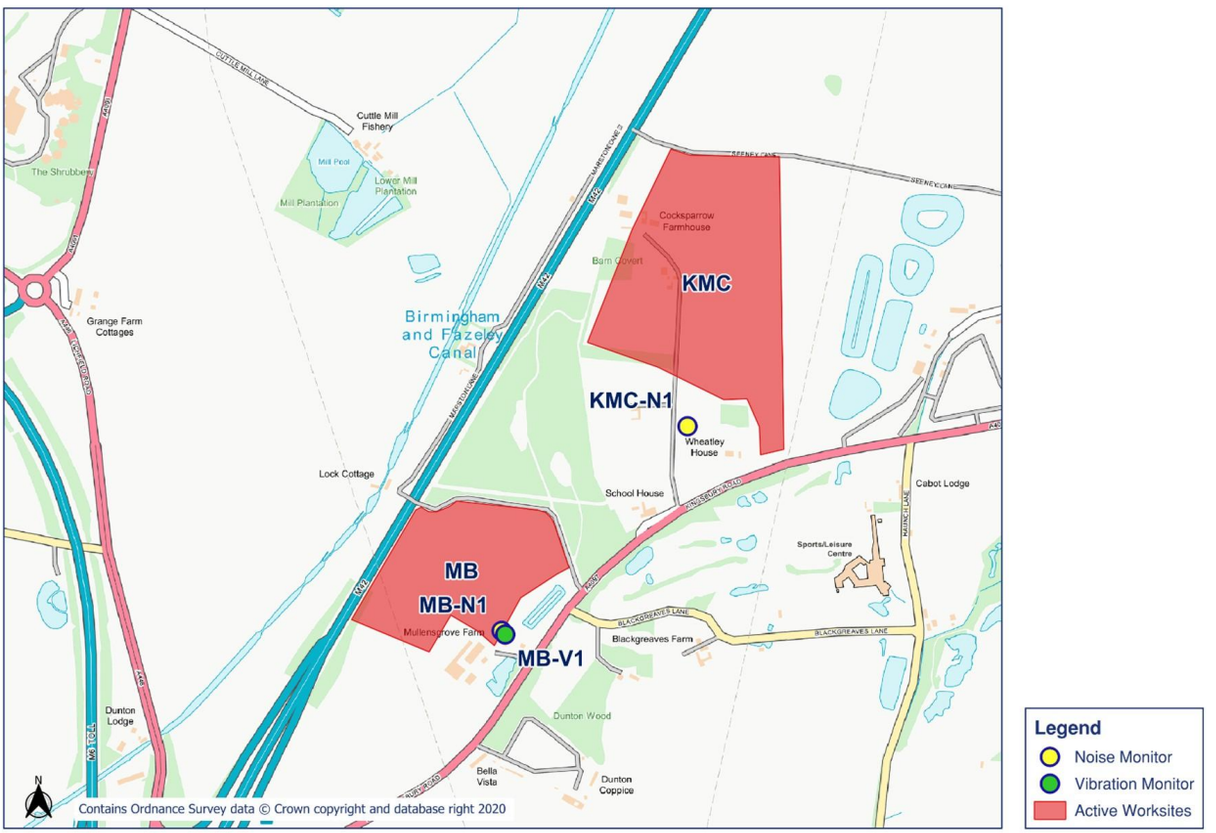
Active Worksites

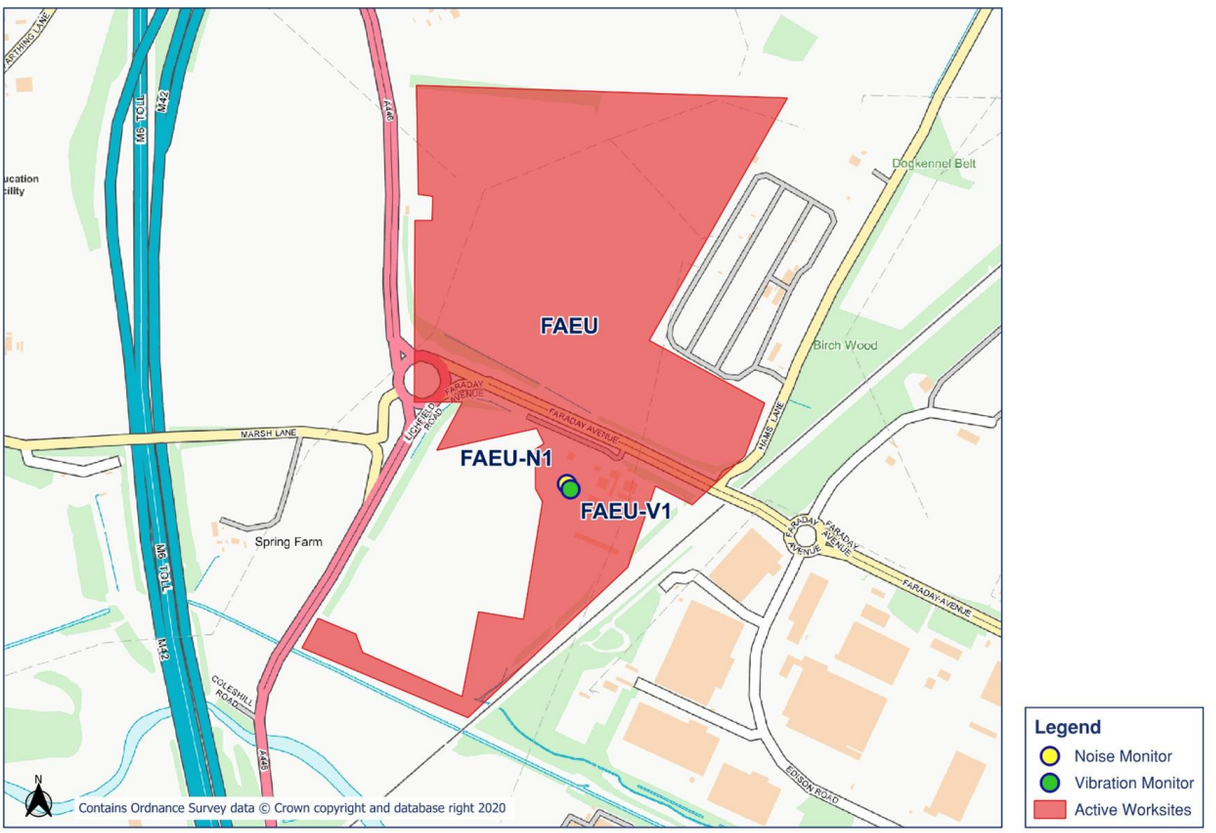

SOUTH DRIVE
BRD
BIRMINGHAM ROAD
BRD-N3
B4114
BRD-V1
Coleshill Hall Farm
BRD-N2
N
Contains Ordnance Survey data © Crown copyright and database right 2020
Legend
Noise Monitor
Vibration Monitor
Active Worksites

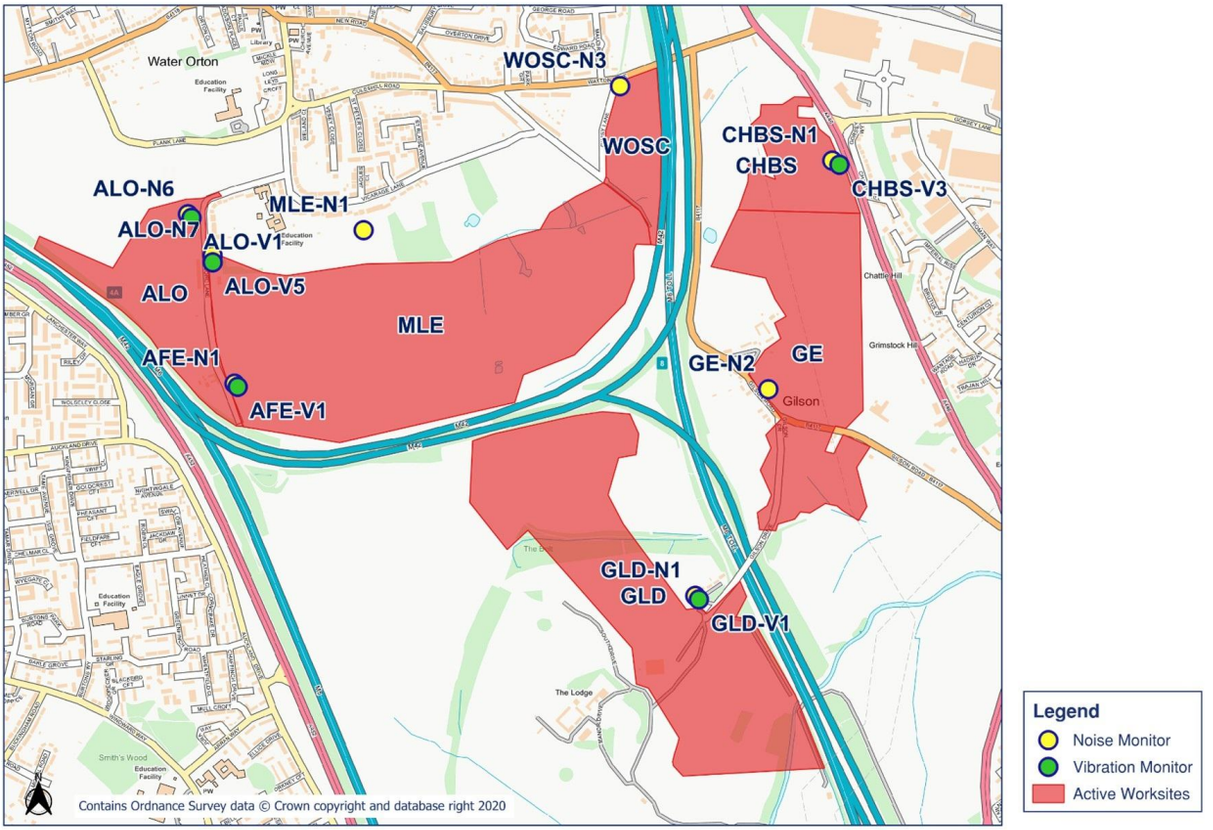
Appendix B Monitoring Locations

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




Cuttle Mill Fishery
Mill Pool
Lower Mill Plantation
Mill Plantation
The Shrubbery
Grange Farm Cottages
Birmingham and Fazeley Canal
Cocksparrow Farmhouse
Barn Covert
KMC
KMC-N1
Wheatley House
Lock Cottage
School House
Cabot Lodge
Sports/Leisure Centre
MB
MB-N1
MB-V1
Mullensgrove Farm
Blackgreaves Farm
Dunton Lodge
Dunton Wood
Bella Vista
Dunton Coppice
Contains Ordnance Survey data © Crown copyright and database right 2020
Legend
Noise Monitor
Vibration Monitor
Active Worksites


FAEU
FAEU-N1
FAEU-V1
Birch Wood
Dogkennel Belt
Spring Farm
MARSH LANE
FARADAY AVENUE
LICHFIELD ROAD
HOMS LANE
EDISON ROAD
GOLDSHILL ROAD
M6 TOLL
M42
A446
A449
Contains Ordnance Survey data © Crown copyright and database right 2020
Legend
Noise Monitor
Vibration Monitor
Active Worksites

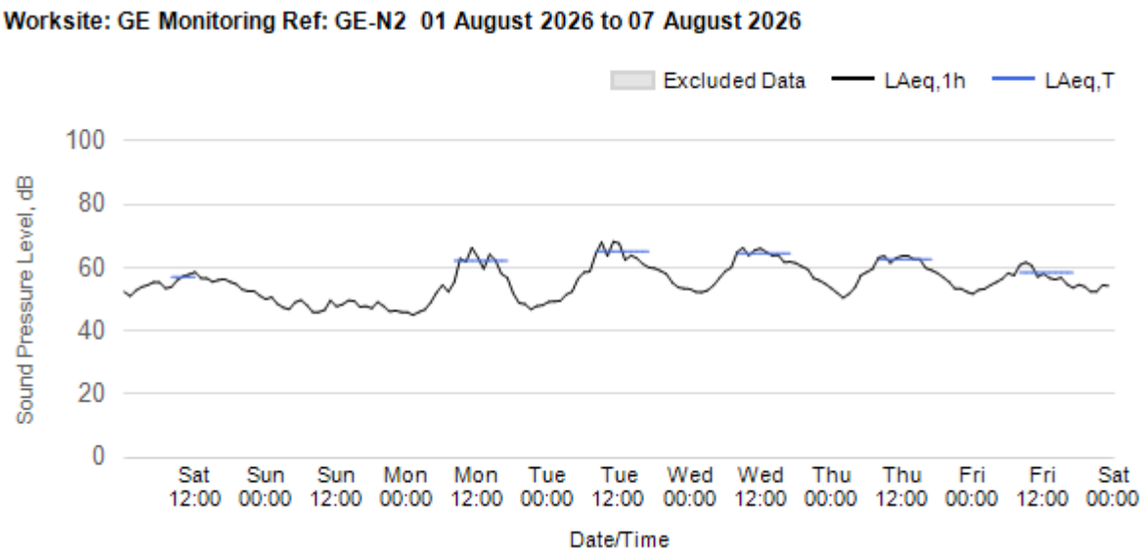

Water Orton
WOSC-N3
WOSC
CHBS-N1
CHBS
CHBS-V3
ALO-N6
ALO-N7
MLE-N1
ALO-V1
ALO
ALO-V5
MLE
AFE-N1
AFE-V1
GE-N2
GE
Gilson
GLD-N1
GLD
GLD-V1
Chattle Hill
Grimstock Hill
The Lodge
Smith's Wood
Contains Ordnance Survey data © Crown copyright and database right 2020
Legend
Noise Monitor
Vibration Monitor
Active Worksites

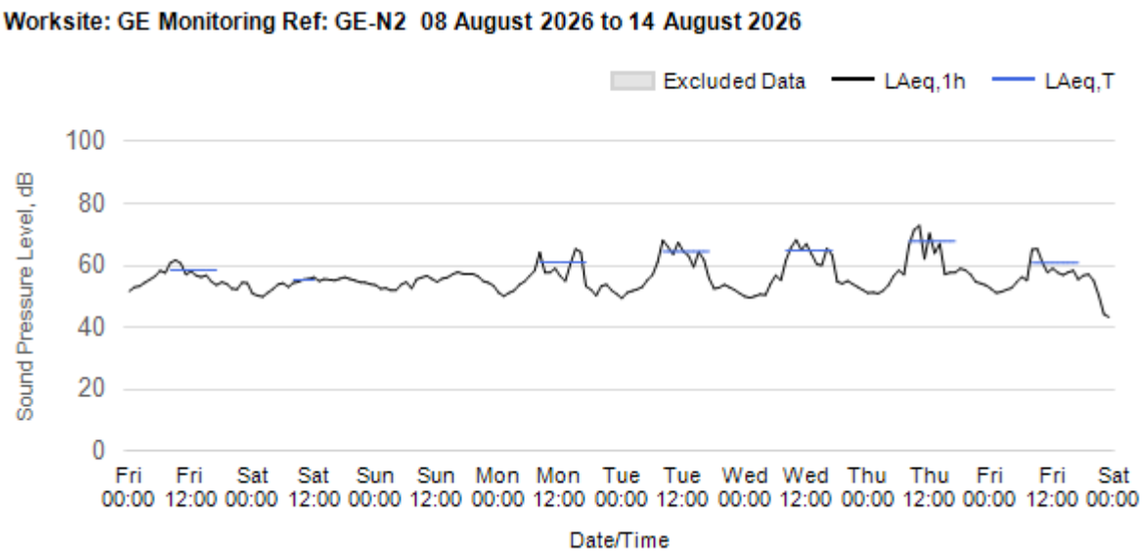
Appendix C Data

Noise

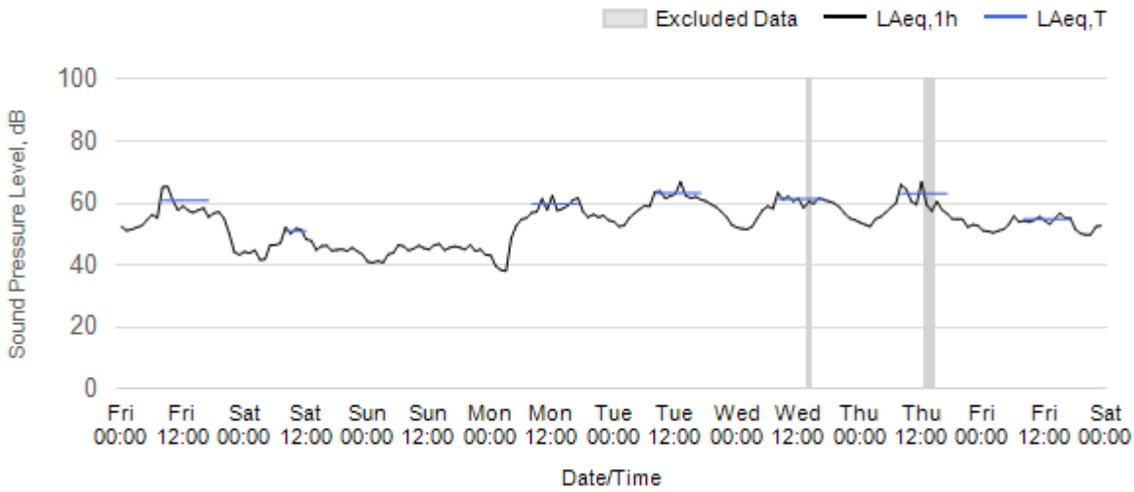
The following graphs show the hourly measured ambient noise level LAeq,1h and, where relevant, the averaged noise level LAeq,T values, where the time period T is as specified in Table 1 of HS2 Information Paper E23. Periods where noise levels are adversely affected by weather or only measured for part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

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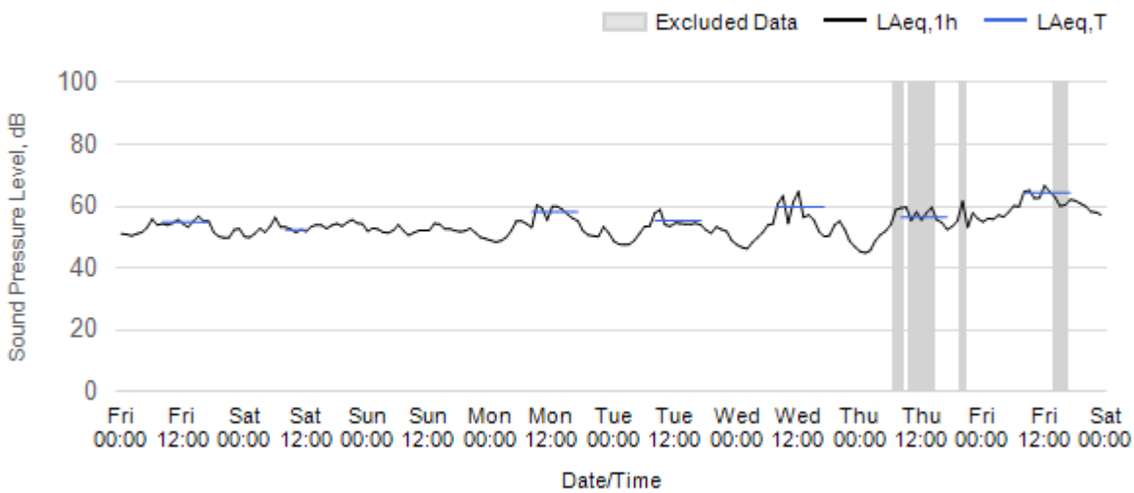




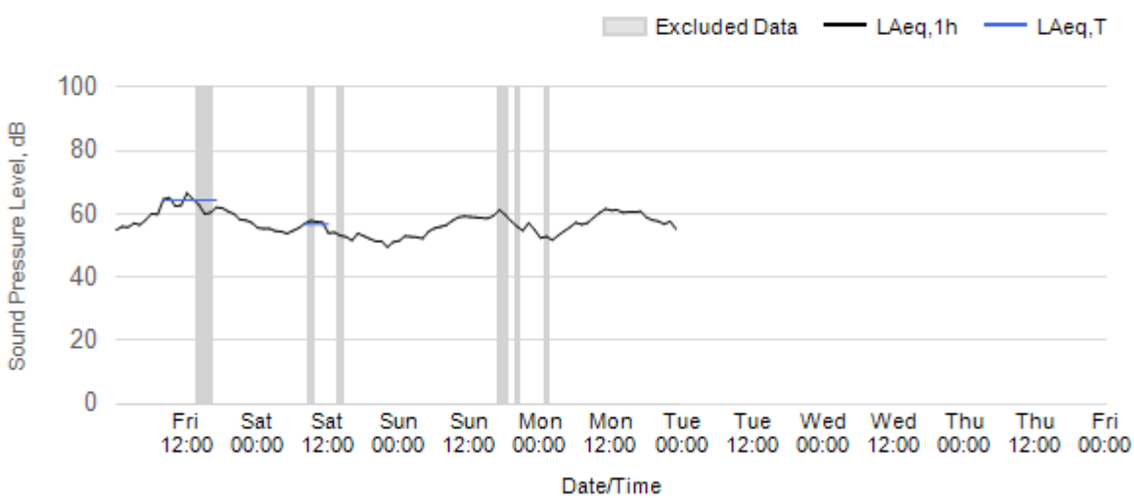
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Worksite: GE Monitoring Ref: GE-N2 22 August 2026 to 28 August 2026

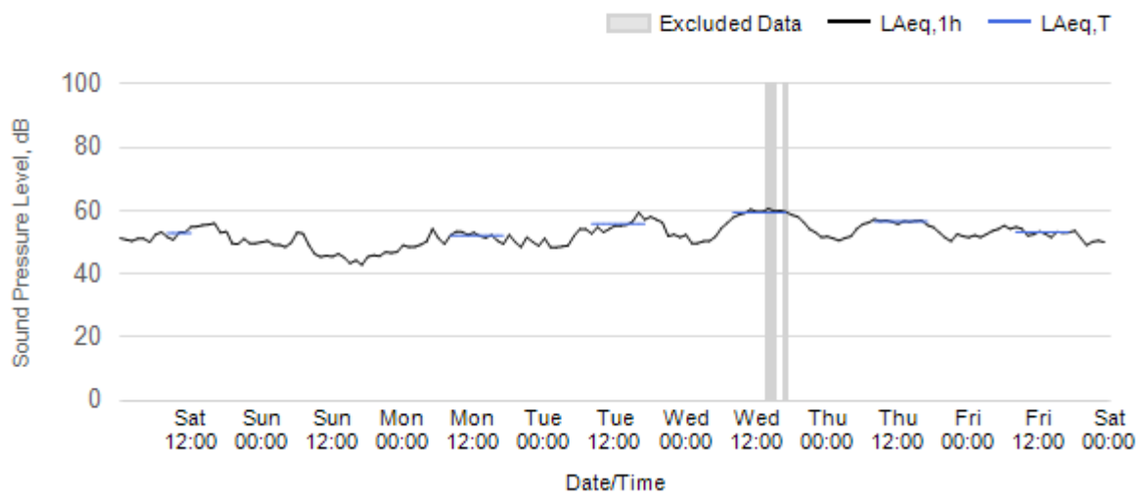


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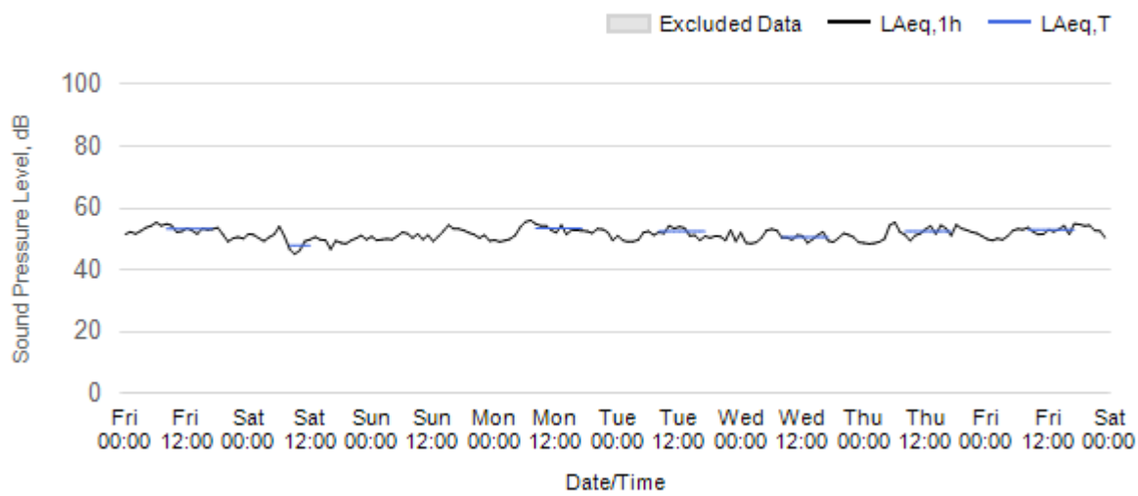


