HS2

August 2026

Construction noise and vibration Monthly Report – August 2026

Warwick District 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 Warwick District Council during the month of August 2026.

Within this period monitoring was undertaken at the following worksites:

- A46 Compound and Dalehouse Lane worksite (ref.: A46C & DHL) where earthworks, piers and abutment works, concrete pour for wing walls, footpath resurfacing, steel fixing and drainage works were underway.
- Burton Green Tunnel Southern Portal worksite (ref.: BSP) where permanent landscape fill works, concrete pours, steel works and backfilling works were underway.
- Stoneleigh Park worksite (ref.: SP) where the Stoneleigh Park road realignment works were underway.
- Burton Green Tunnel worksite (ref.: BGT) where highways drainage and foul sewer works, backfill and reinstatement activities were underway.
- Offchurch Cutting worksite (ref.: OC) where earthwork activities, access track construction, drainage works, concrete pours, and resoiling works were underway.
- Cubbington Road worksite (ref.: C) where landscaping, backfill works, earthwork activities, drainage works and de-vegetation maintenance activites were undertaken.
- A429 Kenilworth Road Overbridge worksite (ref.: A429) where pumping station construction works, platform construction, earthworks - dig and replace works, piling, A429 drainage works, and A429 roadhead crushing works were underway.
- Bockenden Cutting worksite (ref.: BC), where no 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 six (6) time 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.

Six 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 Warwick District Council (WDC) area for the period 1-31 August 2026.

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

- Burton Green Tunnel worksite ref.: BGT (See plan 1 in Appendix A), where work activities included:
    - Backfill and reinstatement works.
    - Highway drainage and foul sewer works
- Offchurch Cutting worksite ref.: OC (See plan 5 in Appendix A), where work activities included:
    - Earthwork activities
    - Access track construction
    - Drainage works
    - Concrete pours
    - Resoiling works
- Burton Green Tunnel Southern Portal worksite ref.: BSP (See plan 1 in Appendix A), where work activities included:
    - Permanent landscape fill works.
    - Concrete pours
    - Steel works
    - Backfilling works
- Stoneleigh Park worksite ref.: SP (See plan 3 in Appendix A), where work activities included:
    - Stoneleigh Park road realignment
- A46 Compound and Dalehouse Lane worksite ref.: A46C & DHL (See plan 3 in Appendix A), where work activities included:
    - Earthworks
    - Piers and abutment works
    - Concrete pour for wing walls
    - Footpath resurfacing

    - Steel fixing
    - Drainage works
- A429 Kenilworth Road Overbridge worksite ref.: A429 (See plan 2 in Appendix A), where work activities included:
    - Pumping station construction works
    - Platform construction
    - Earthworks - dig and replace works
    - Piling
    - A429 drainage works
    - A429 roadhead crushing works
- Cubbington Road worksite ref.: C (See plan 4 in Appendix A), where work activities included:
    - Landscaping
    - Backfill works
    - Earthworks activities
    - Drainage works
    - De-vegetation maintenance
- Bockenden Cutting worksite (ref.: BC, see plan 1 in Appendix A), where no works were undertaken

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 18 noise and 6 vibration monitoring installations were active in August in the Warwick District Council area. Tables 2a and 2b summarise the position of noise and vibration monitoring installations within the Warwick District 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
A429	A429-N1	Millburn Grange, Coventry Road, Kenilworth
	A429-N2	Brookview, Milburn Grange, Coventry Road, Kenilworth
	A429-N3	16 Kenilworth Road, Kenilworth
A46C	A46C-N1	Four Winds, Dalehouse Lane, Kenilworth, Warwickshire
	A46C-N3	(south of) Kingswood Farmhouse, Dalehouse Lane, Kenilworth
BC	BC-N1	Thistle Estate, Red Lane, Burton Green
BGT	BGT-N5	Thistle Estate, Red Lane, Burton Green
	BGT-N8	Thistle Estate, Red Lane, Burton Green
BSP	BSP-N1	(north-east of) Broadwell Woods Caravan Park, Red Ln, Burton Green