Worksite: FAEU - Monitoring Ref: FAEU-N1

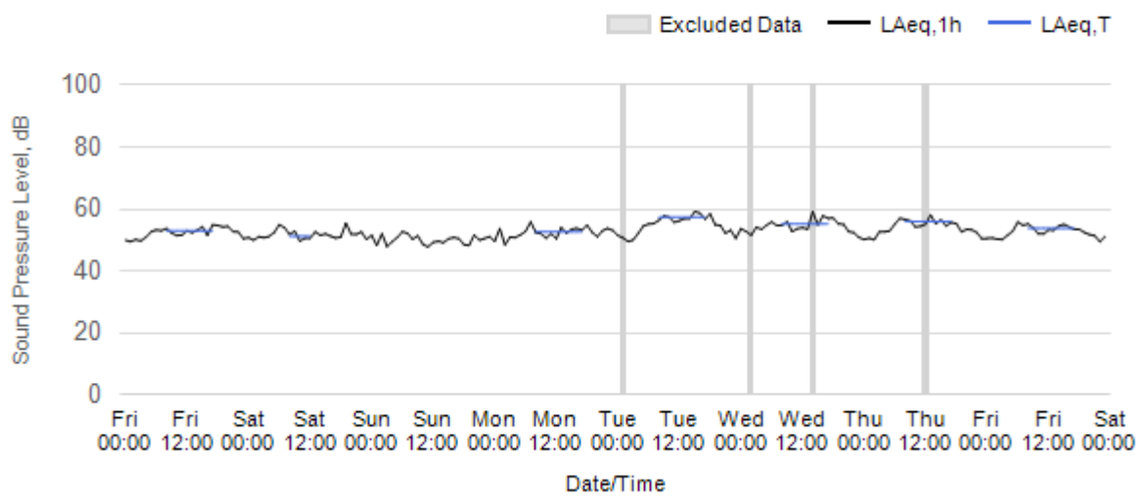
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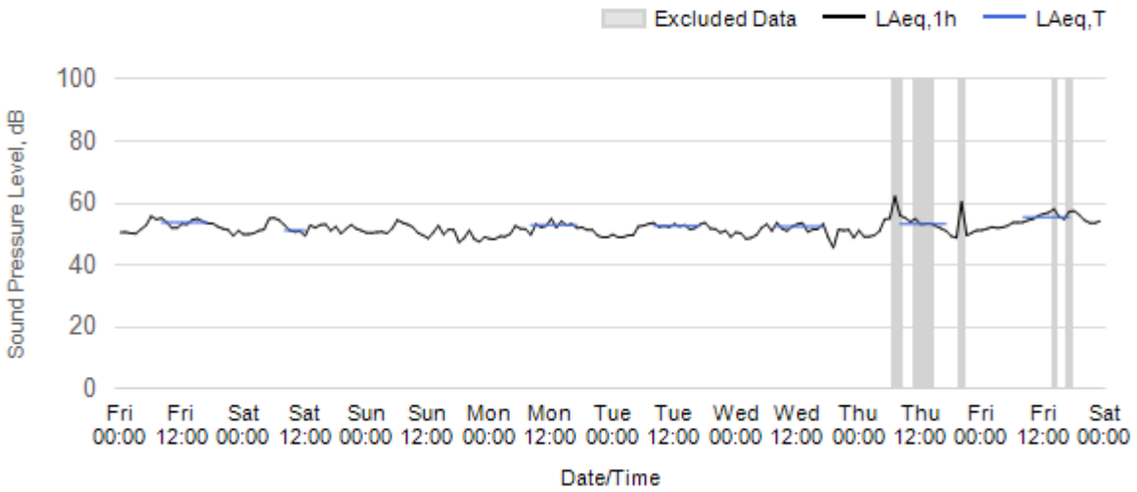
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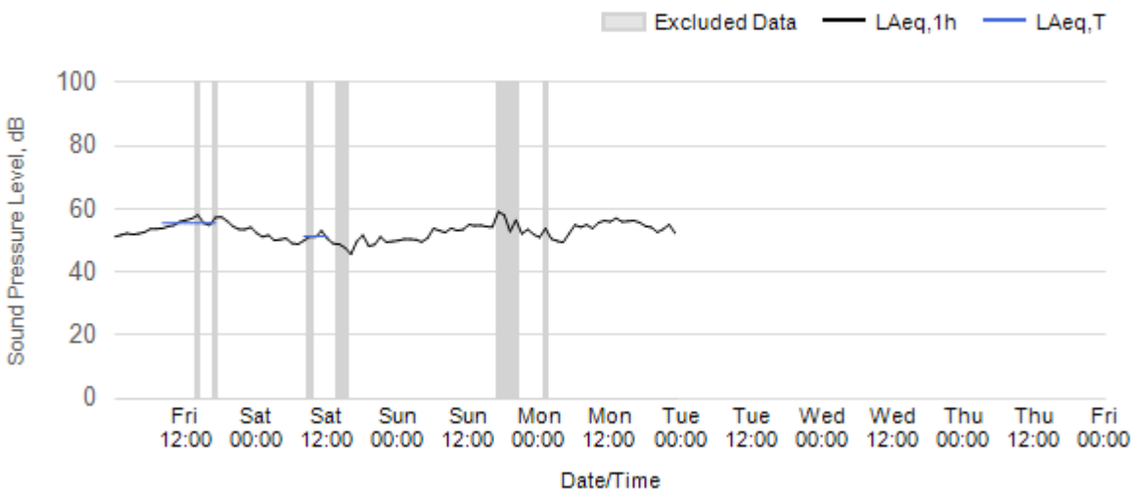
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Worksite: FAEU Monitoring Ref: FAEU-N1 22 August 2026 to 28 August 2026

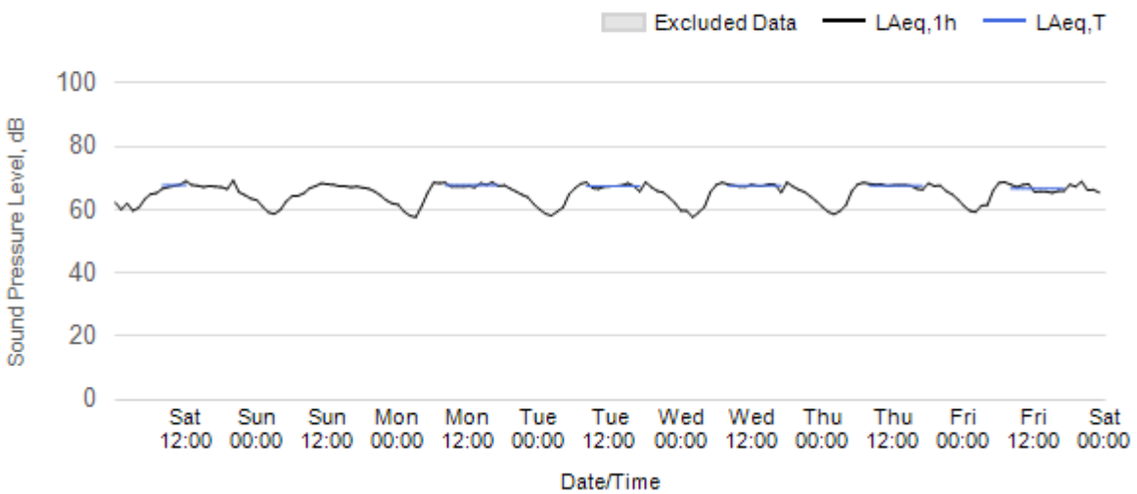


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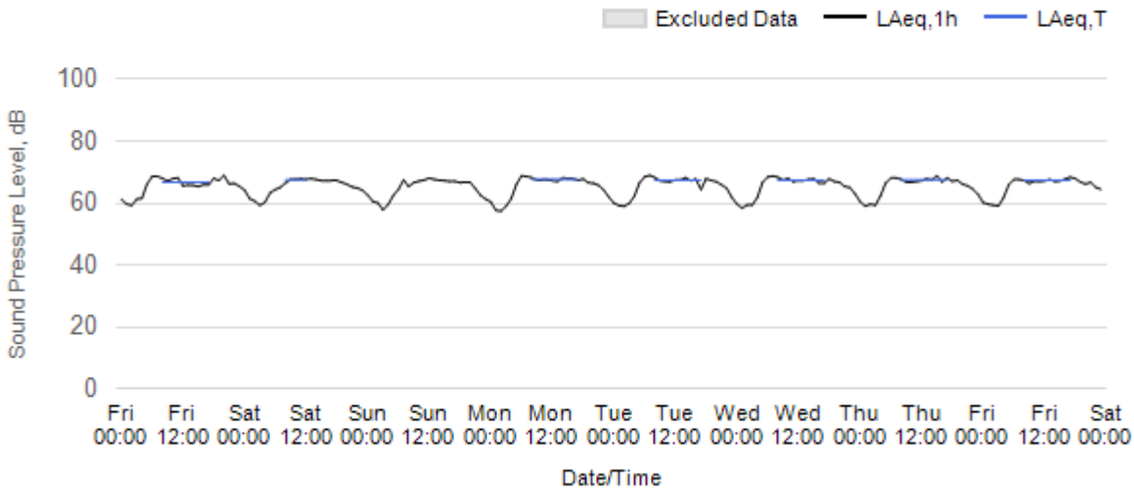


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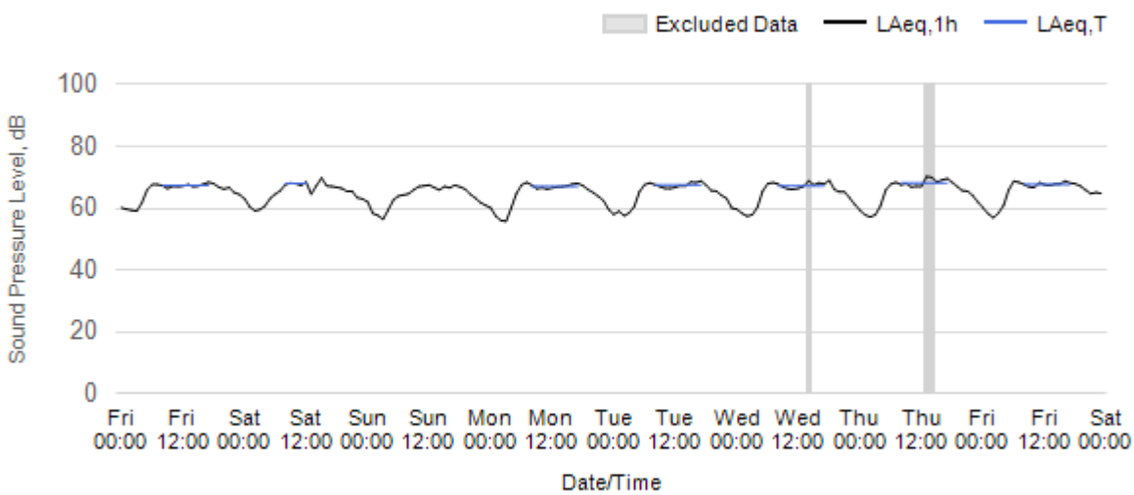
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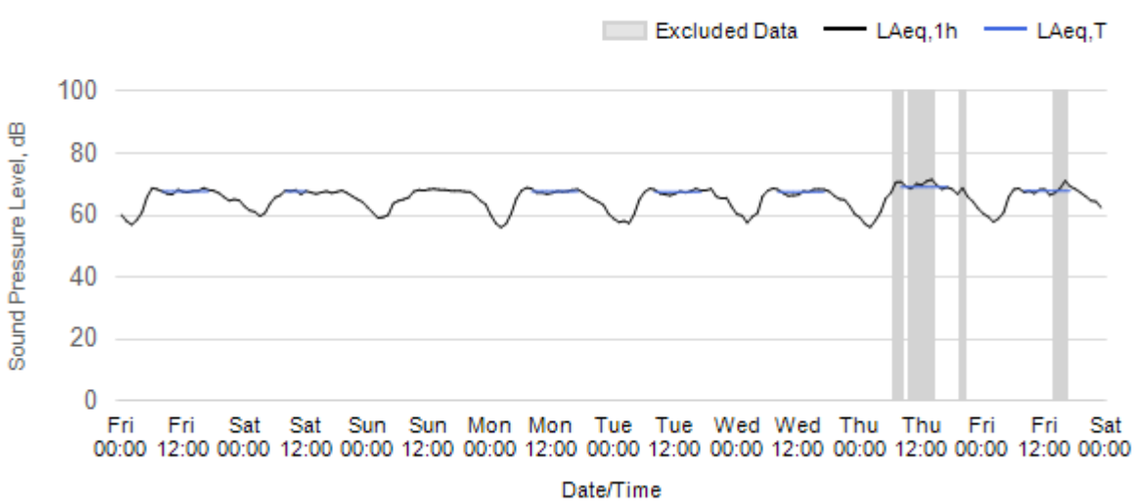
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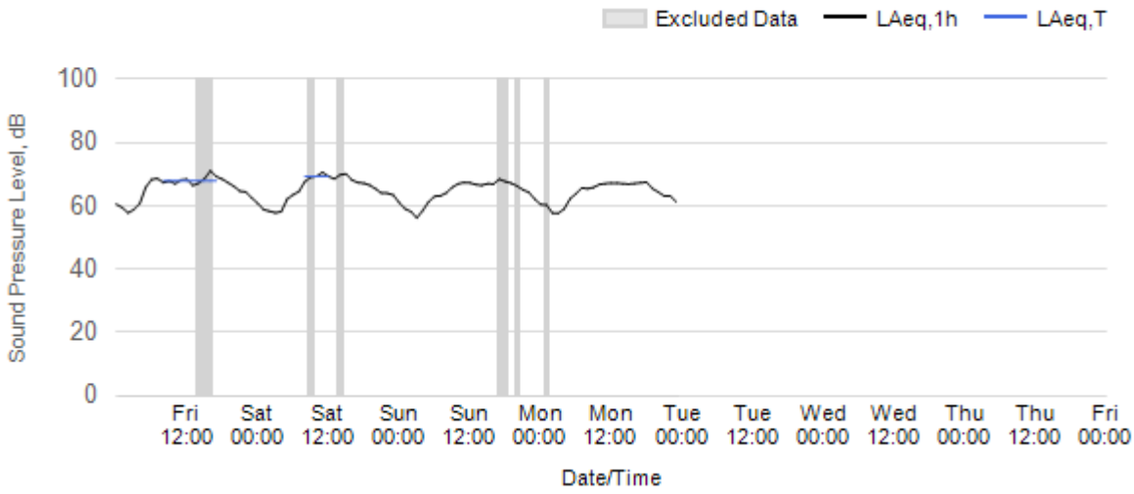
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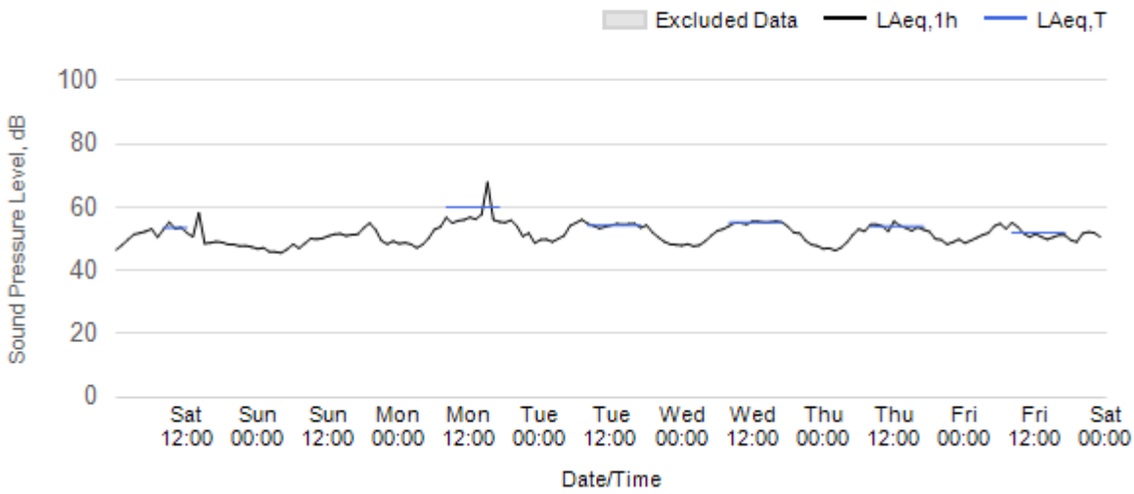


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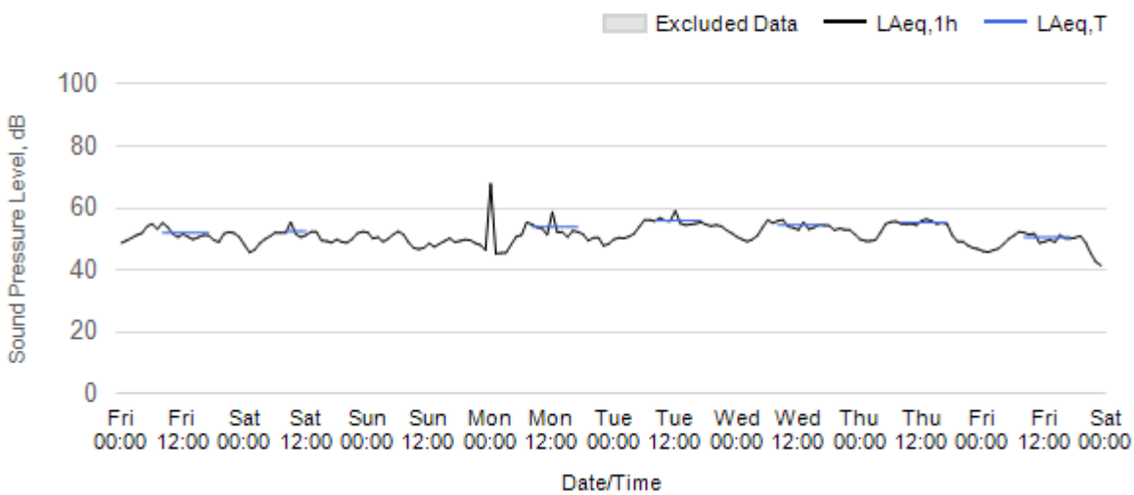


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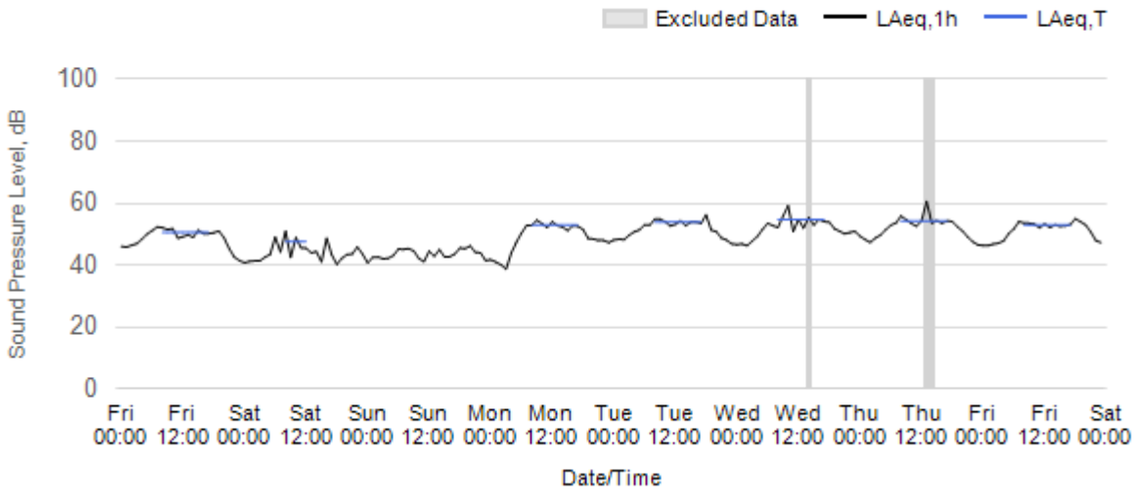
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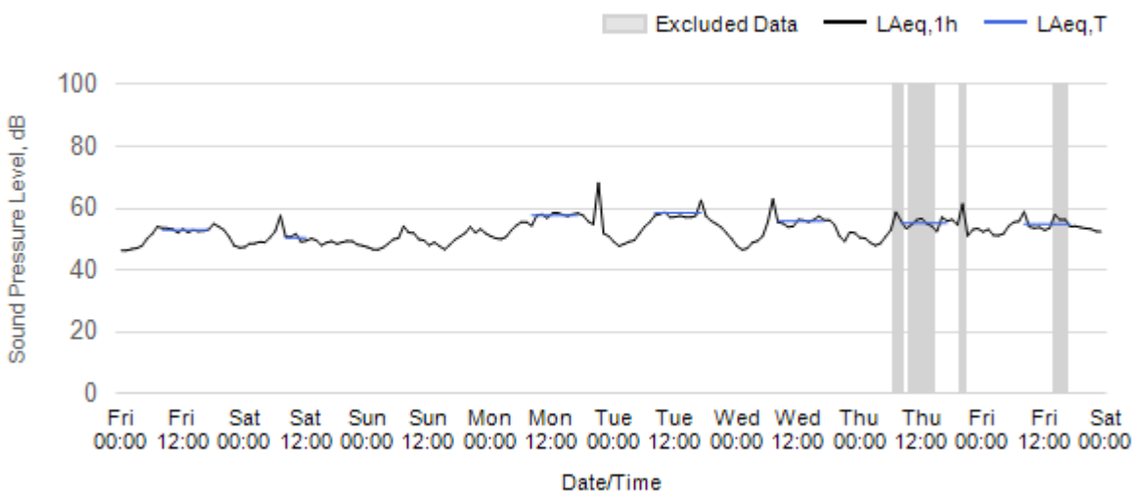
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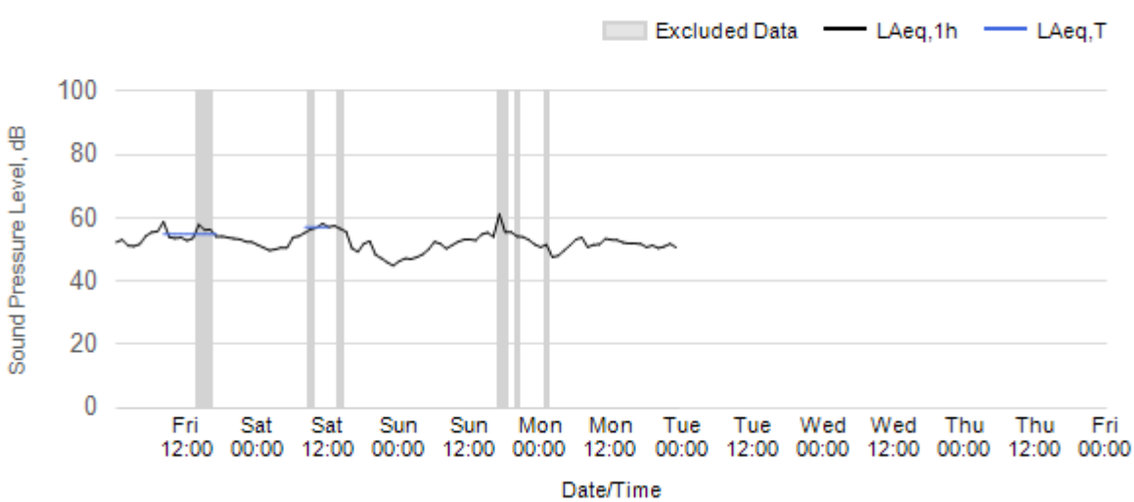
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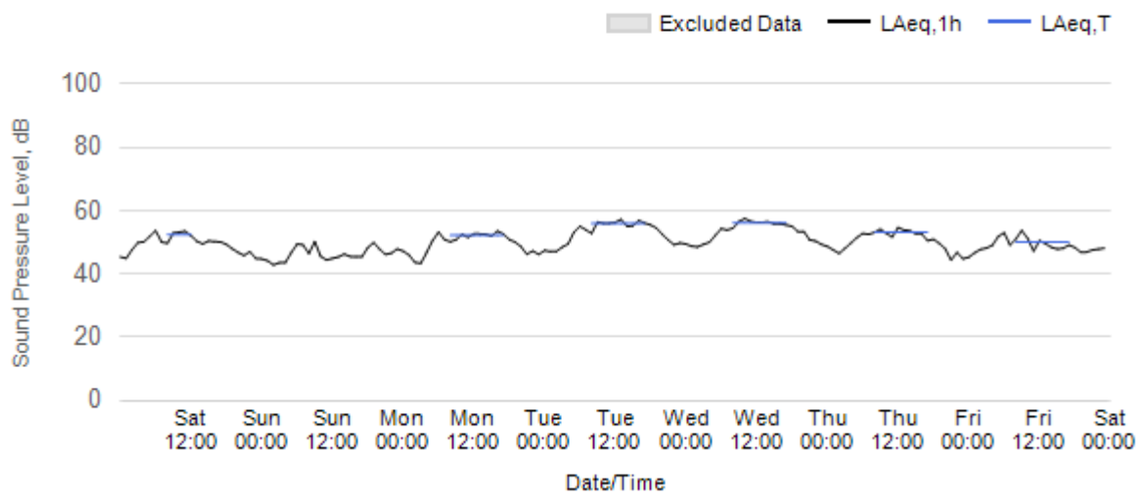


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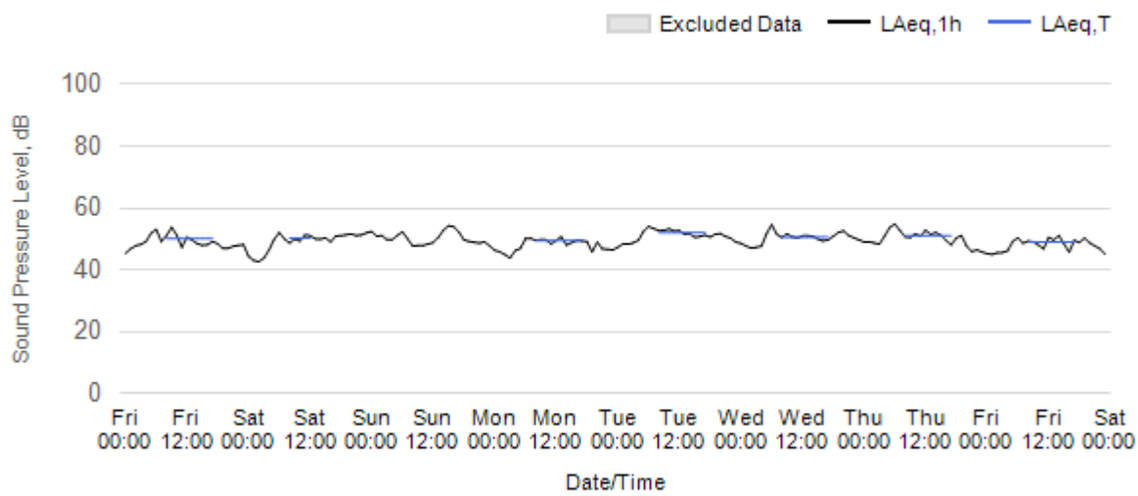


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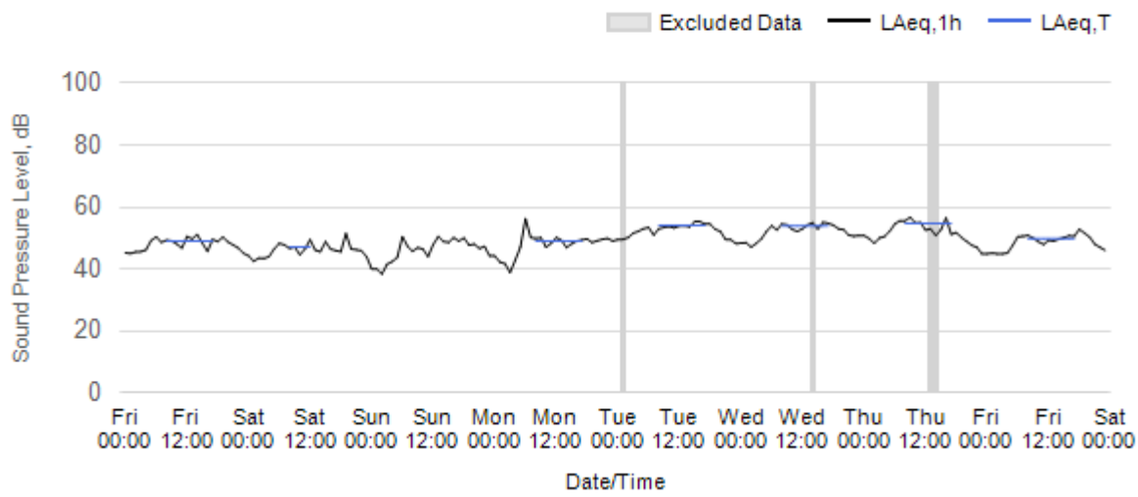
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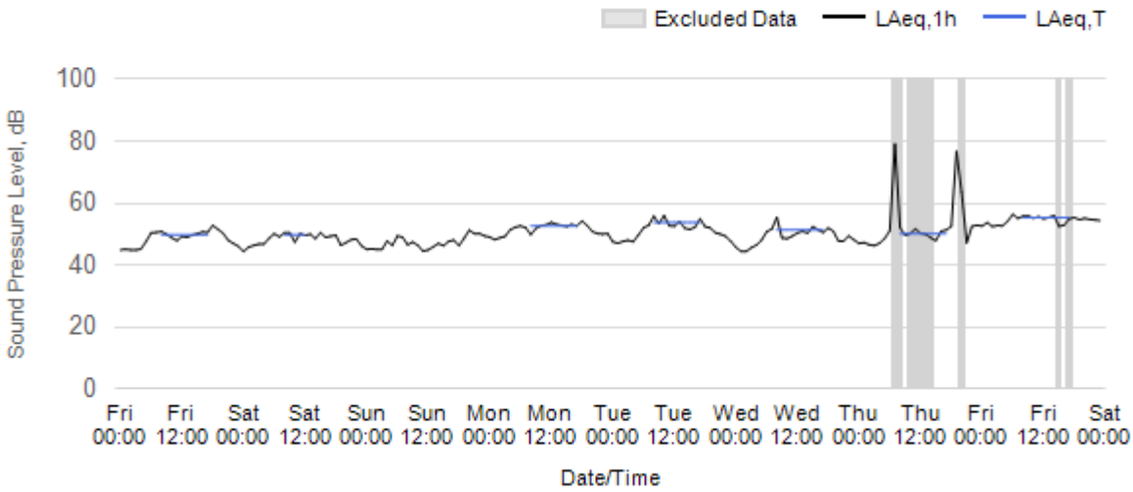
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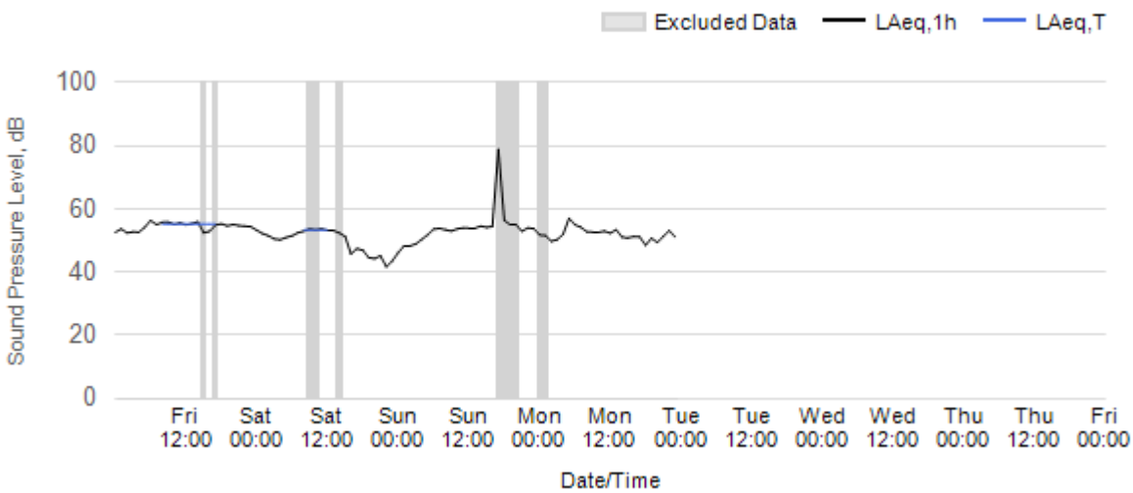
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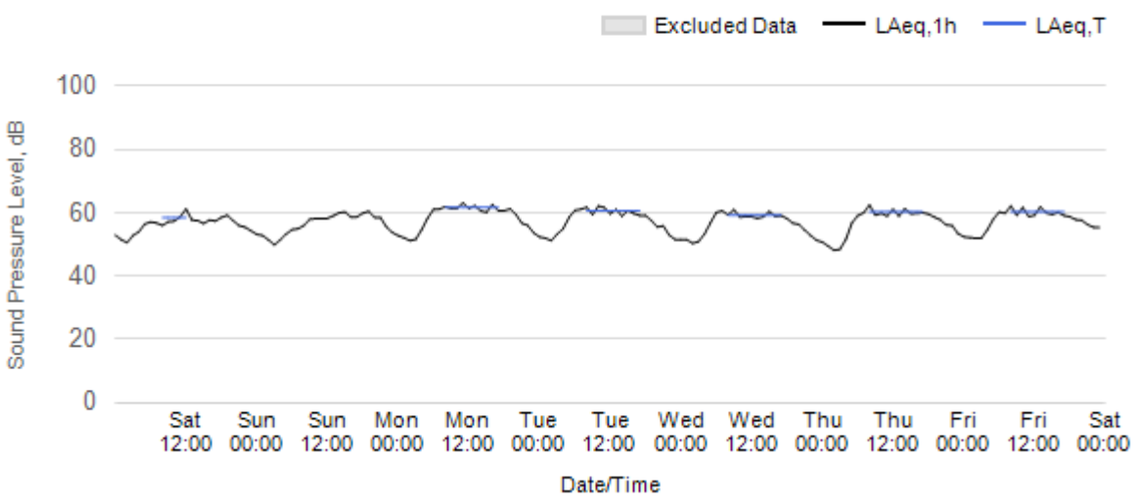


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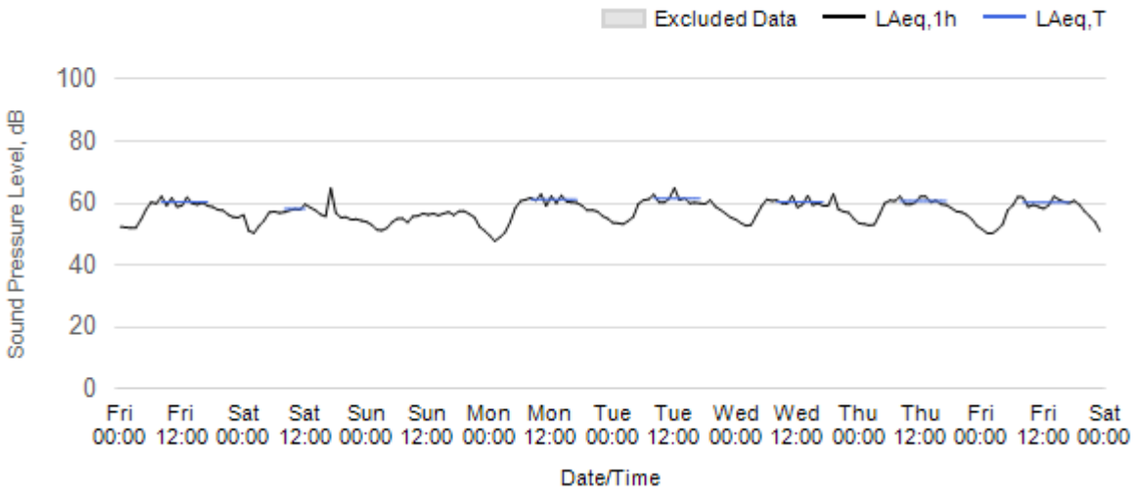


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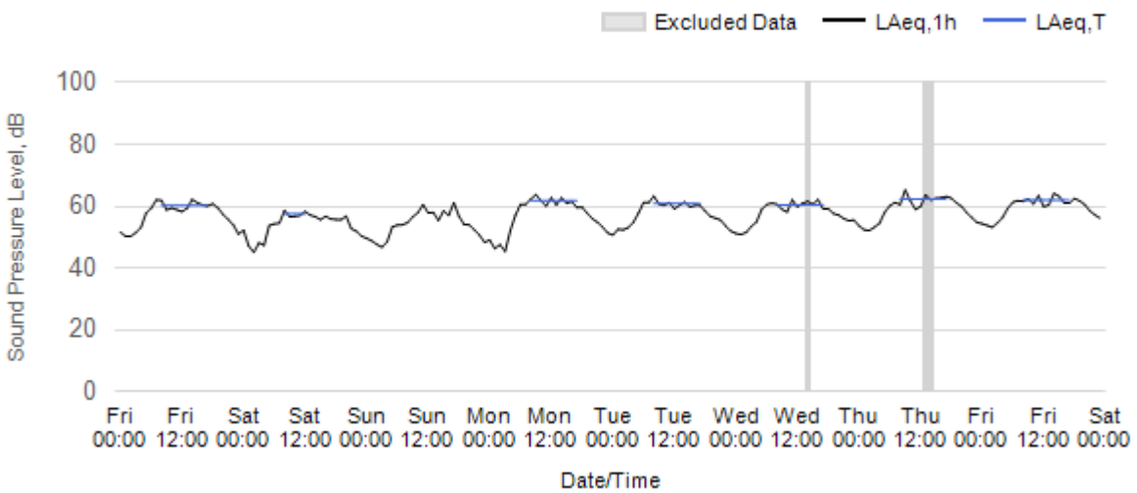
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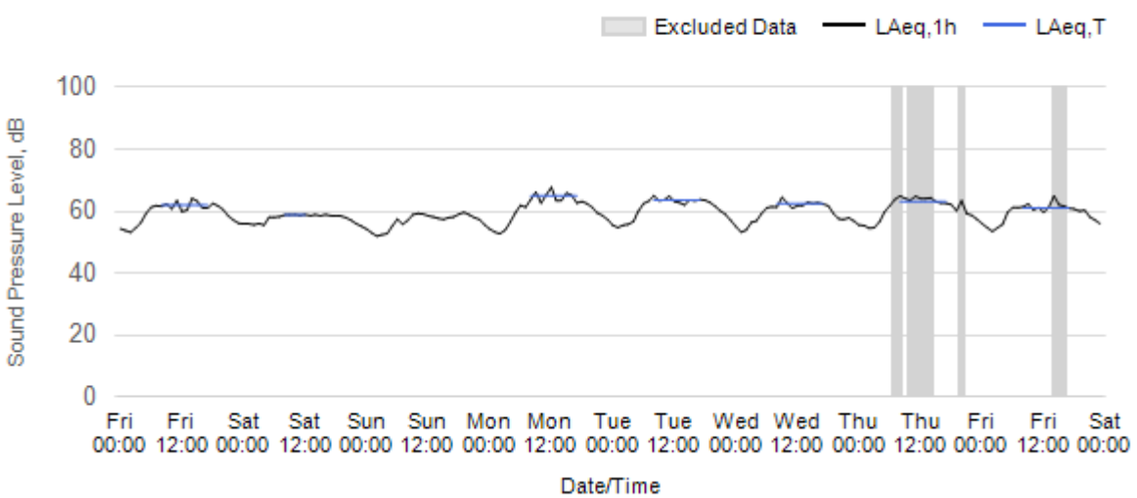
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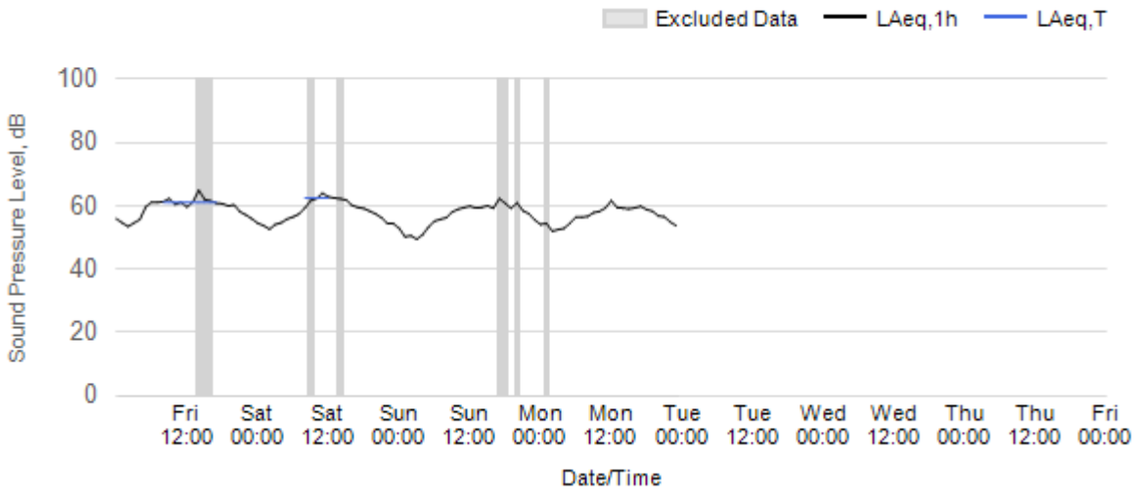
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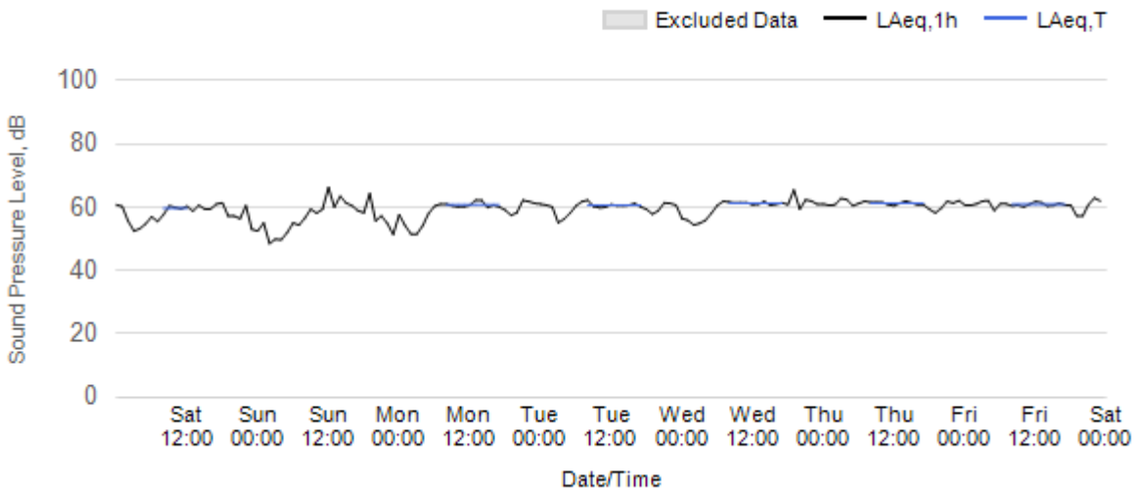


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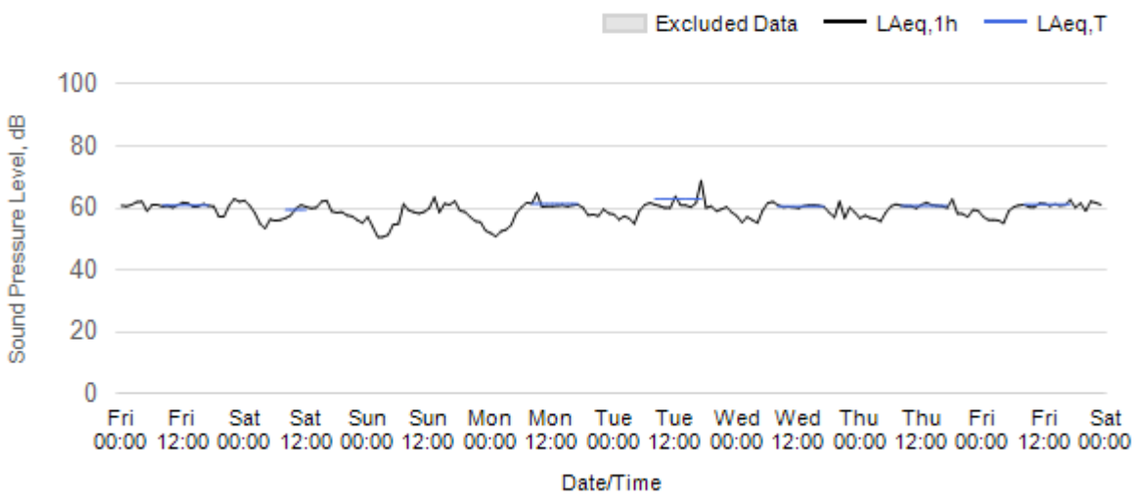


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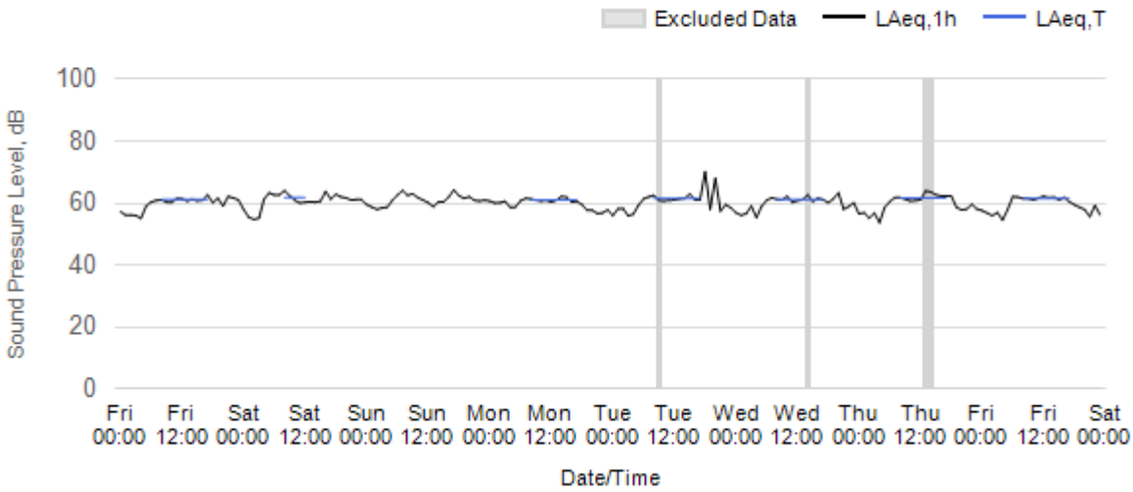
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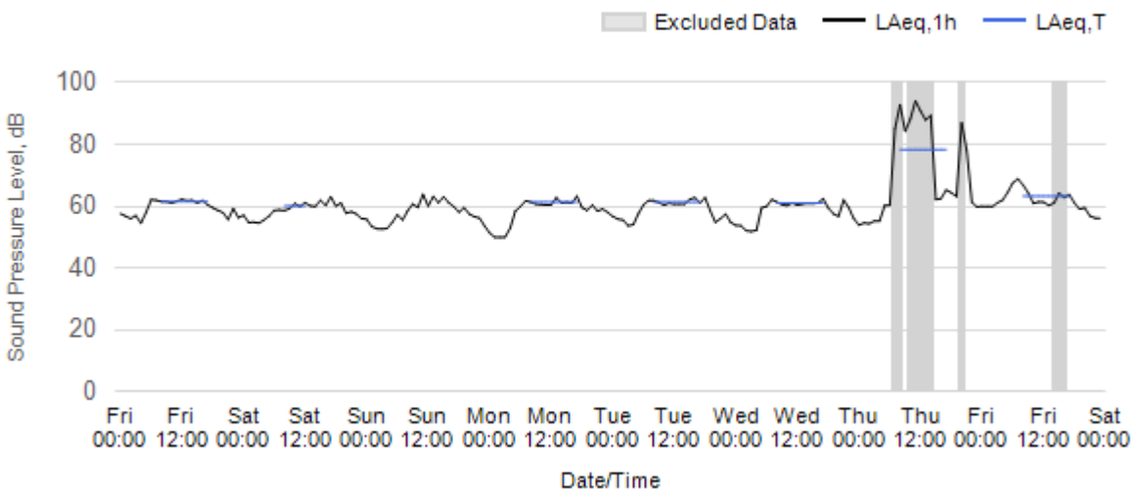
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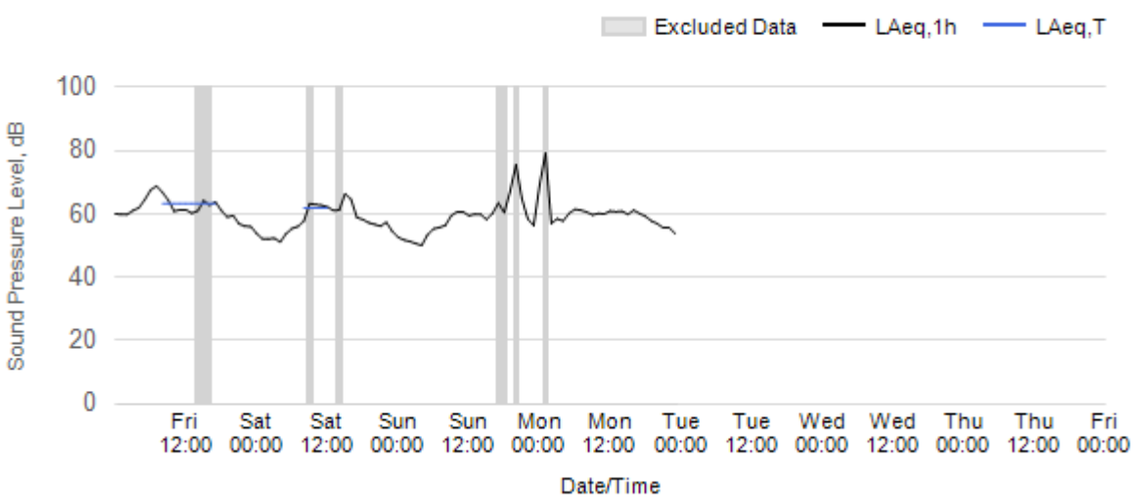
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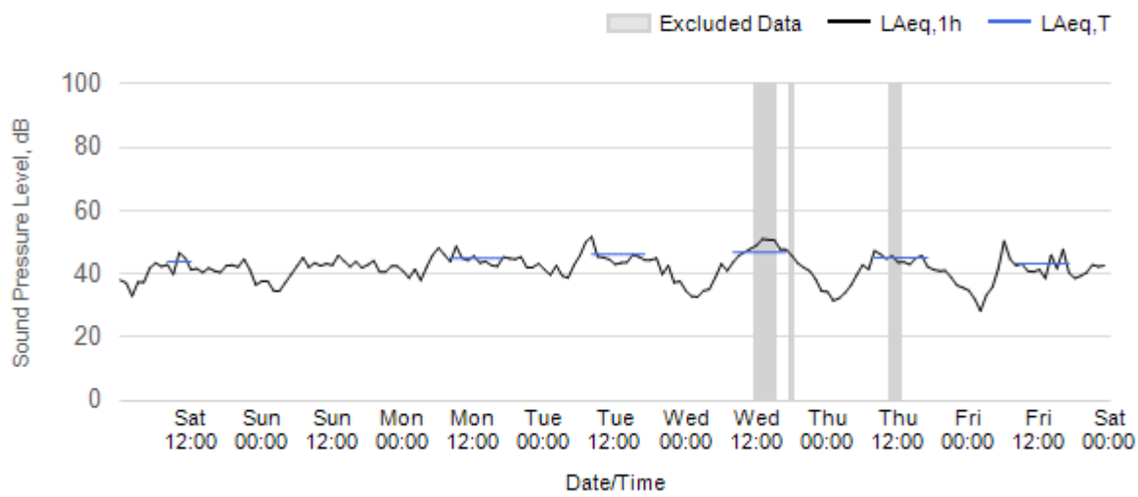


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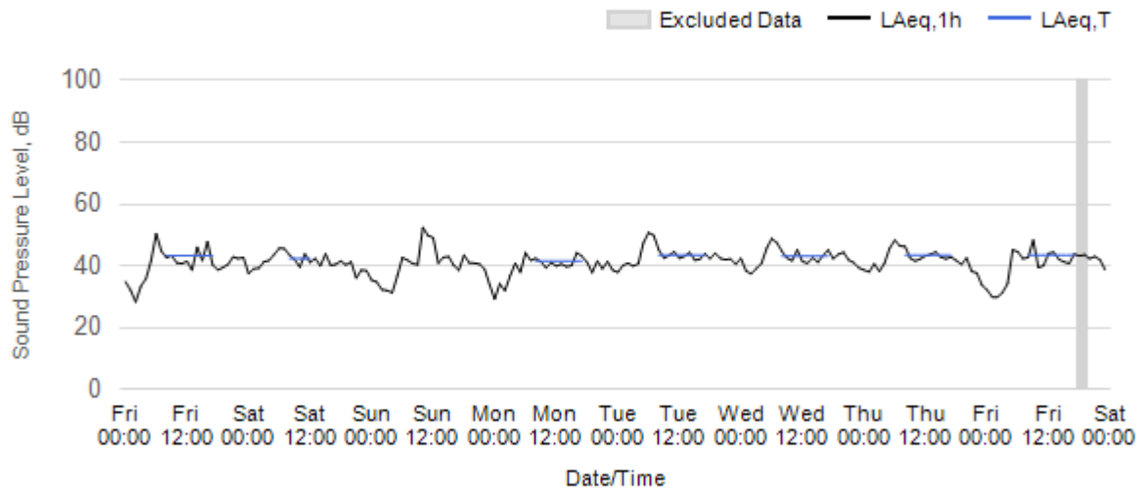