C	C-N1	Wychwood, Rugby Road, Cubbington, Leamington Spa
	C-N2	(East of) Heathfield, Leicester Lane, Cubbington,
DHL	DHL-N1	(norht west of) Four Winds, Dalehouse Lane, Kenilworth, Warwick, Warwickshire, England, CV8 2JZ
OC	FOS-N1	(East of) Landsdowne House, Offchurch, Warwick, Warwickshire
	OC-N2	(south east of) Valley Fields, Hunningham Road, Offchurch
	OC-N7	Welsh Road Farm, Welsh Road, Offchurch
	OC-N9	Welsh Road Farm, Welsh Road, Offchurch
SP	SP-N1	(north-west of) East Lodge, Stoneleigh Park, Kenilworth
	SP-N2	4th Street, Stoneleigh Park, Kenilworth

Table 2b: Vibration Monitoring Locations

Worksite Reference	Measurement Reference	Address
A46C	A46C-V1	(south of) Kingswood Farmhouse, Dalehouse Lane, Kenilworth,
BGT	BGT-V11	301 Cromwell Ln, Burton Green, Kenilworth
	BGT-V3	Alms House, Cromwell Lane, Burton Green, Warwick
C	C-V1	Wychwood, Rugby Road, Cubbington, Leamington Spa
OC	FOS-V1	(East of) Landsdowne House, Offchurch, Warwick
SP	SP-V1	(north-of) East Lodge, Stoneleigh Park, Kenilworth

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
BSP	BSP-N1	(north-east of) Broadwell Woods Caravan Park, Red Ln, Burton Green,	Free-field	44.5 (50.7)	55.2 (58.3)	44.6 (52.6)	42.6 (51.2)	39.0 (68.6)	44.6 (47.1)	52.5 (53.5)	41.9 (42.8)	41.1 (51.6)	37.0 (42.5)	41.3 (46.5)	37.4 (42.6)
DHL	DHL-N1	(norht west of) Four Winds, Dalehouse Lane, Kenilworth,	Free-field	52.3 (55.7)	56.5 (60.5)	47.8 (51.6)	44.7 (50.4)	43.8 (52.7)	52.1 (53.9)	57.4 (61.8)	59.1 (64.6)	46.5 (59.4)	40.4 (45.4)	46.0 (63.1)	45.2 (63.1)
A429	A429-N1	Millburn Grange, Coventry Road, Kenilworth	Free-field	49.0 (55.7)	52.9 (63.0)	51.8 (53.4)	52.2 (86.5)	48.3 (54.9)	48.5 (49.2)	49.6 (50.5)	49.6 (50.2)	48.1 (50.6)	39.8 (47.5)	48.2 (54.2)	44.5 (51.5)
	A429-N2	Brookview, Milburn Grange, Coventry Road, Kenilworth	Free-field	48.6 (50.9)	53.3 (55.8)	50.1 (52.7)	48.2 (53.5)	45.3 (51.6)	47.6 (50.2)	51.9 (54.4)	47.8 (49.0)	46.9 (50.8)	40.8 (45.7)	47.2 (52.5)	43.1 (51.0)
	A429-N3	16 Kenilworth Road, Kenilworth	Free-field	58.6 (61.9)	60.3 (63.3)	58.0 (62.0)	57.0 (62.1)	51.3 (59.8)	55.0 (56.1)	58.0 (61.3)	57.2 (58.1)	57.8 (67.8)	51.0 (56.6)	56.3 (59.1)	50.9 (58.4)
A46C	A46C-N1	Four Winds, Dalehouse Lane, Kenilworth,	Free-field	59.2 (61.1)	60.2 (66.2)	58.2 (62.3)	56.9 (61.5)	54.8 (60.5)	57.2 (58.8)	58.2 (62.2)	56.5 (59.3)	55.0 (59.1)	51.2 (55.7)	56.0 (60.7)	53.5 (60.3)
	A46C-N3	(south of) Kingswood Farmhouse, Dalehouse Lane, Kenilworth	Free-field	55.2 (62.8)	60.2 (68.3)	51.7 (58.0)	51.1 (57.9)	49.6 (57.4)	56.3 (58.6)	59.1 (62.3)	59.0 (61.6)	48.5 (54.1)	45.8 (52.0)	49.7 (55.9)	47.2 (56.5)
BC	BC-N1	Thistle Estate, Red Lane, Burton Green	Free-field	44.5 (47.8)	52.5 (63.5)	41.1 (42.7)	38.4 (41.6)	40.8 (52.1)	48.1 (48.1)	41.6 (41.6)	39.9 (39.9)	37.7 (39.9)	32.8 (39.3)	40.7 (47.8)	35.0 (40.5)
BGT	BGT-N5	Alms House, Cromwell Lane, Burton Green,	Free-field	45.1 (53.2)	60.0 (67.1)	49.5 (70.6)	43.6 (68.4)	36.9 (47.9)	46.0 (47.1)	55.4 (61.9)	48.7 (54.9)	46.9 (62.1)	36.4 (44.3)	47.8 (67.5)	36.5 (44.7)
	BGT-N8	301 Cromwell Ln, Burton Green,	Free-field	55.3 (65.1)	62.5 (69.7)	45.1 (53.9)	41.8 (52.0)	36.5 (44.0)	42.2 (44.4)	50.2 (58.9)	46.5 (51.0)	43.1 (62.1)	36.4 (48.3)	44.4 (57.6)	37.2 (46.8)
C	C-N1	Wychwood, Rugby Road, Cubbington, Leamington Spa,	Free-field	50.1 (51.6)	51.7 (54.6)	51.0 (59.4)	49.2 (70.2)	42.4 (53.1)	47.7 (49.5)	51.7 (53.7)	52.1 (53.4)	49.5 (52.5)	41.9 (48.1)	50.3 (56.7)	41.4 (49.2)
	C-N2	(East of) Heathfield, Leicester Lane, Cubbington, Leamington Spa	Free-field	65.5 (68.7)	64.8 (66.2)	64.2 (68.5)	61.3 (64.7)	57.5 (64.9)	60.9 (61.5)	64.9 (66.2)	64.1 (65.8)	62.7 (66.9)	55.9 (62.2)	62.4 (68.5)	56.4 (64.4)
OC	FOS-N1	(south east of) Valley Fields, Hunningham Road, Offchurch	Free-field	45.0 (51.0)	50.4 (63.3)	43.4 (49.3)	41.7 (45.5)	39.1 (47.6)	44.4 (52.4)	46.3 (48.8)	47.9 (57.6)	42.6 (50.1)	37.3 (43.0)	43.9 (51.7)	38.1 (44.2)