Worksite: CLE - Monitoring Ref: CLE-N1

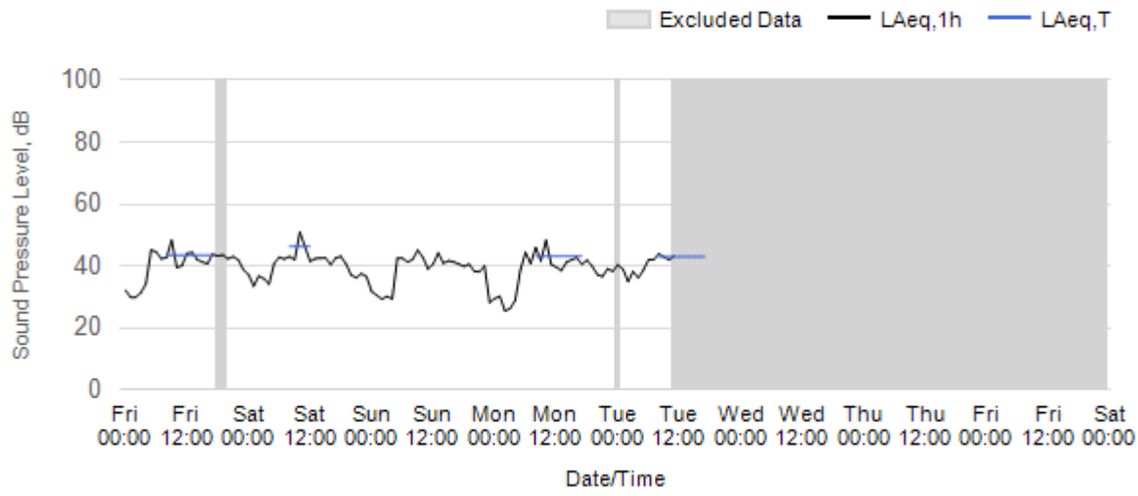
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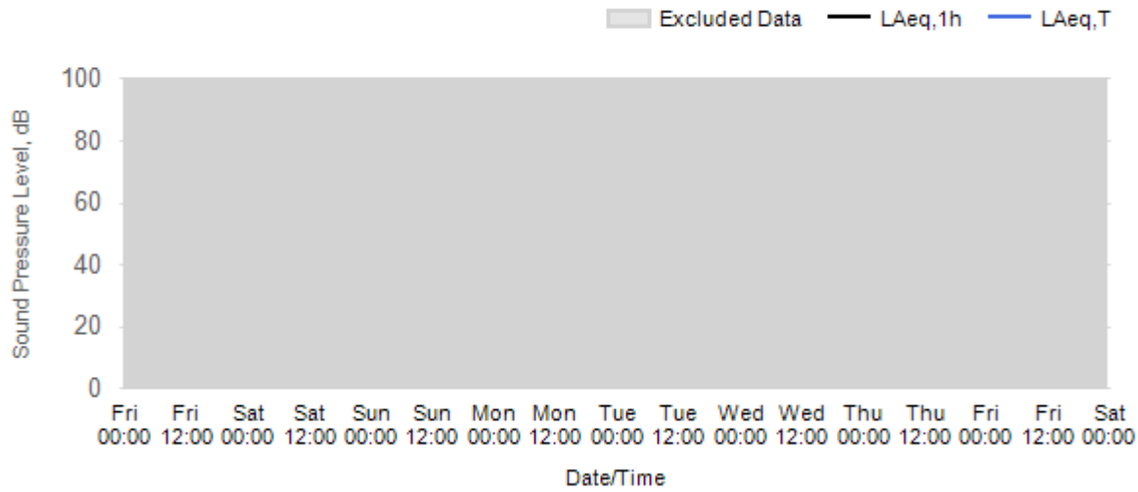


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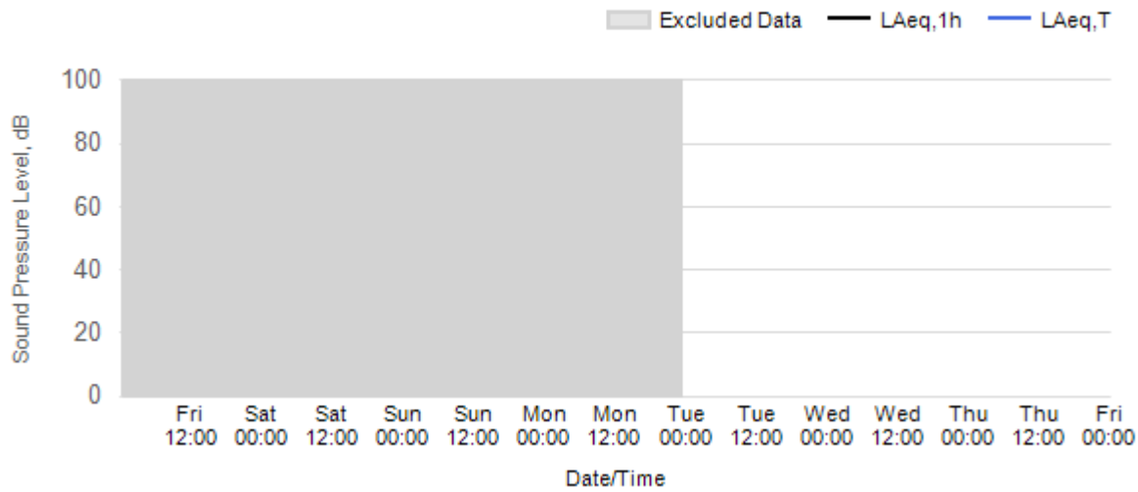
Note: Missing data due to monitoring equipment being decommissioned and removed from site.

Worksite: CLE Monitoring Ref: CLE-N1 22 August 2026 to 28 August 2026



Note: Missing data due to monitoring equipment being decommissioned and removed from site.

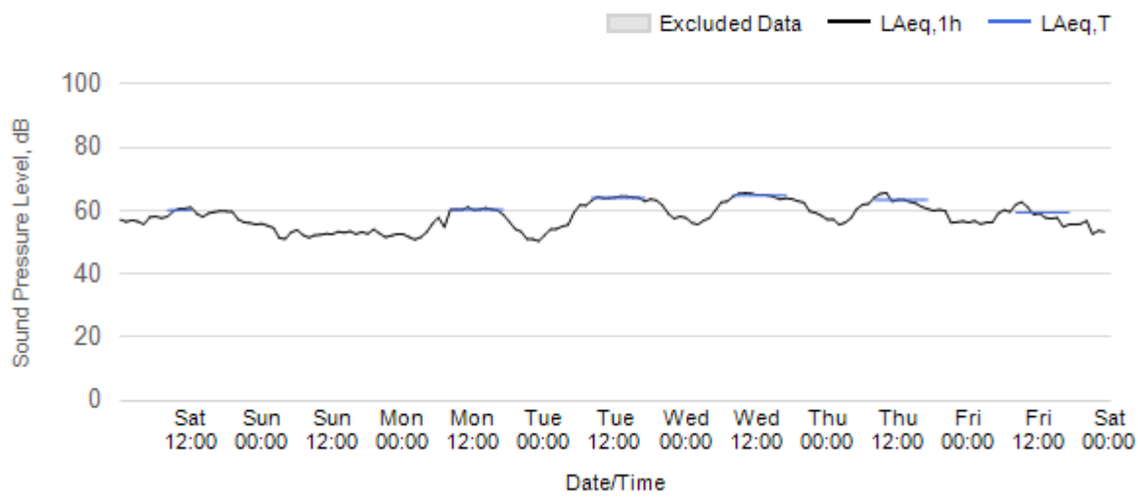
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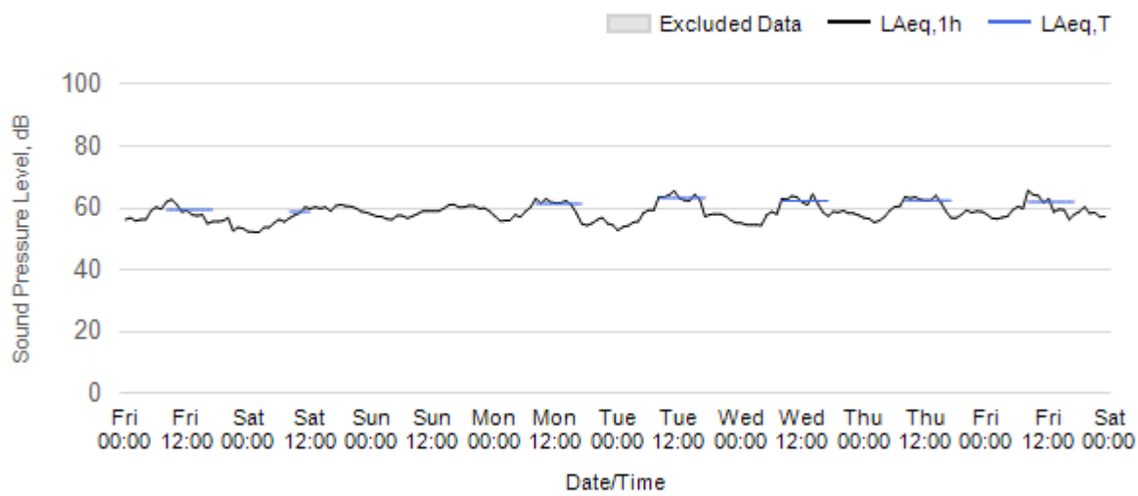
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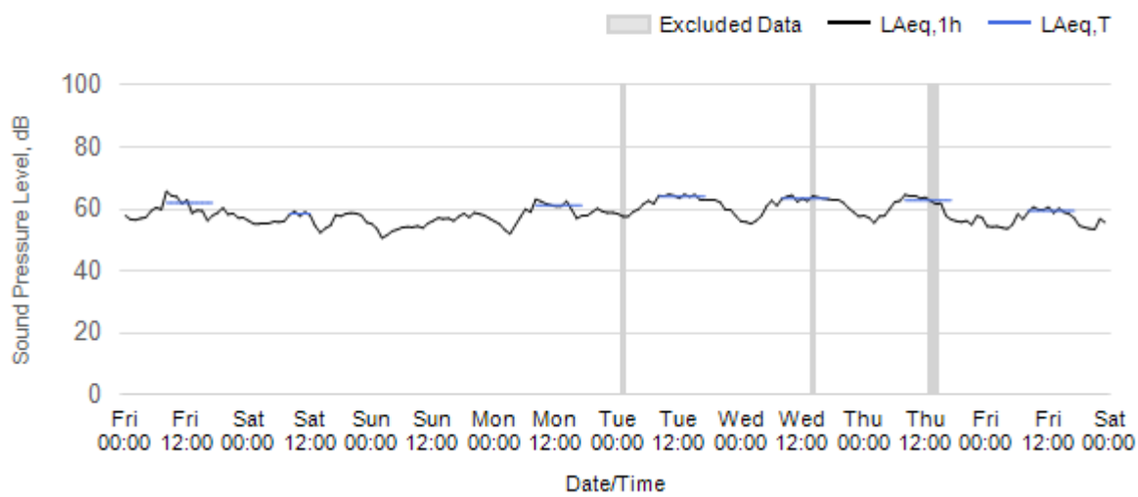
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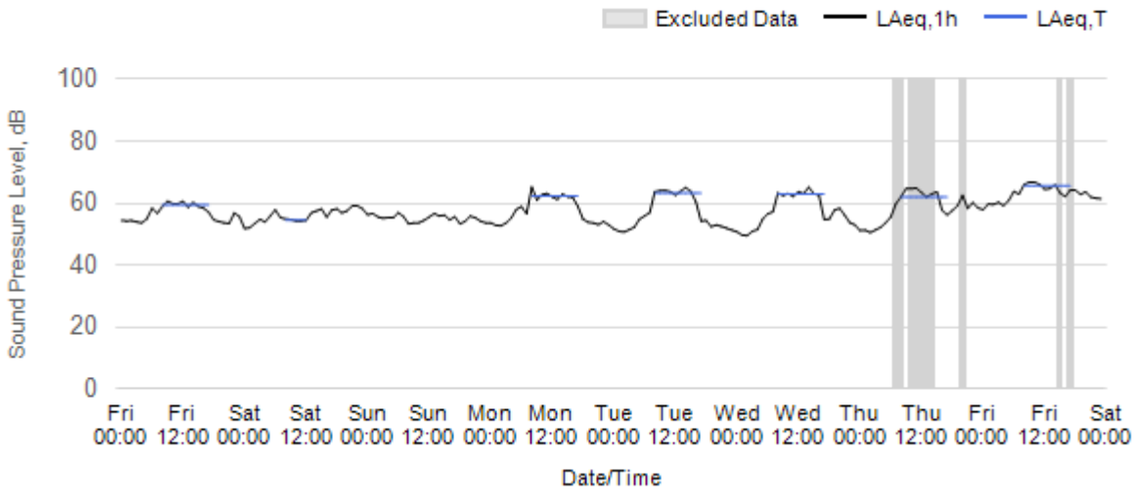
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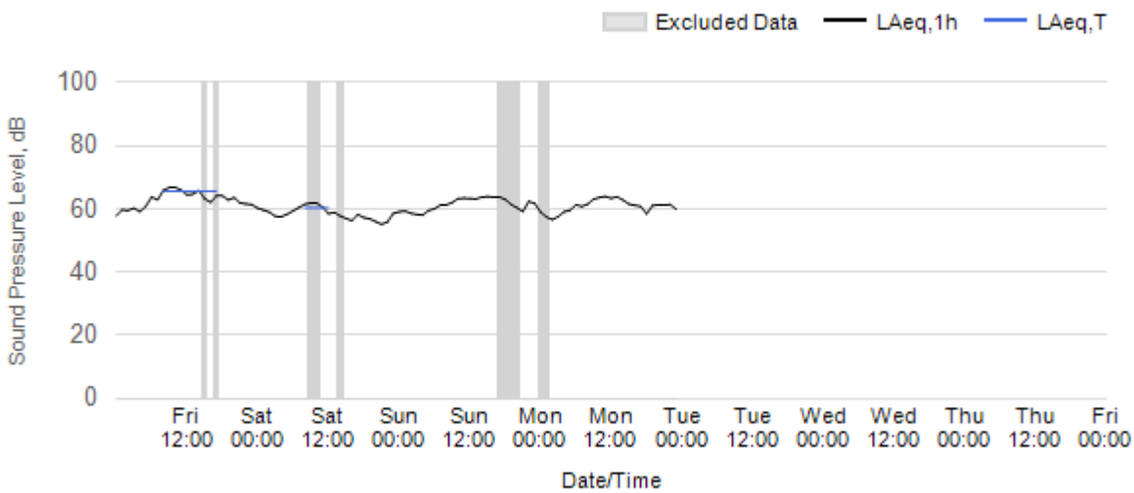
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Worksite: AFE Monitoring Ref: AFE-N1 22 August 2026 to 28 August 2026

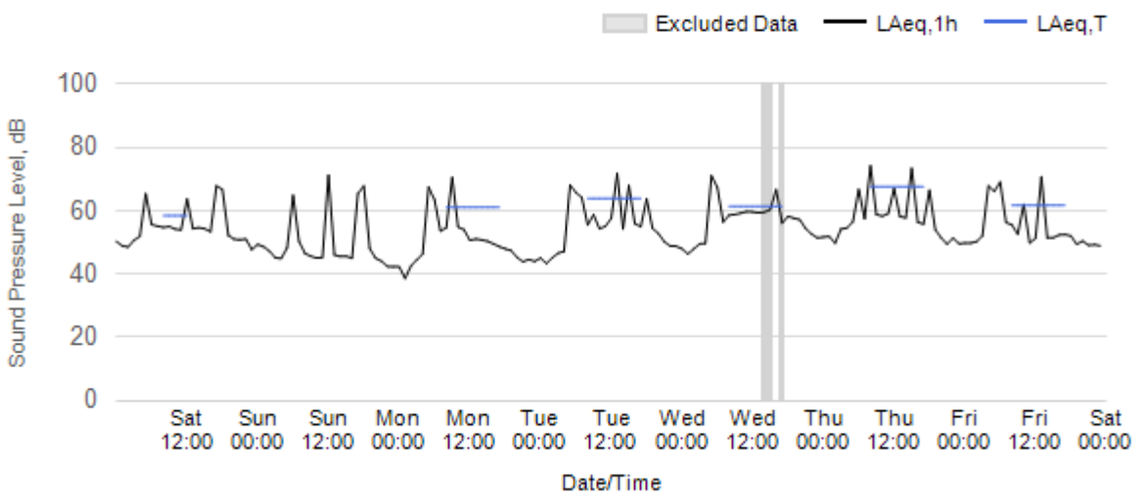


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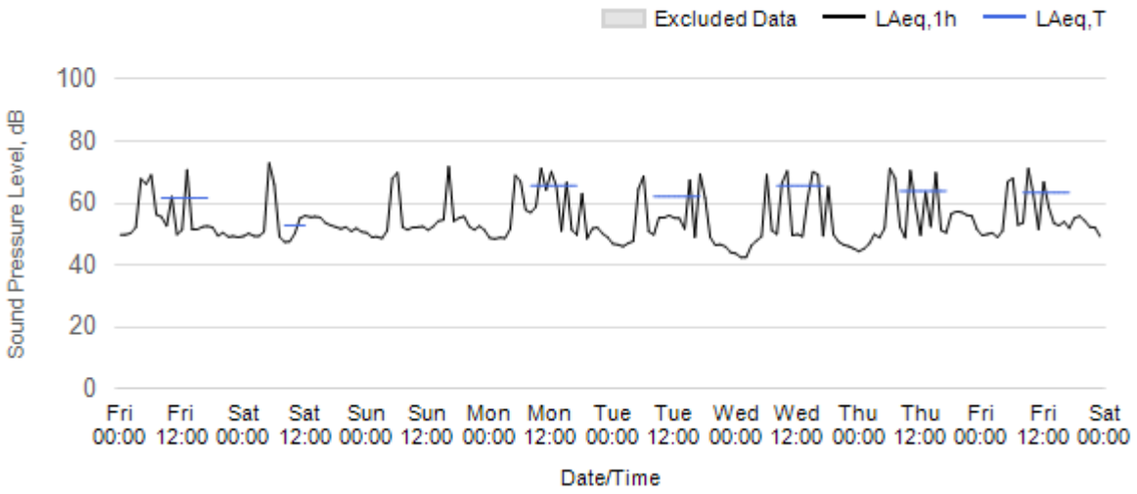


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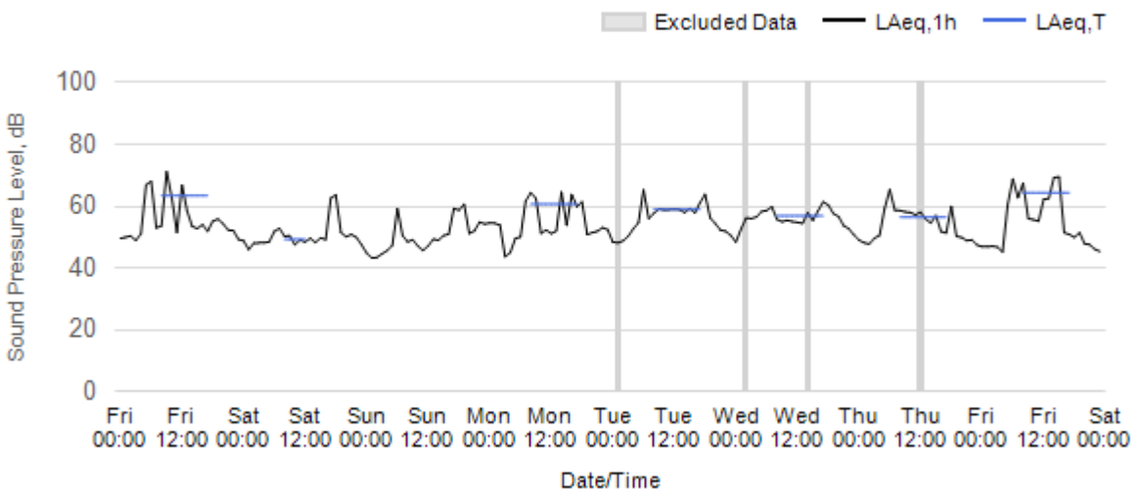
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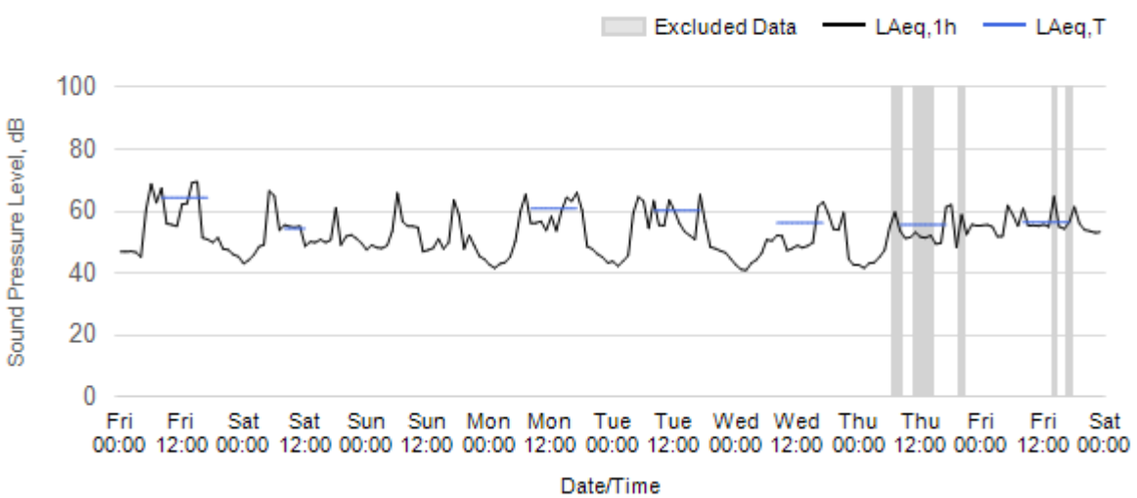
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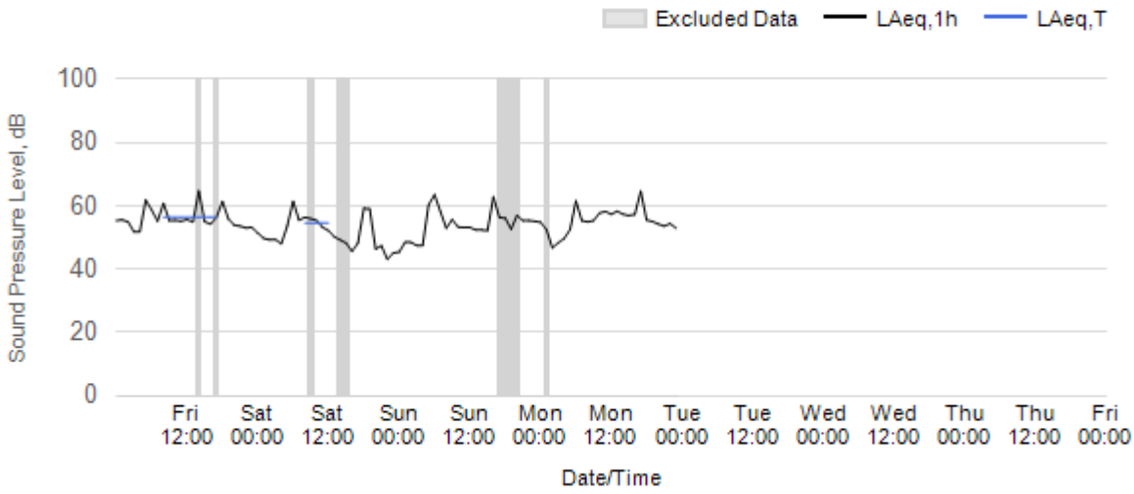
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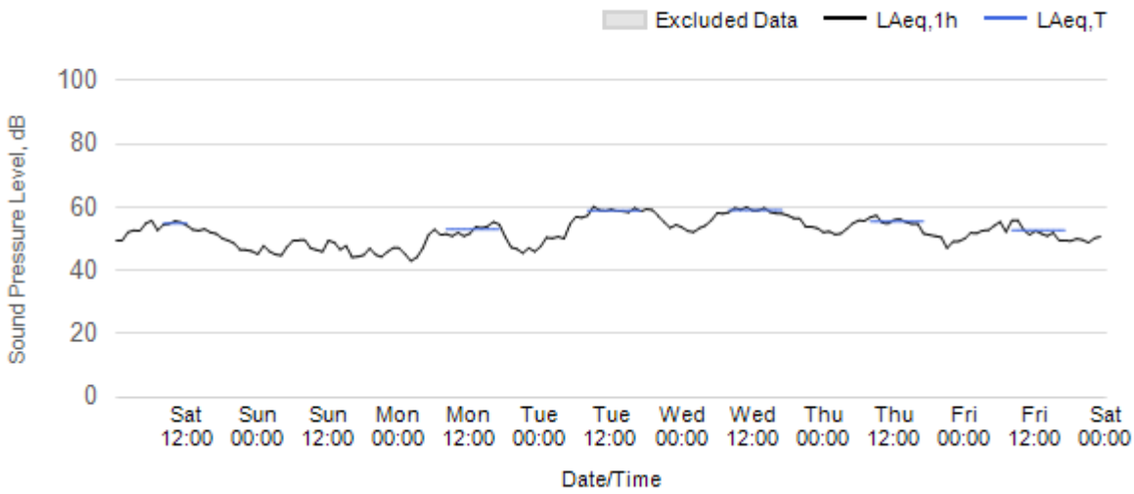