	OC-N2	Brickyard Cottage, Welsh Road, Offchurch	Free-field	45.5 (52.3)	52.8 (60.9)	46.0 (52.5)	44.7 (57.2)	39.7 (48.7)	45.1 (46.1)	51.0 (53.8)	45.6 (48.3)	44.5 (49.0)	38.7 (45.6)	45.2 (52.5)	37.9 (44.2)
	OC-N7	(East of) Landsdowne House, Offchurch	Free-field	64.7 (66.5)	64.6 (69.2)	62.3 (63.6)	58.9 (65.8)	54.0 (62.8)	60.8 (62.0)	63.5 (65.0)	62.3 (64.6)	61.3 (65.8)	51.5 (58.3)	61.1 (66.0)	52.9 (62.6)
	OC-N9	Welsh Road Farm, Welsh Road, Offchurch	Free-field	55.4 (56.2)	54.9 (55.7)	53.6 (54.4)	49.7 (52.1)	45.1 (52.4)	50.7 (50.7)	55.3 (55.3)	()	52.0 (53.9)	45.0 (48.7)	51.8 (55.6)	44.2 (48.7)
SP	SP-N1	(north-west of) East Lodge, Stoneleigh Park, Kenilworth	Free-field	53.5 (61.1)	58.4 (67.2)	52.6 (63.0)	56.4 (69.4)	54.4 (72.1)	50.3 (52.1)	54.4 (57.5)	56.0 (57.2)	53.4 (63.9)	48.5 (57.4)	50.1 (61.1)	45.8 (54.0)
	SP-N2	4th Street, Stoneleigh Park, Kenilworth	Free-field	56.7 (61.9)	60.7 (64.8)	56.1 (62.2)	54.9 (62.6)	53.2 (63.1)	51.8 (56.9)	55.0 (56.8)	53.1 (58.1)	55.1 (59.7)	54.7 (60.3)	53.4 (66.0)	50.2 (58.0)