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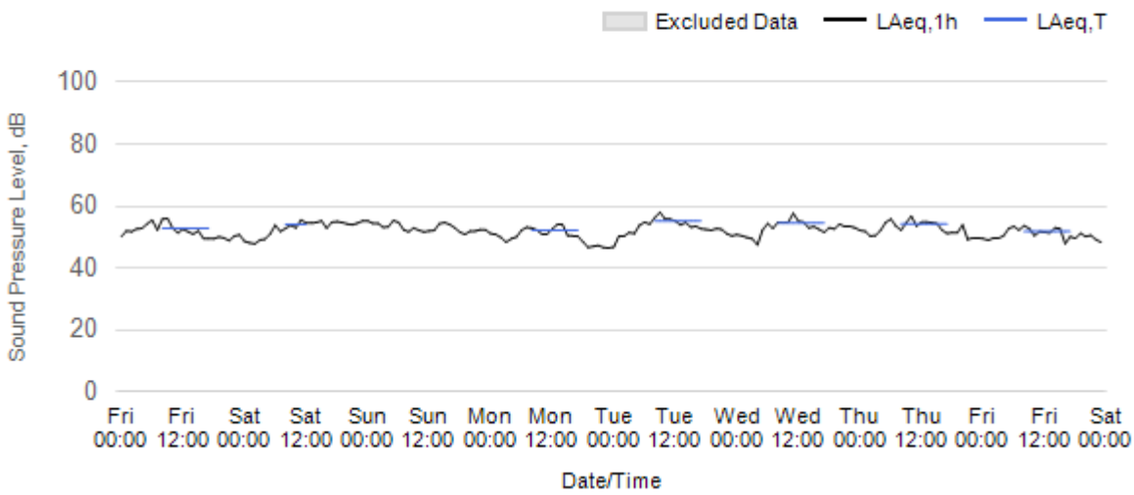


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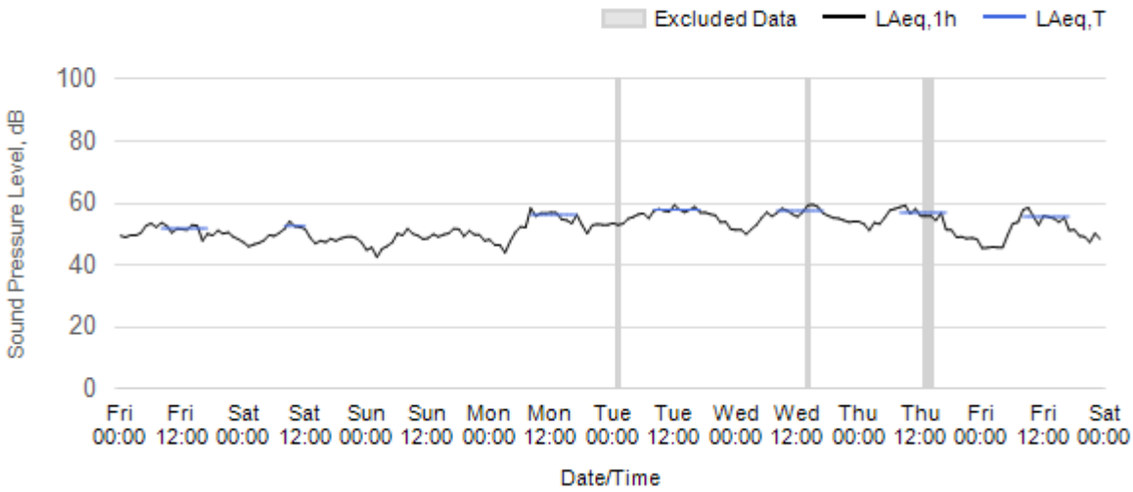
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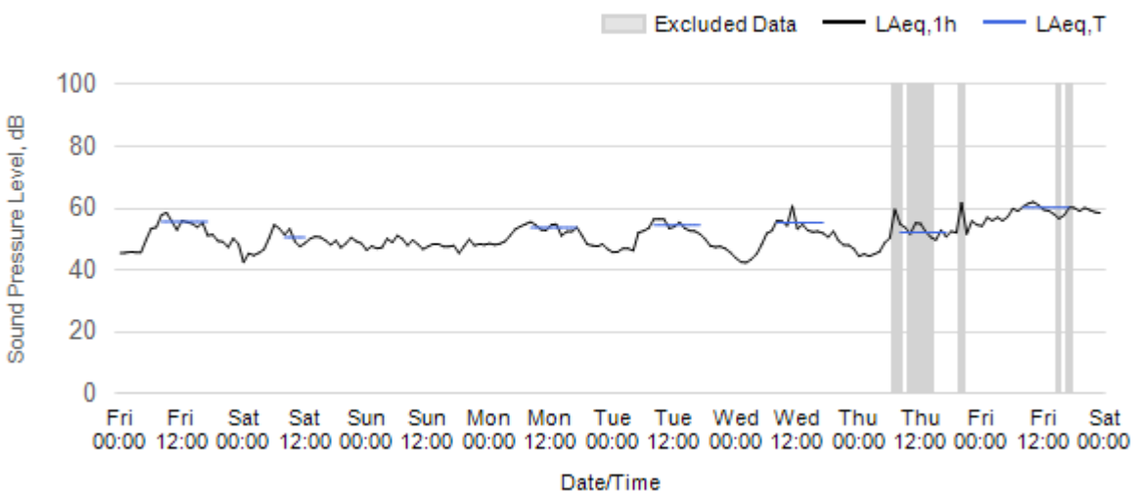
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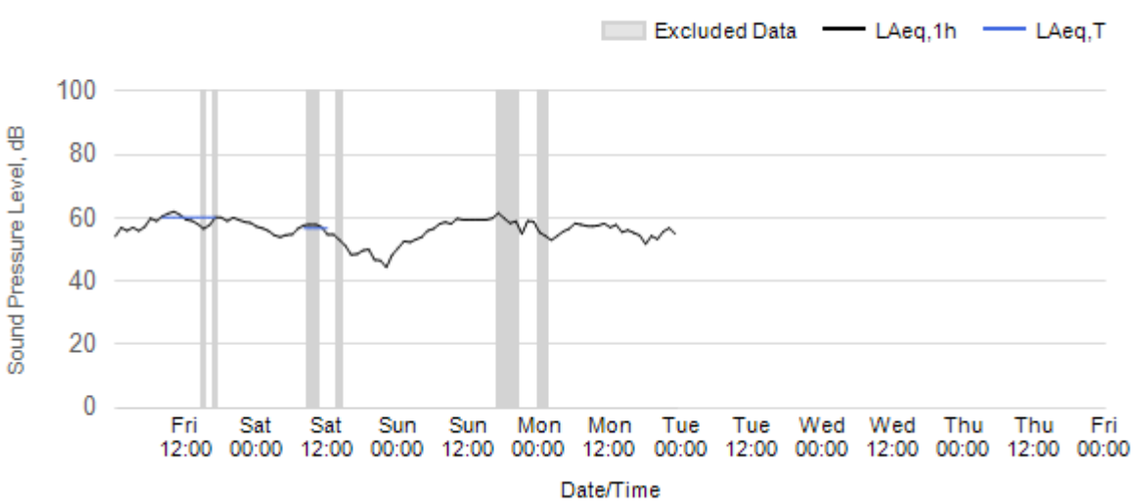
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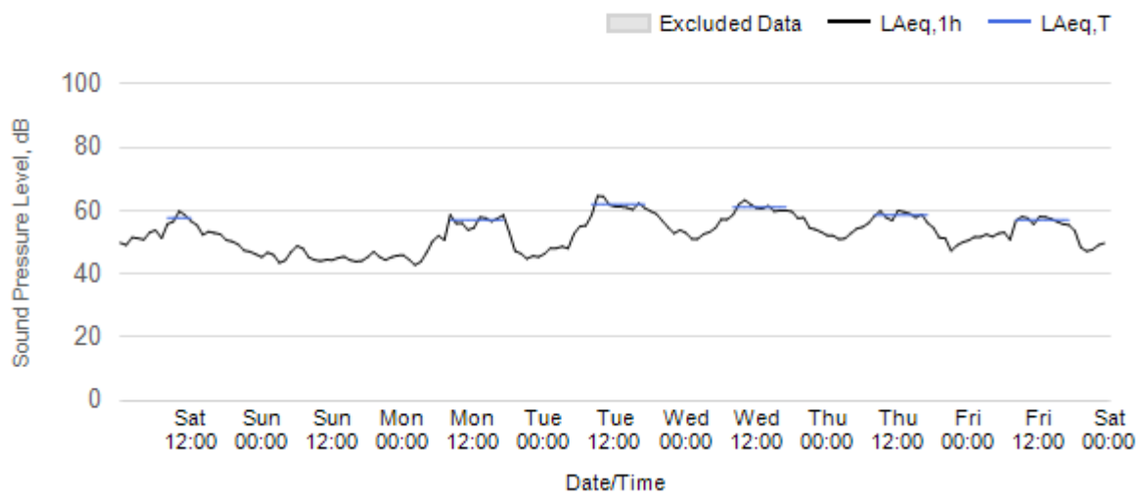


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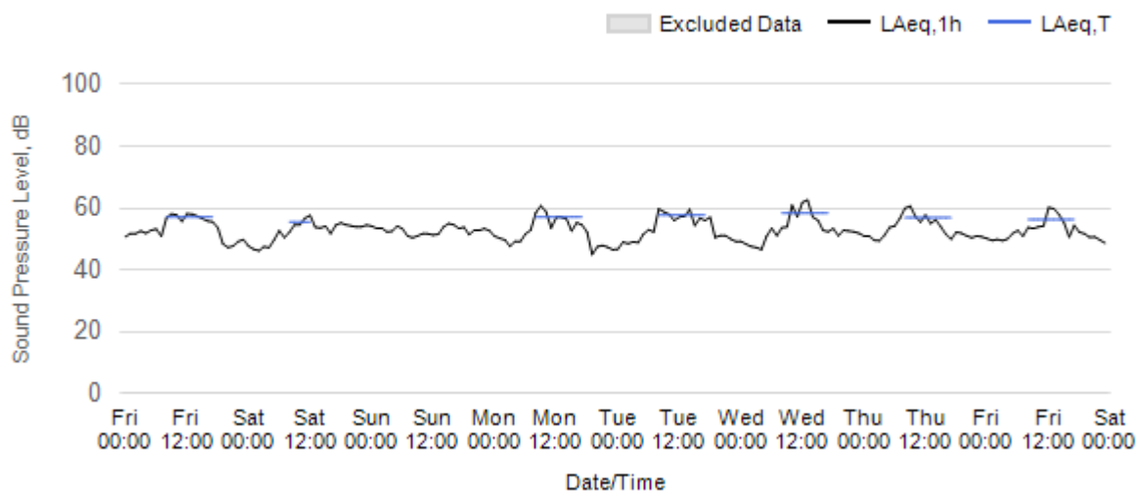


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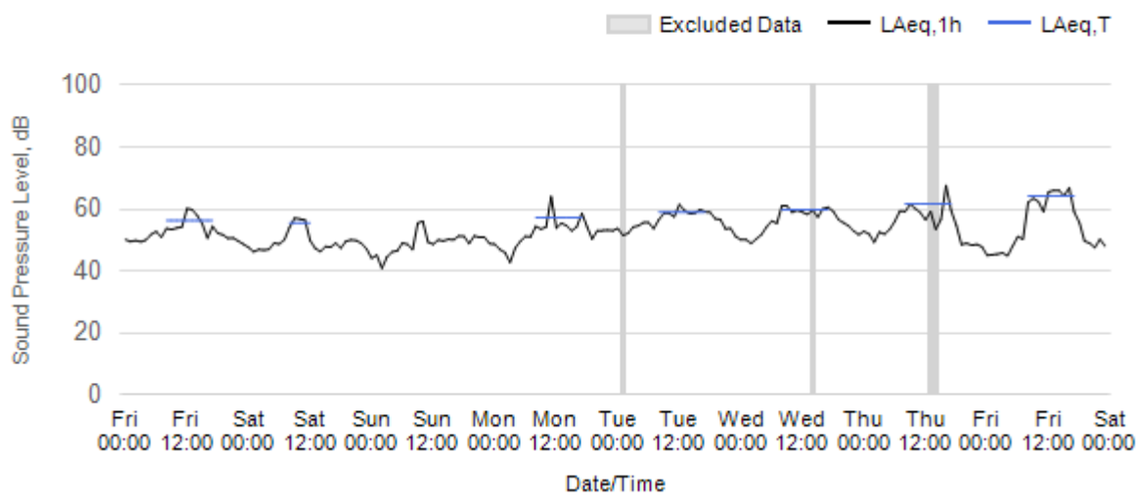
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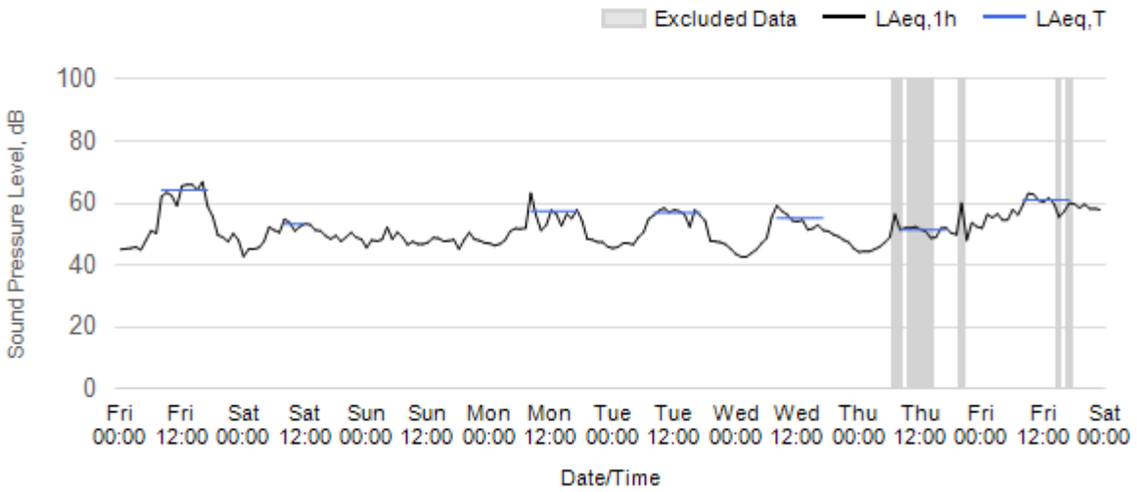
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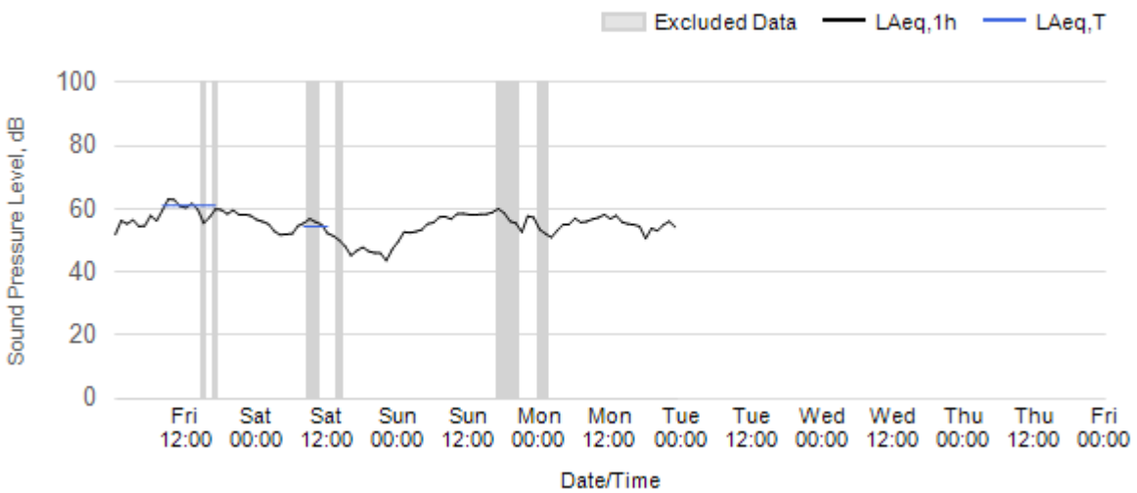
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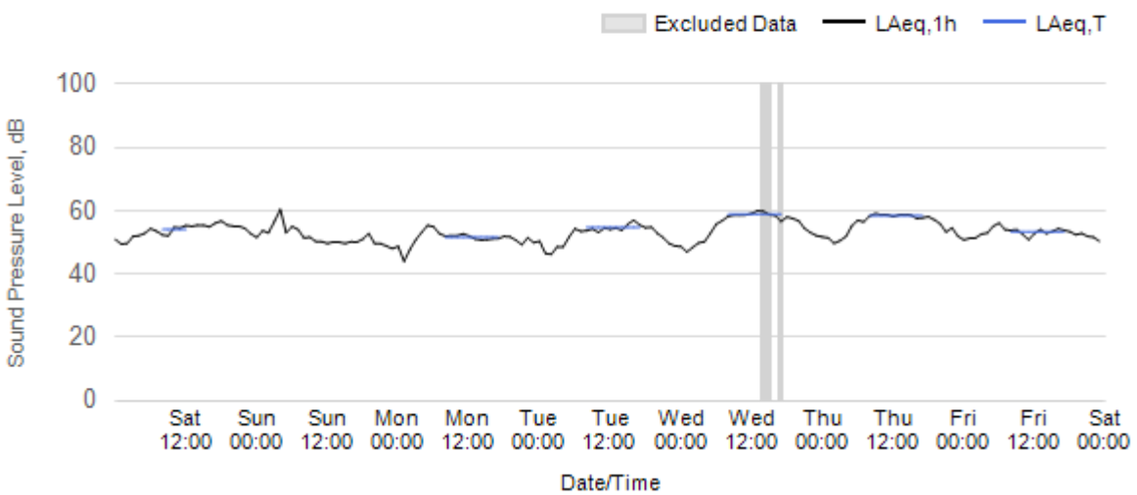


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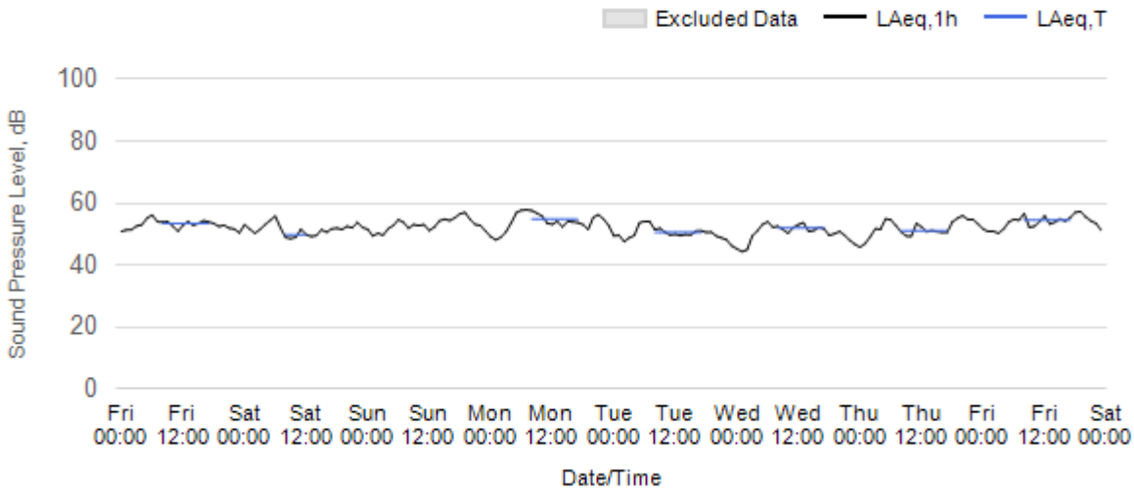


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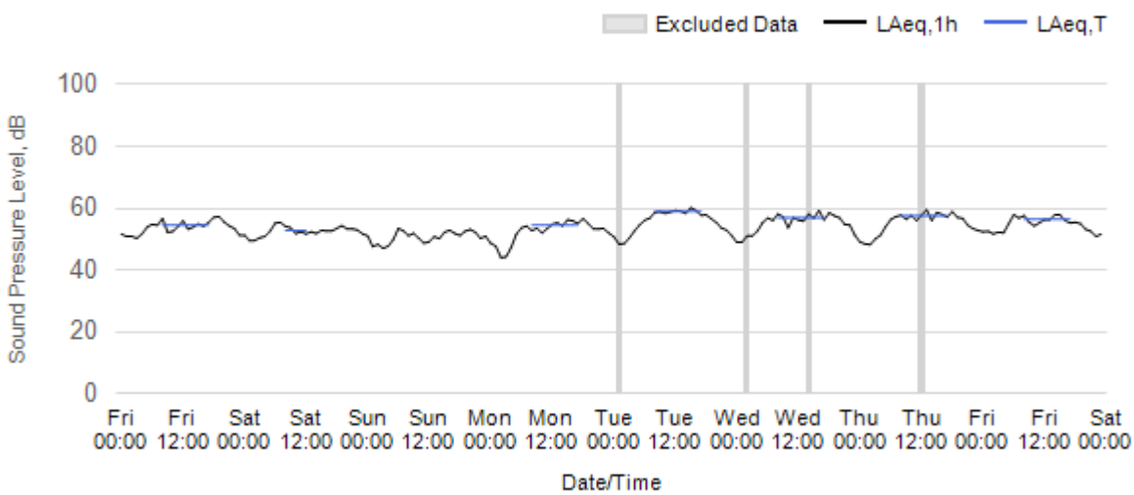
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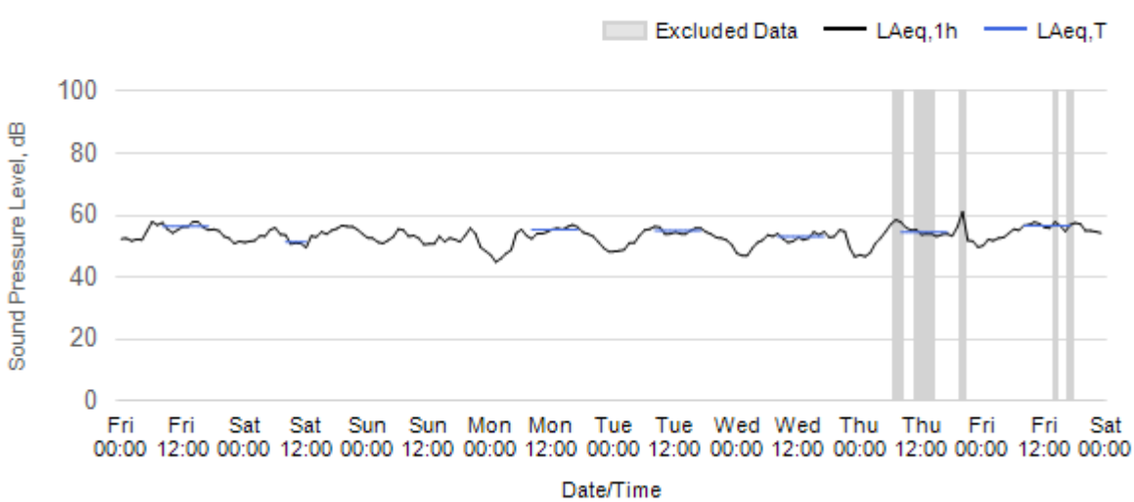
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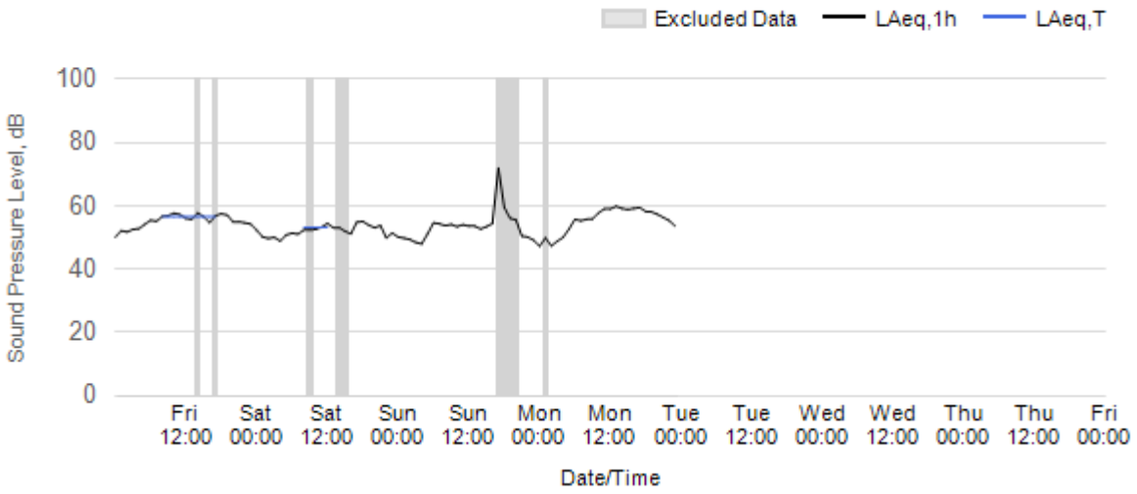
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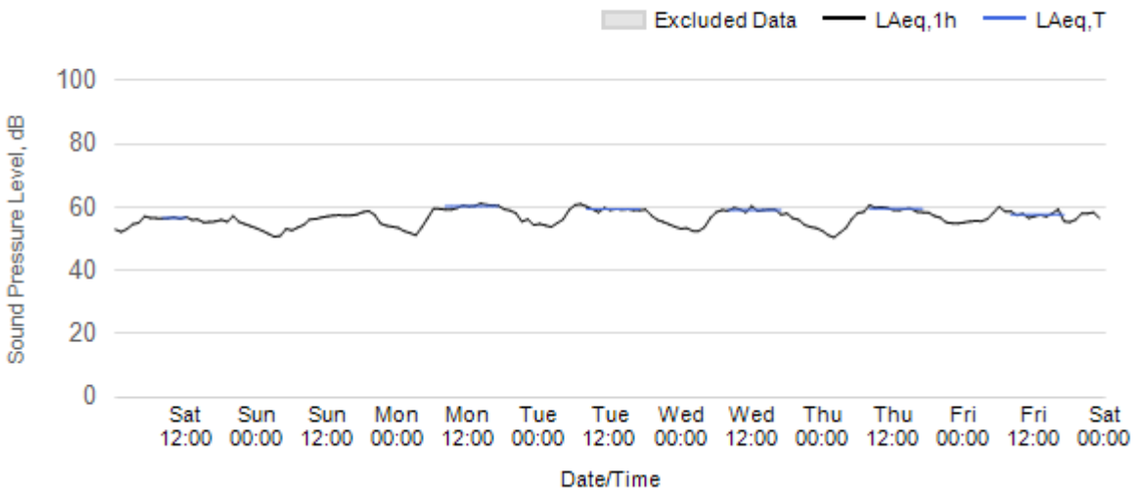


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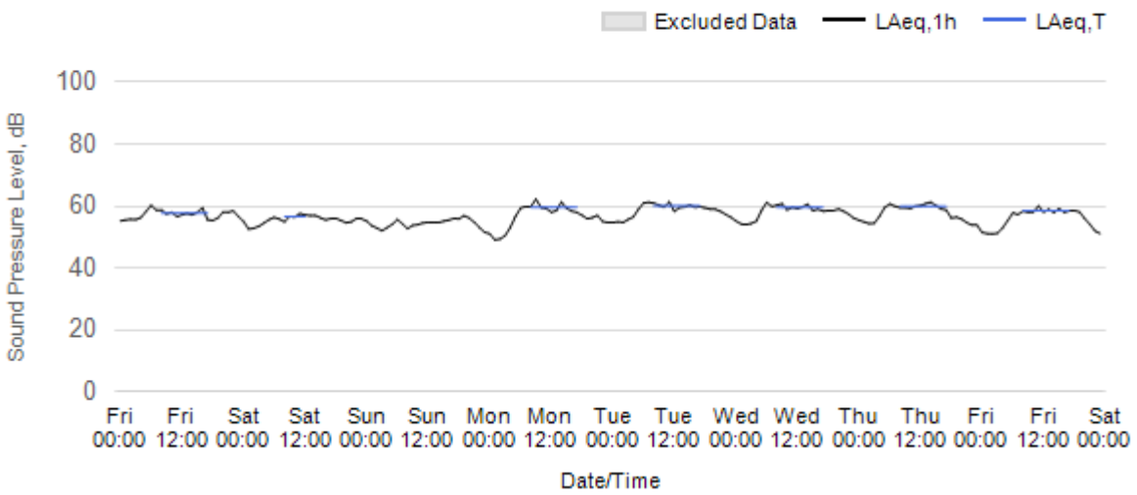


Worksite: BRD - Monitoring Ref: BRD-N2

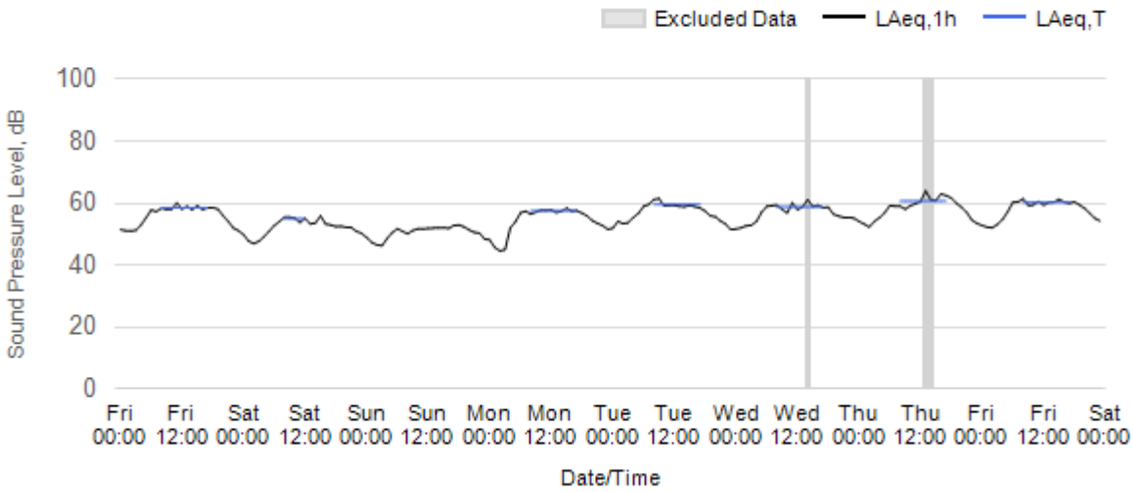
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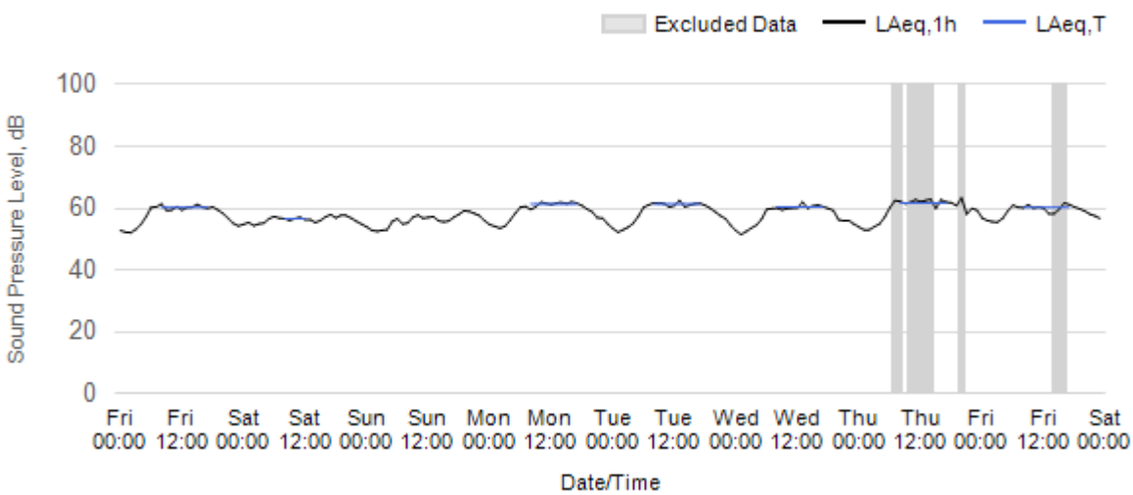
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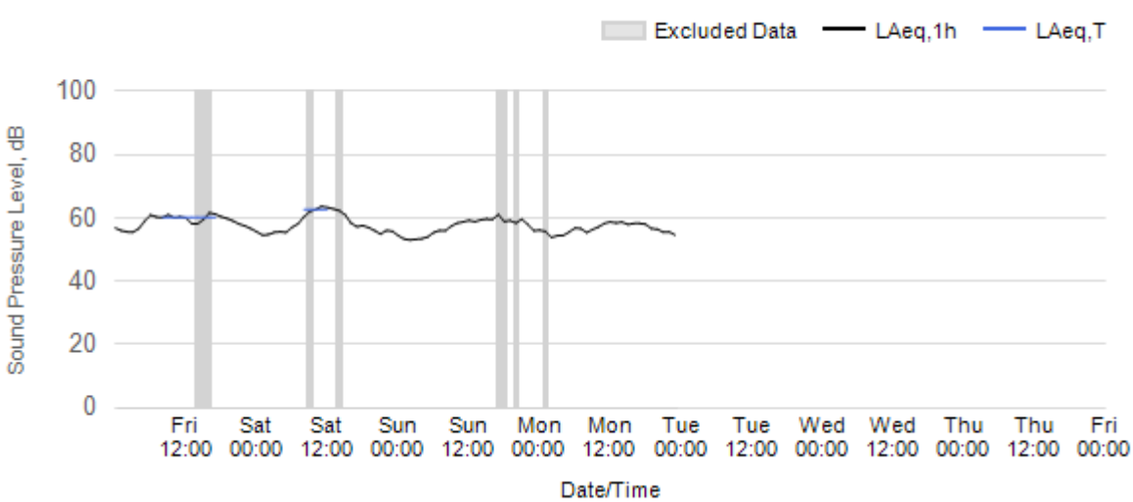
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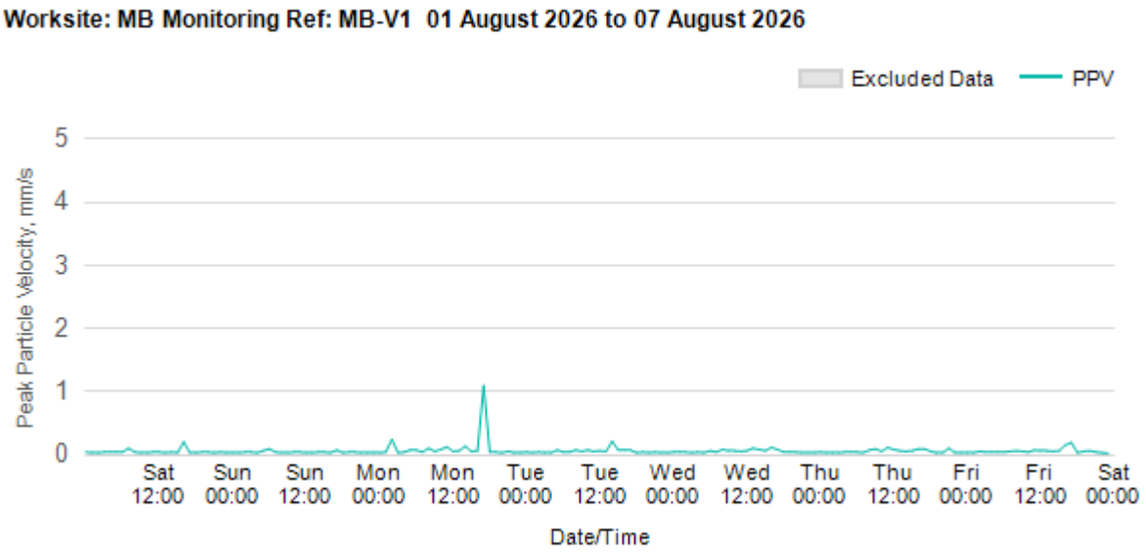
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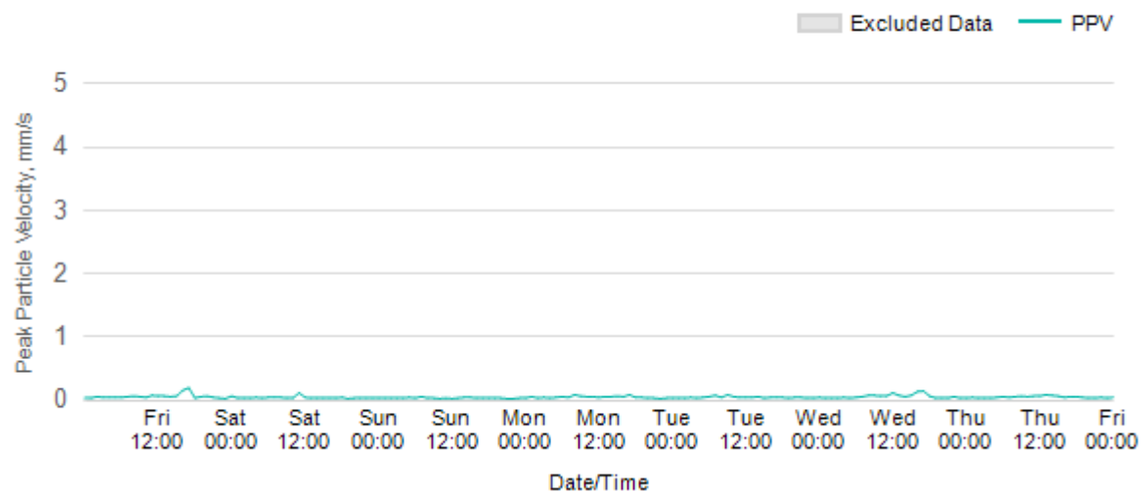


Vibration

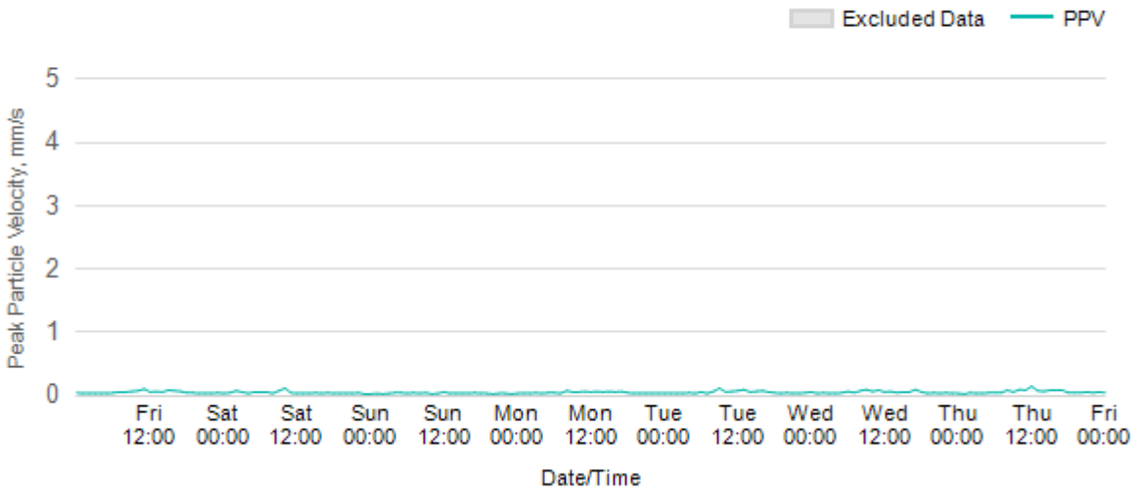
The following graphs show the hourly measured peak particle velocity PPV recorded during the monitoring period. The graphs show the resultant PPV due to vibration components on three orthogonal axis x, y and z. Where high values of PPV were caused by local interference with the vibration monitor, which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

Worksite: MB - Monitoring Ref: MB-V1

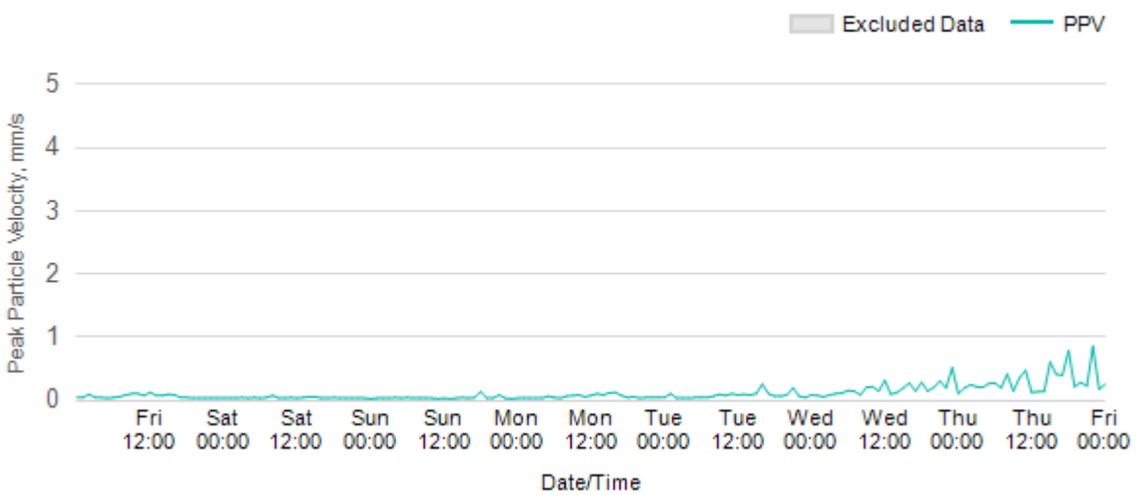




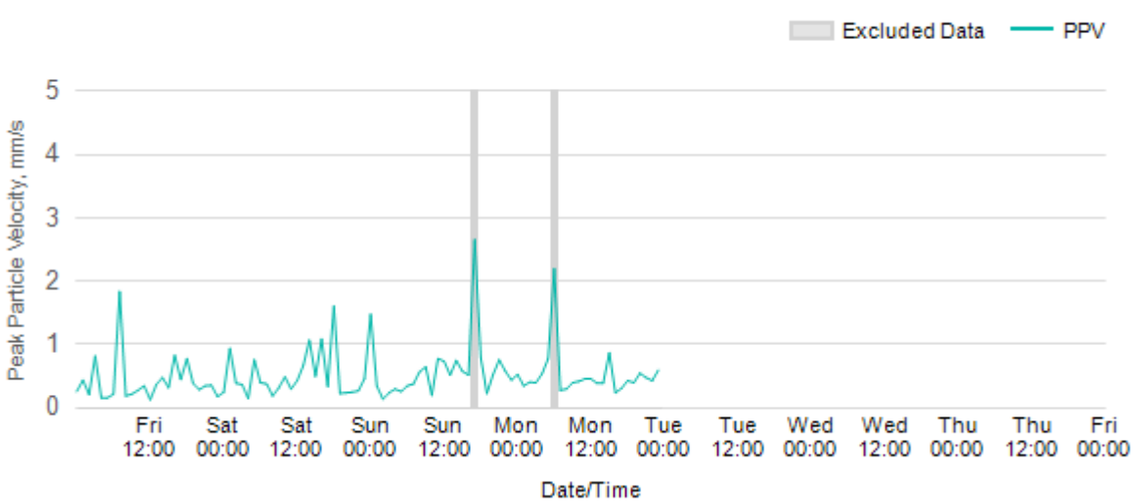
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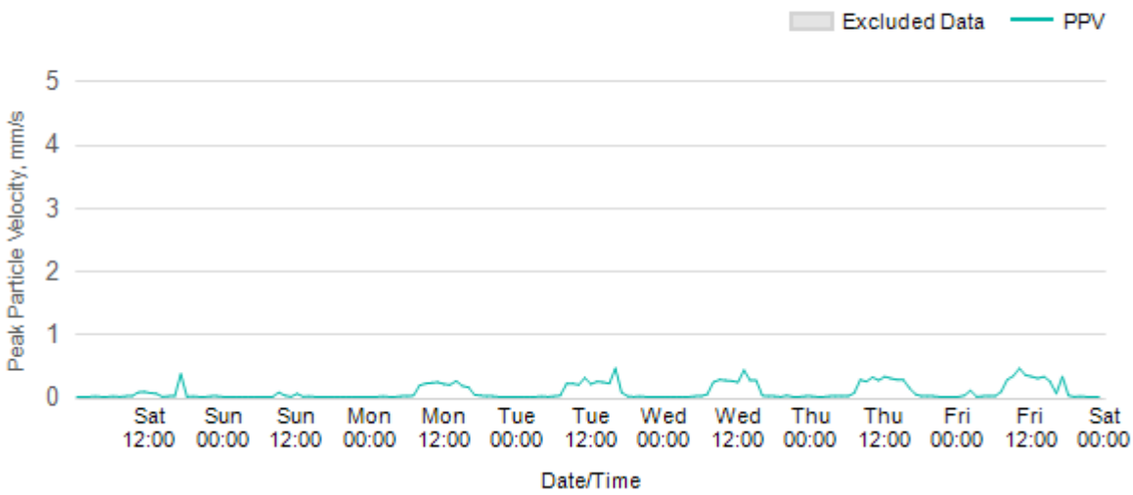


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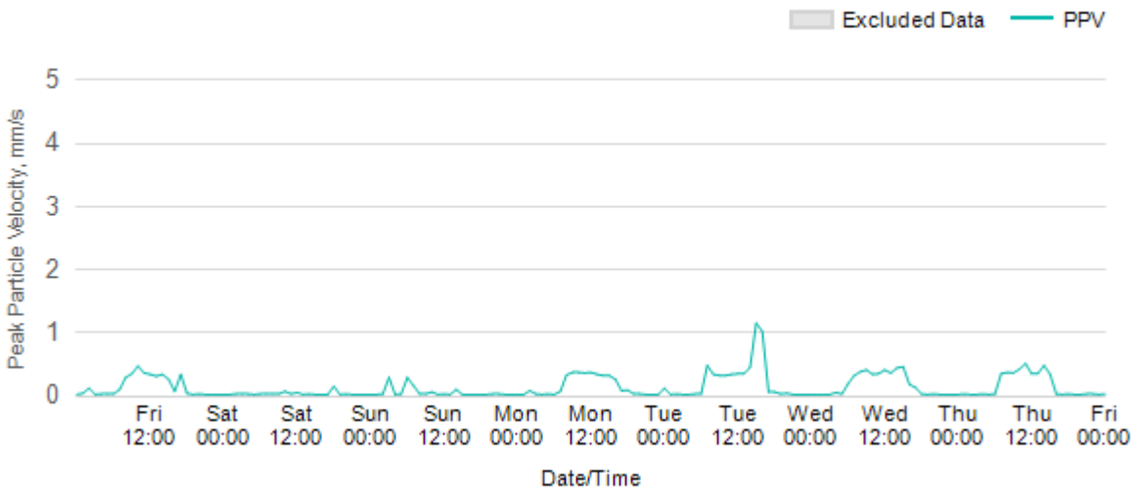


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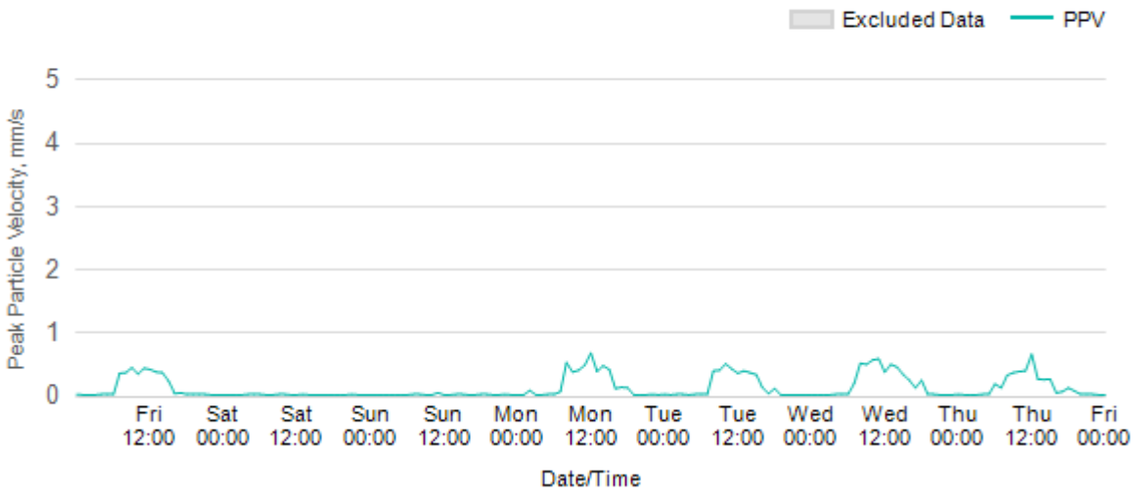
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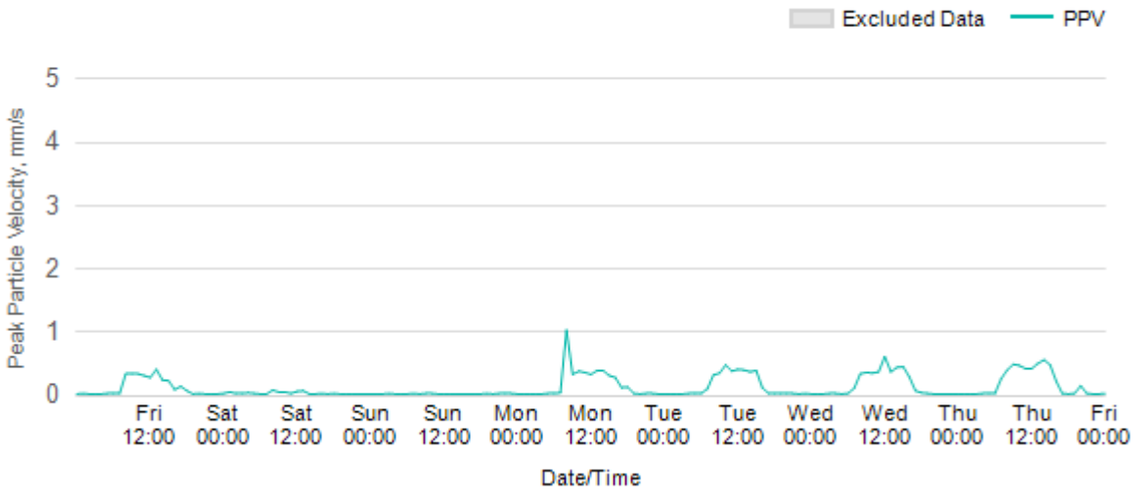
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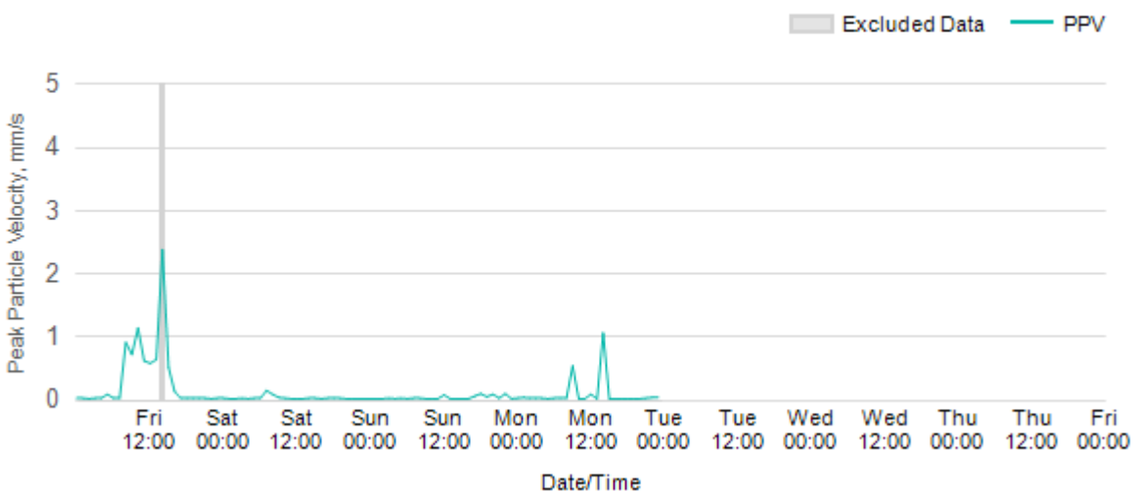
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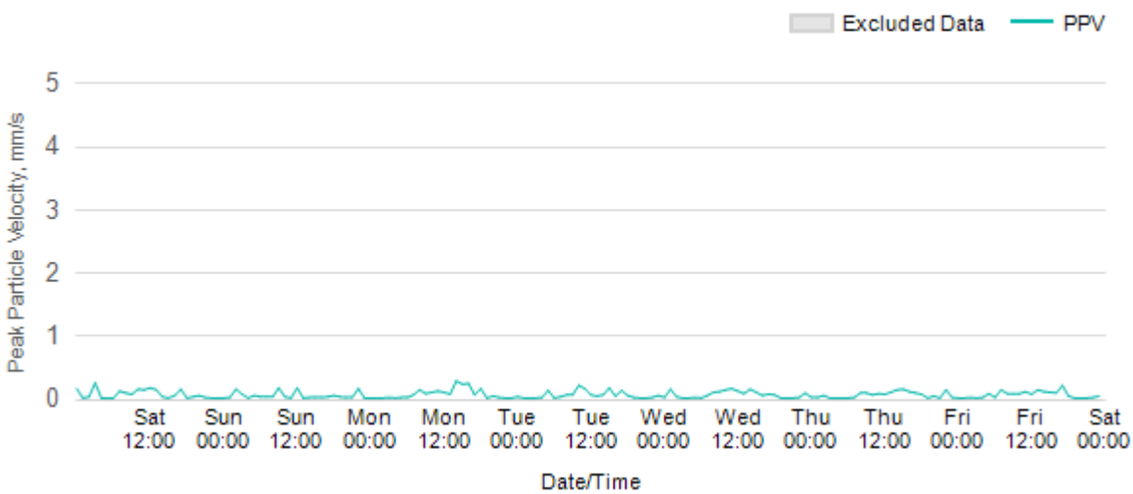


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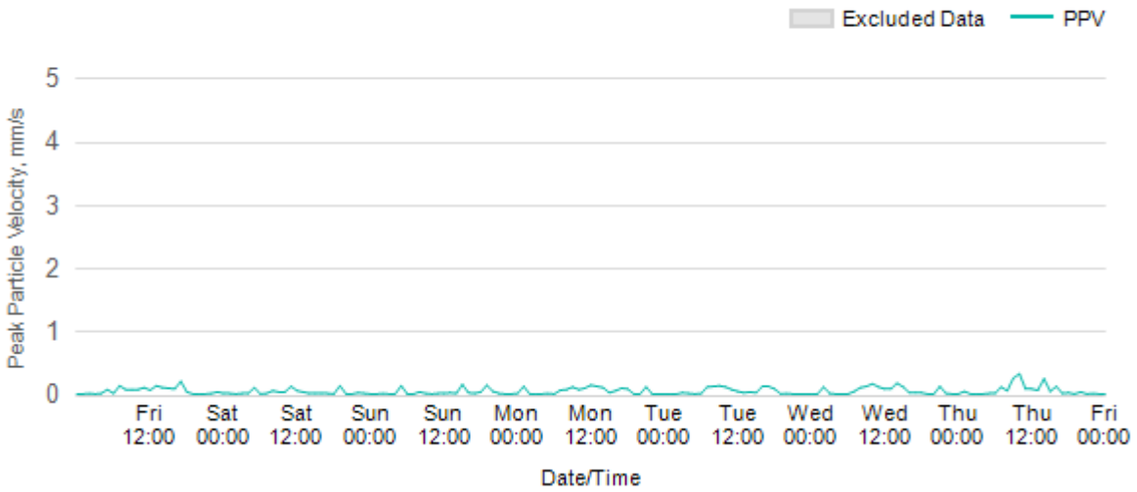


Worksite: ALO - Monitoring Ref: ALO-V1

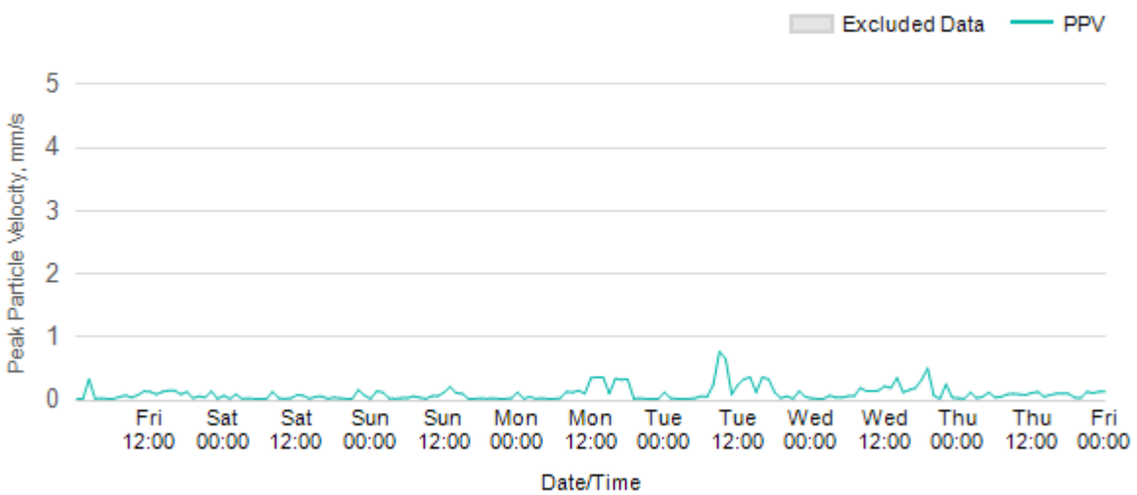
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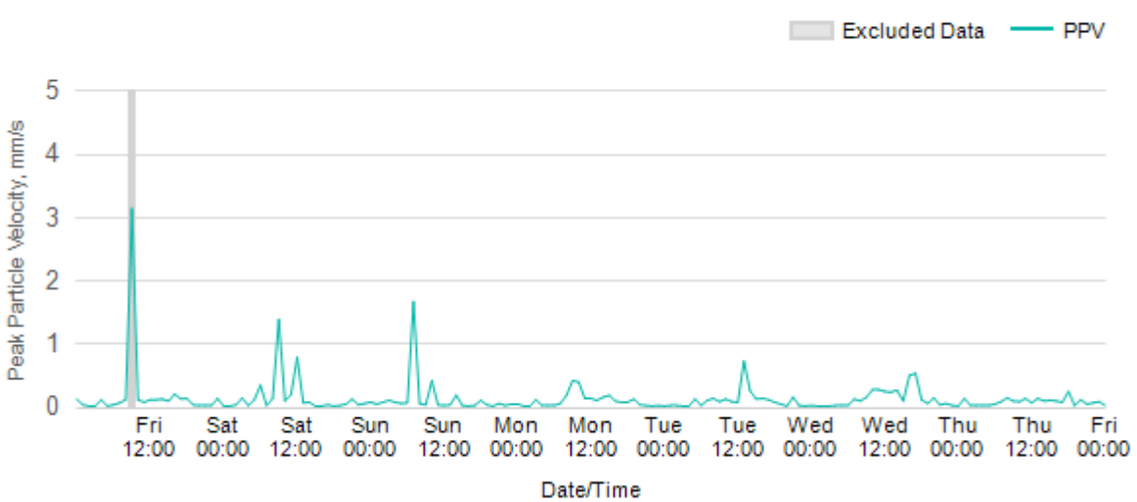
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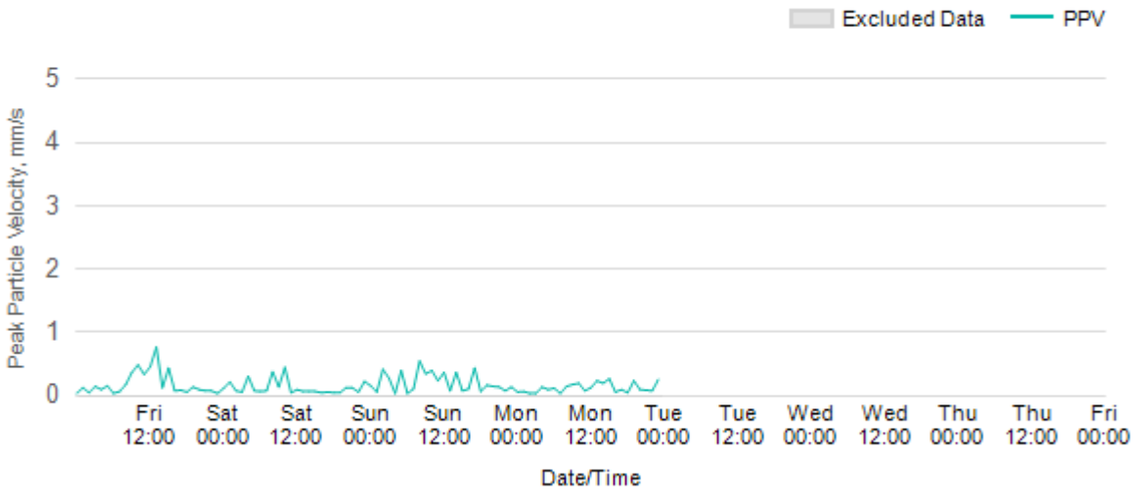
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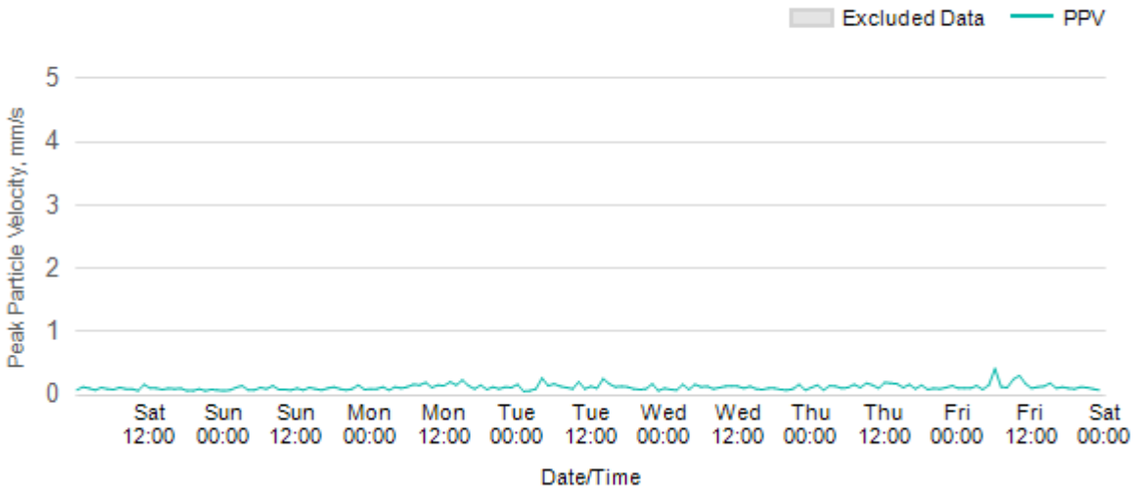


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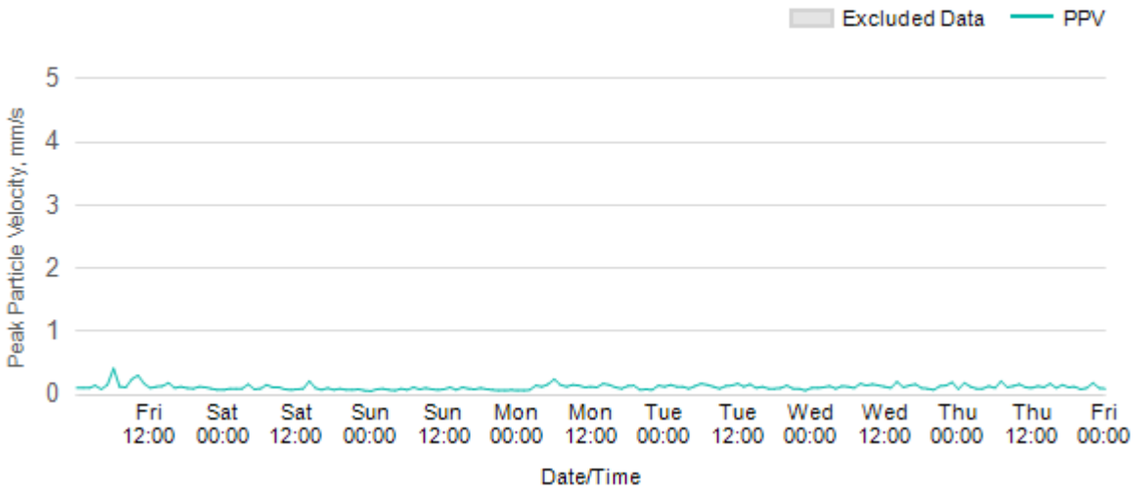


Worksite: BRD - Monitoring Ref: BRD-V1

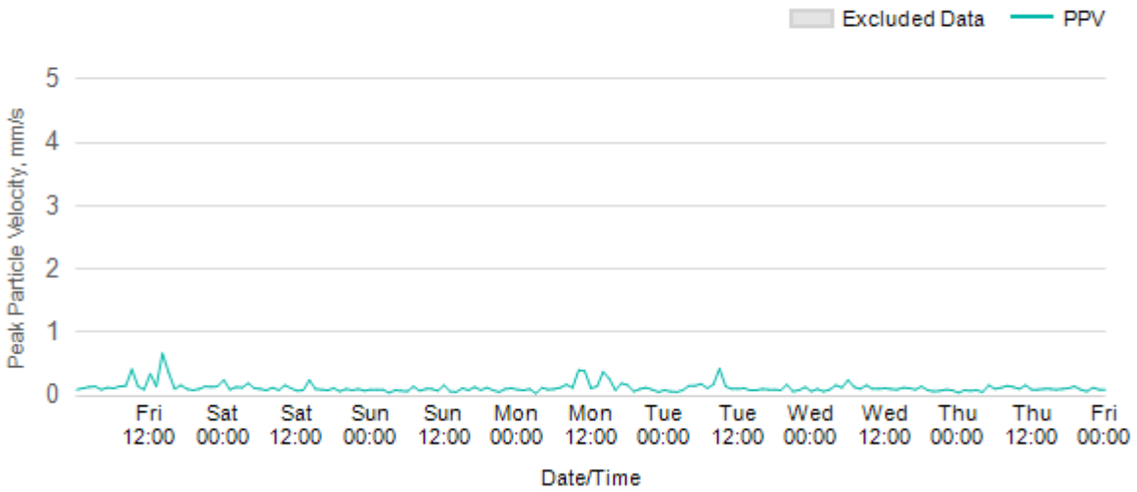
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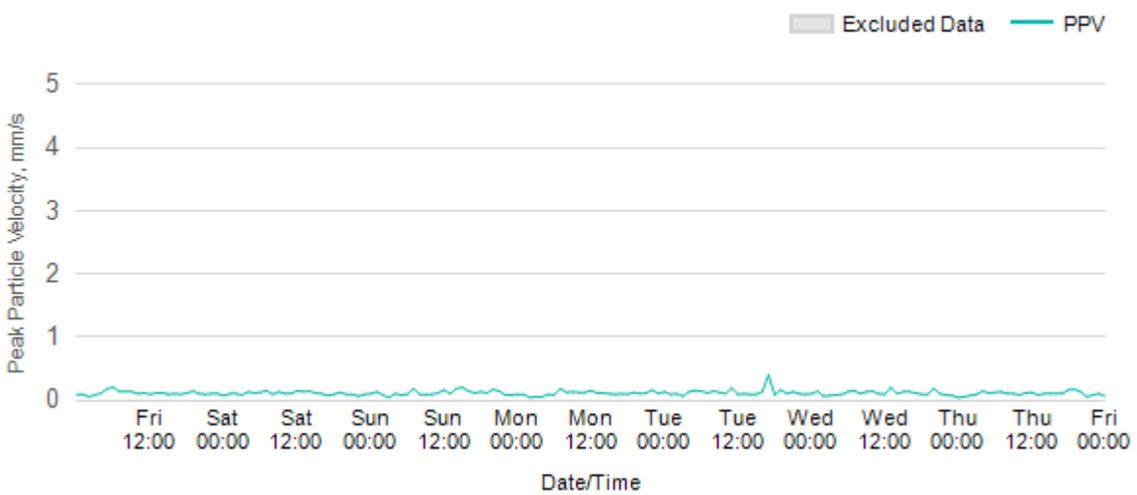
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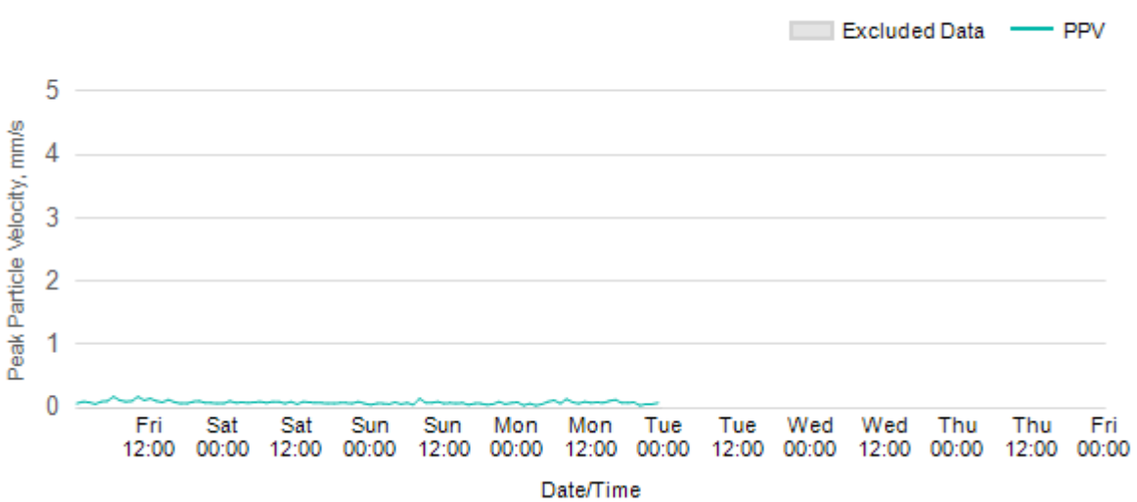
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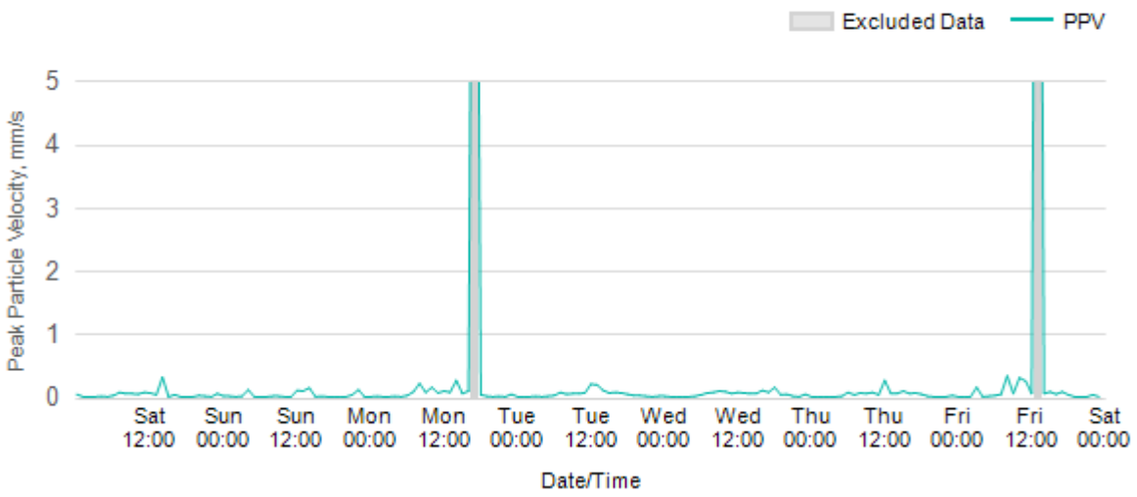


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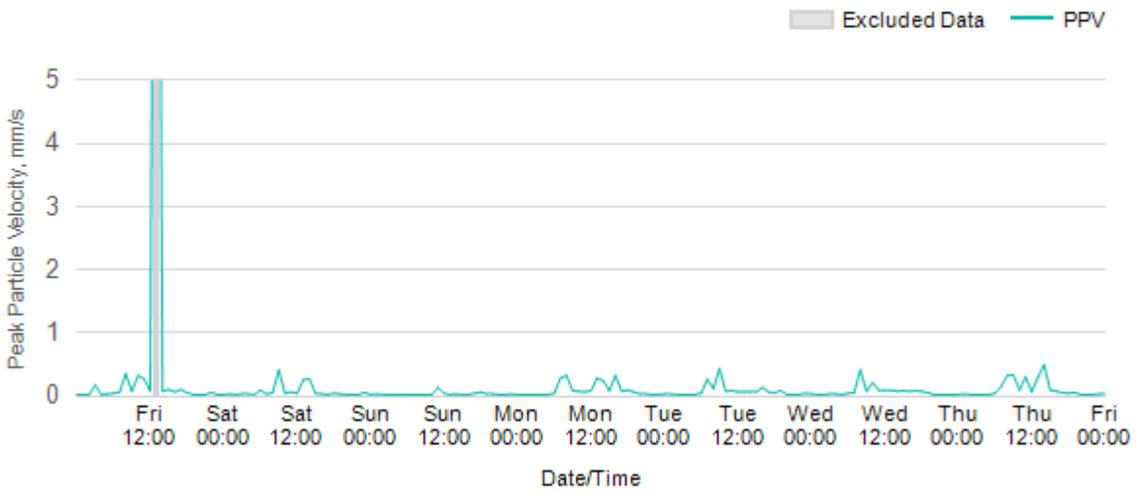


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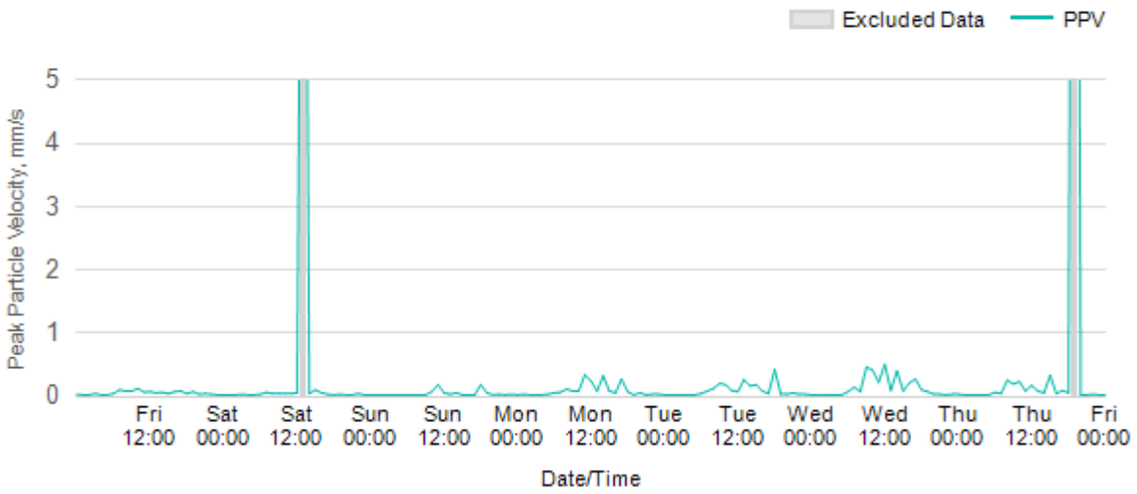
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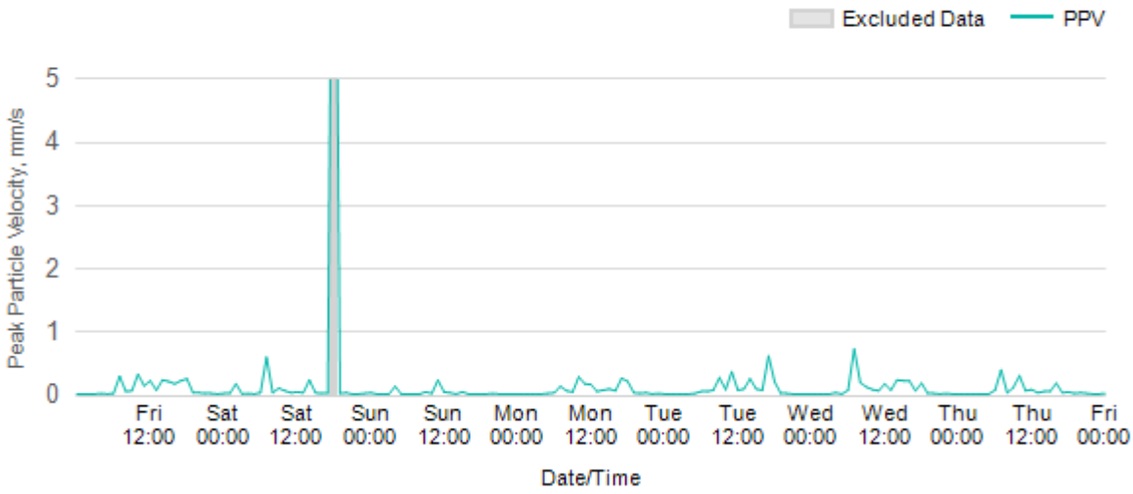
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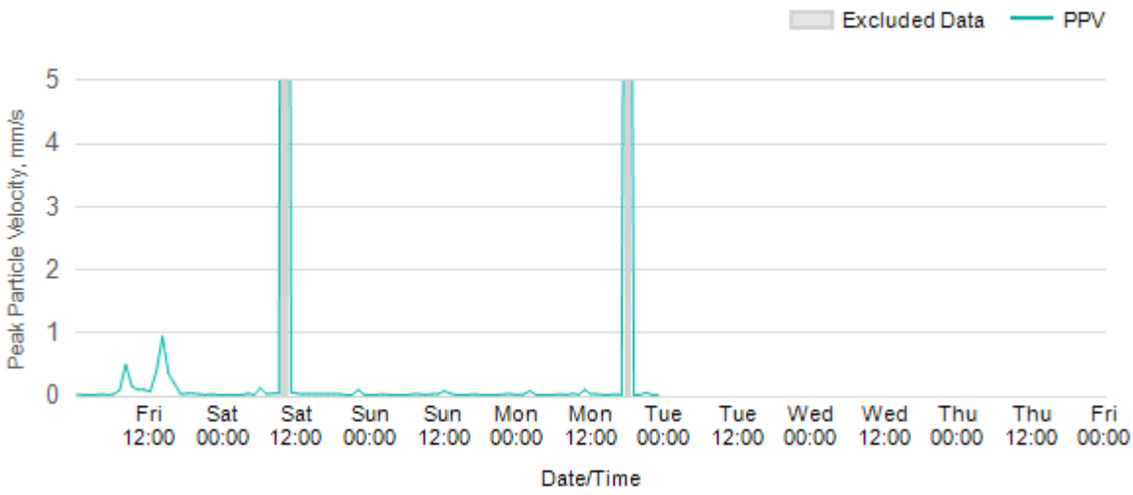
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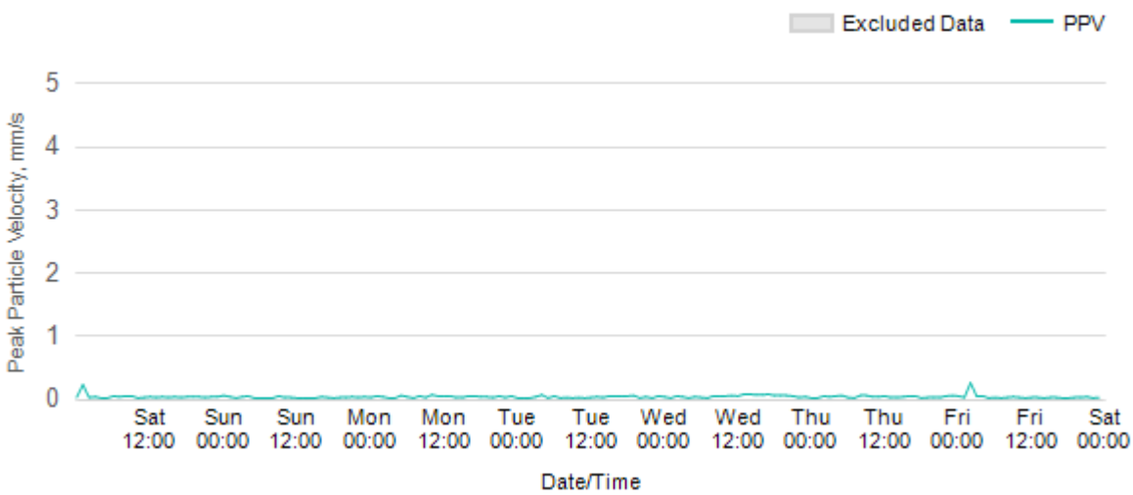


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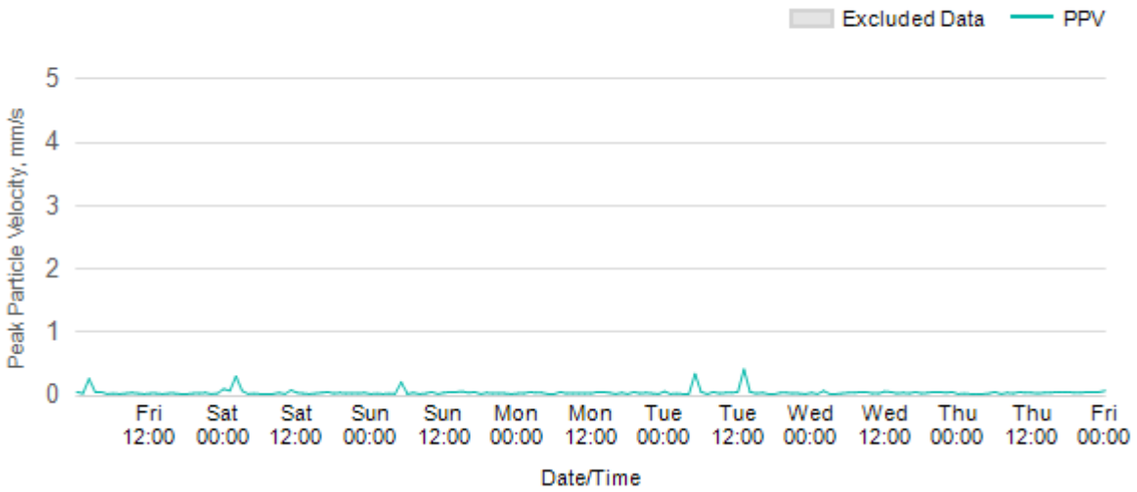


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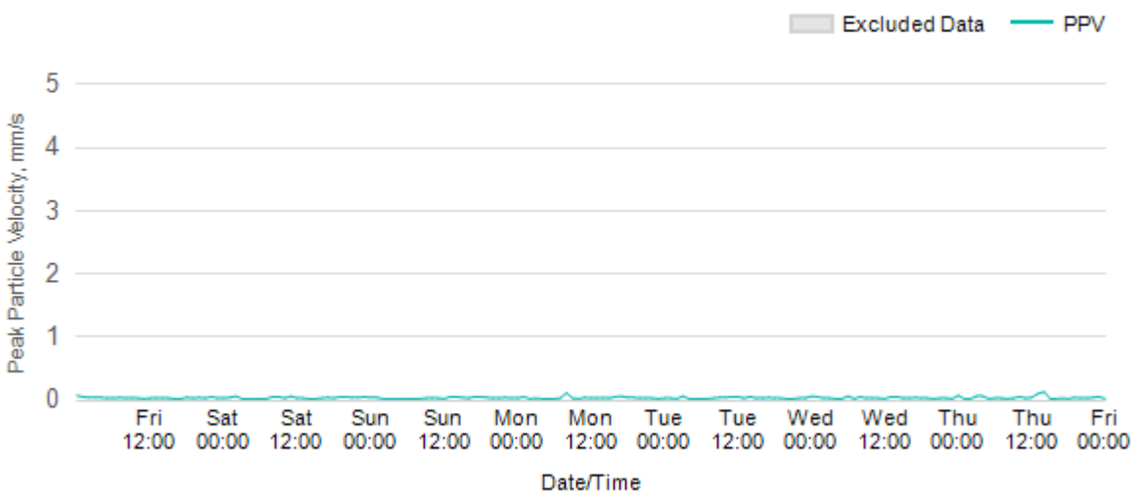
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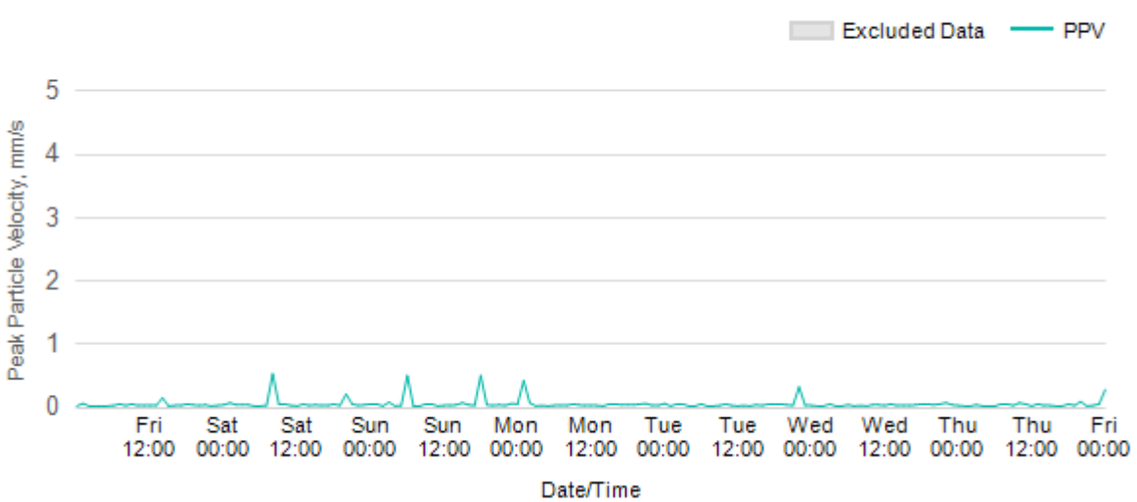
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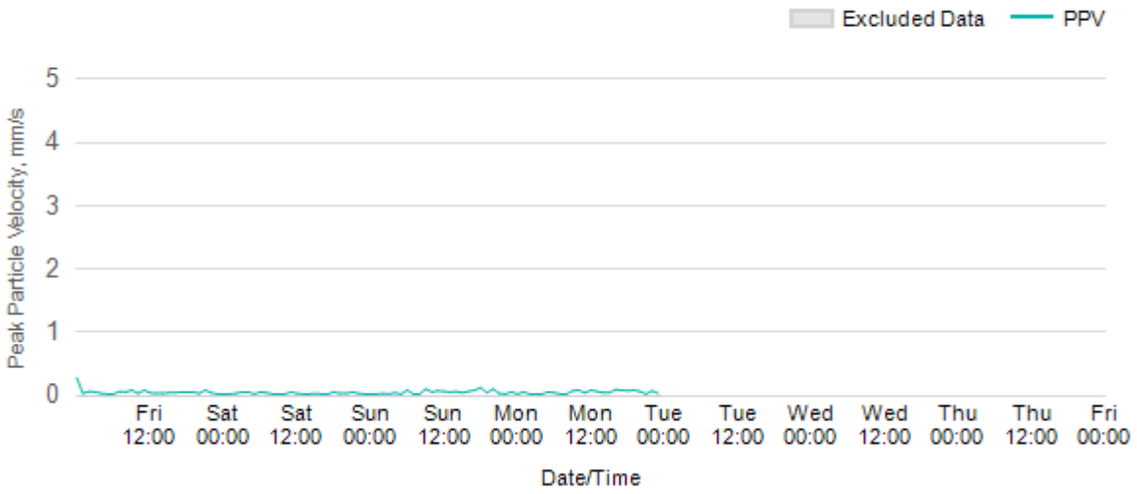
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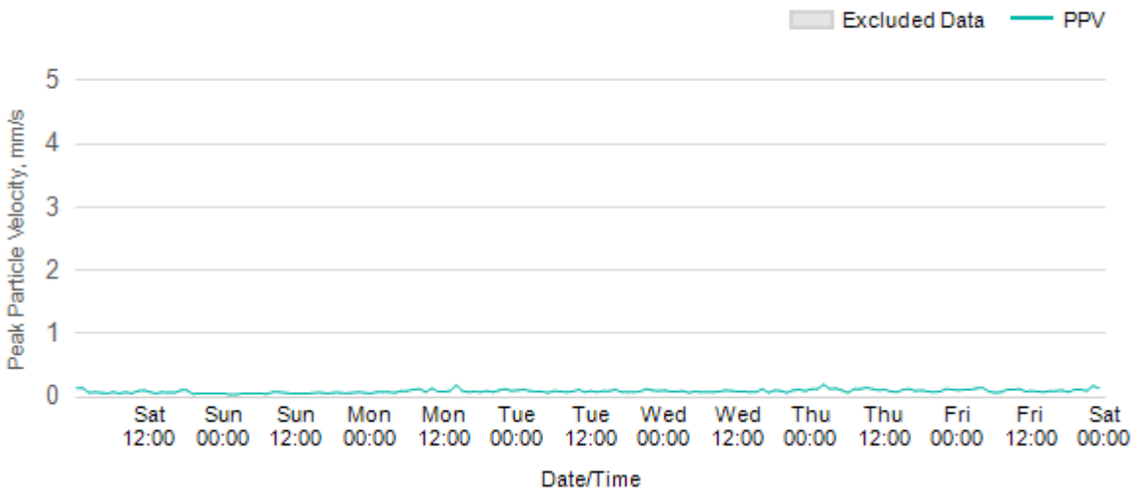


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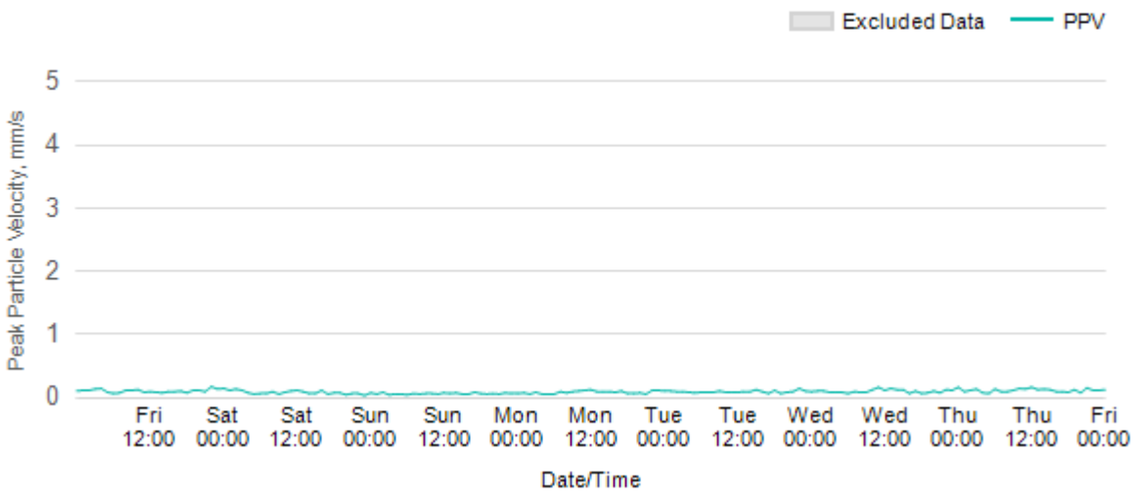


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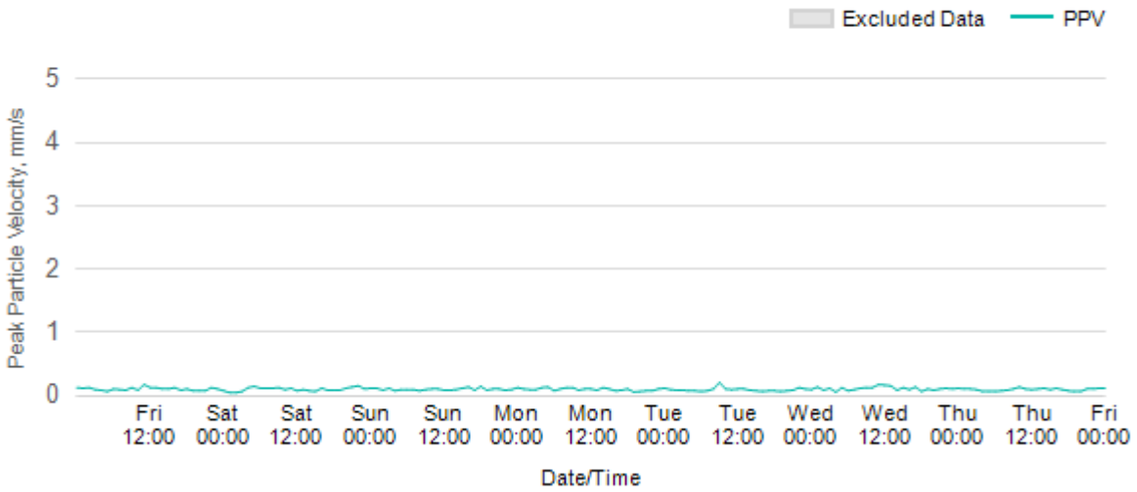
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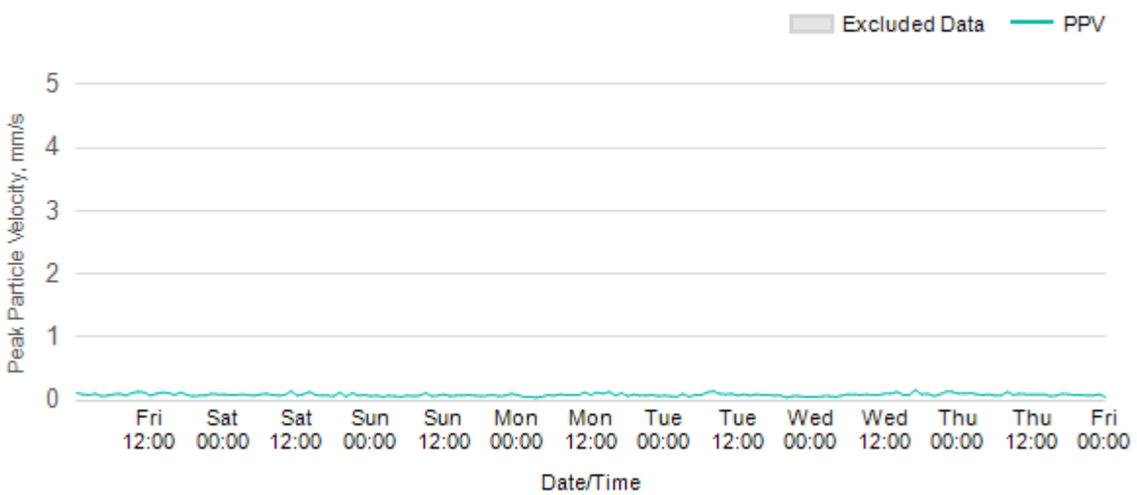
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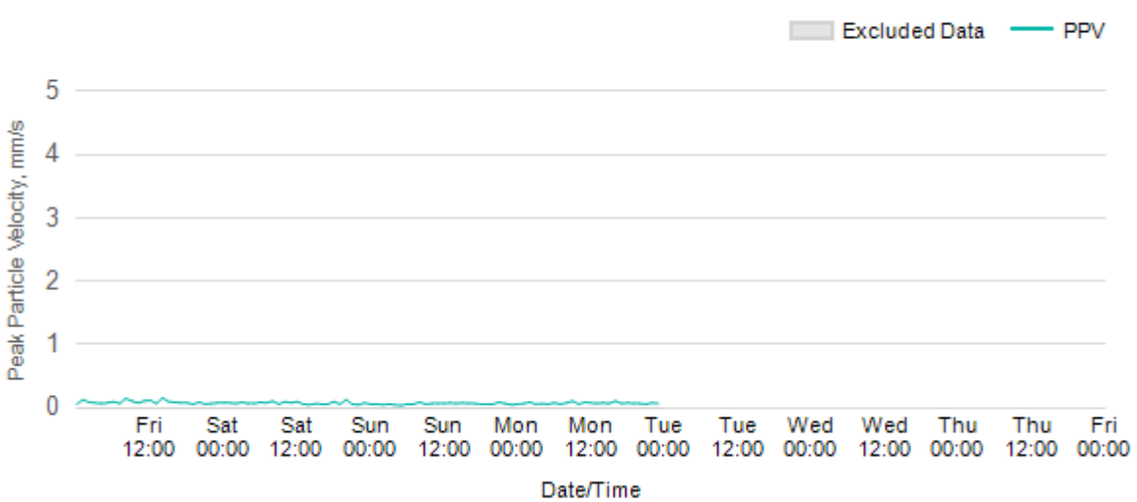
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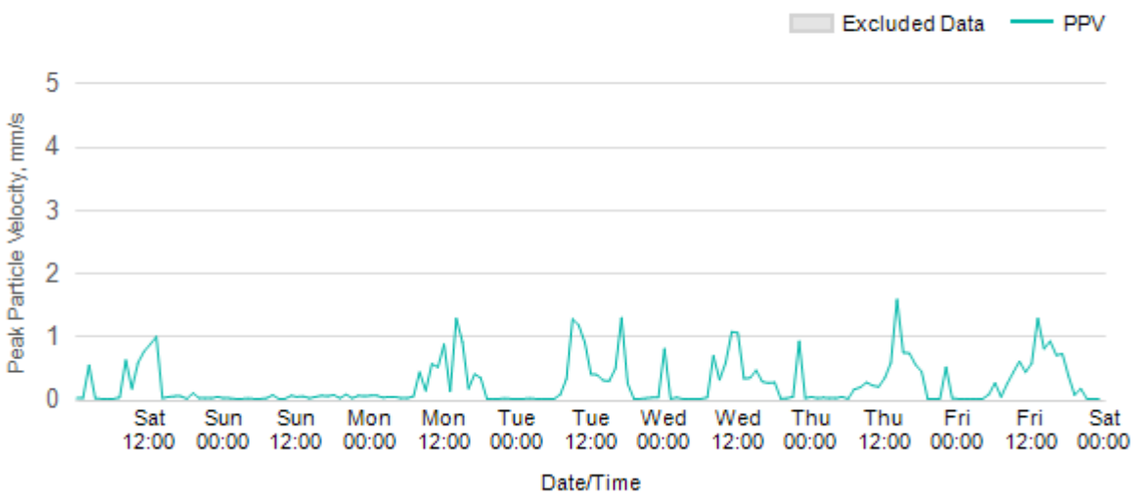


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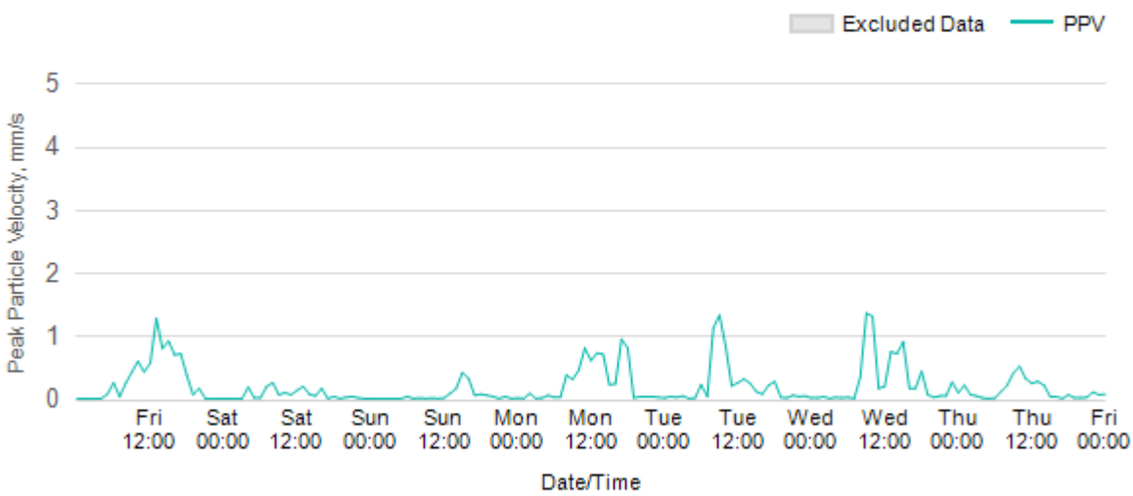


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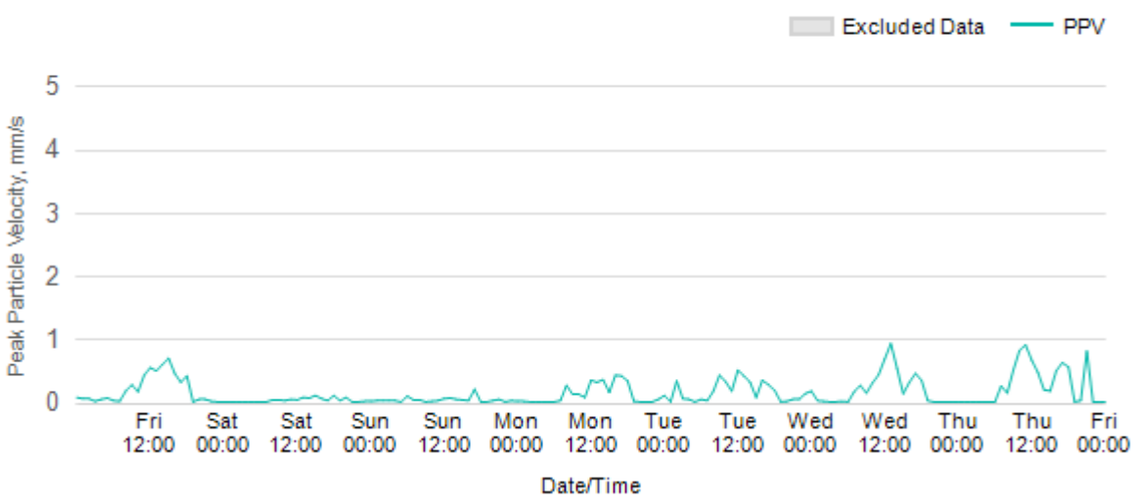
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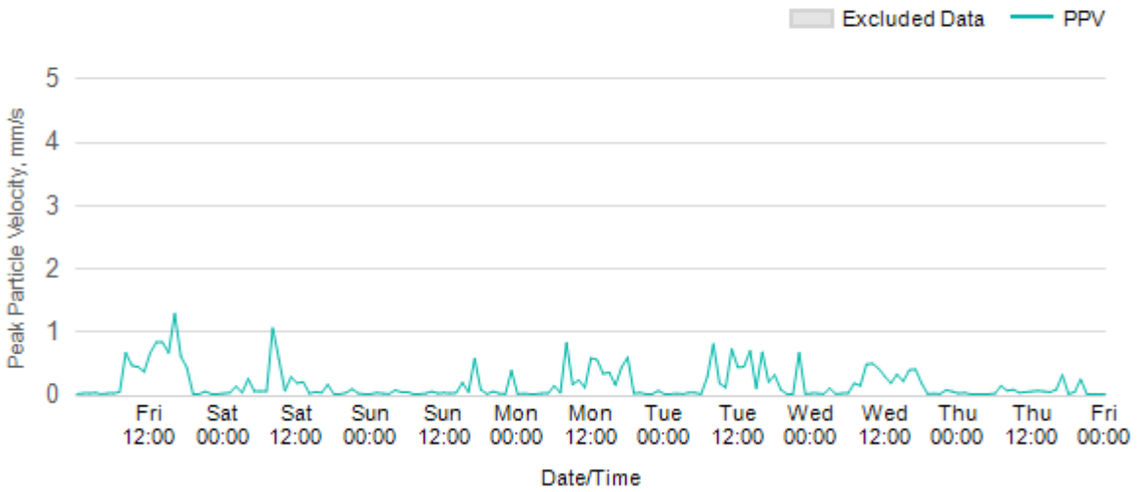
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Worksite: ALO Monitoring Ref: ALO-V5 29 August 2026 to 4 September 2026