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
A46C	A46C-V1	(south of) Kingswood Farmhouse, Dalehouse Lane, Kenilworth	1.17 (Y-axis)
BGT	BGT-V11	301 Cromwell Ln, Burton Green, Kenilworth	9.38 (Z-axis)
	BGT-V3	Alms House, Cromwell Lane, Burton Green	2.89 (X-axis)
C	C-V1	Wychwood, Rugby Road, Cubbington, Leamington Spa	1.58 (Y-axis)
OC	FOS-V1	(East of) Landsdowne House, Offchurch	7.35 (Y-axis)
SP	SP-V1	(north-of) East Lodge, Stoneleigh Park, Kenilworth	2.29 (X-axis)

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

2.2 Exceedances of the LOAEL and SOAEL

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

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

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

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

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

Table 5: Summary of Exceedances of LOAEL and SOAEL

Worksite Reference	Measurement Reference	Site Address	Day (Weekday, Saturday, Sunday, Night)	Time period	Number of exceedances of LOAEL	Number of exceedances of SOAEL
A429	A429-N1	Millburn Grange, Coventry Road, Kenilworth	Weekday	0800 - 1800	1	No exceedances
	A429-N2	Brookview, Milburn Grange, Coventry Road, Kenilworth	All days	All periods	No exceedances	No exceedances
	A429-N3	16 Kenilworth Road, Kenilworth	All days	All periods	No exceedances	No exceedances
A46C	A46C-N1	Kingswood Farmhouse, Dalehouse Lane, Kenilworth	All days	All periods	No exceedances	No exceedances
	A46C-N3	Kingswood Farmhouse, Dalehouse Lane, Kenilworth	Weekday	0800 - 1800	1	No exceedances
BC	BC-N1	Thistle Estate, Red Lane, Burton Green	All days	All periods	No exceedances	No exceedances
BGT	BGT-N5	Alms House, Cromwell Lane, Burton Green, Warwick	Weekday	0800 - 1800	3	No exceedances
				1800 - 1900	3	1
				1900 - 2200	2	1
			Saturday	1400 - 2200	2	No exceedances

			Sunday	0700 - 2200	1	No exceedances
			Night	2200 - 0700	1	No exceedances
	BGT-N8	301 Cromwell Lane, Burton Green, Warwick	Weekday	0700 - 0800	6	No exceedances
				0800 - 1800	6	No exceedances
BSP	BSP-N1	Broadwell Woods Caravan Park	All days	All periods	No exceedances	No exceedances
C	C-N1	Wychwood, Rugby Road, Cubbington, Leamington Spa	Weekday	1900 - 2200	1	No exceedances
			Night	2200 - 0700	14	No exceedances
	C-N2	Heathfield, Leicester Lane, Cubbington, Leamington Spa	Weekday	0700 - 0800	2	No exceedances
				1800 - 1900	1	No exceedances
				1900 - 2200	4	No exceedances
DHL	DHL-N1	Four Winds, Dalehouse Lane, Kenilworth	Saturday	1300 - 1400	1	No exceedances
				1400 - 2200	2	No exceedances
			Sunday	0700 - 2200	1	No exceedances
			Night	2200 - 0700	21	1
OC	FOS-N1	Landsdowne House, Offchurch	Night	2200 - 0700	1	No exceedances
	OC-N2	Valley Fields, Hunningham Road, Offchurch, Leamington Spa	Weekday	1900 - 2200	3	No exceedances
	OC-N7	(East of) Landsdowne House, Offchurch	Weekday	0700 - 0800	19	No exceedances
				0800 - 1800	1	No exceedances
				1800 - 1900	13	No exceedances
				1900 - 2200	20	No exceedances
			Saturday	1300 - 1400	2	No exceedances
				1400 - 2200	5	No exceedances
			Sunday	0700 - 2200	6	No exceedances
			Night	2200 - 0700	31	No exceedances
	OC-N9	Welsh Road Farm, Welsh Road, Offchurch	Saturday	1400 - 2200	1	No exceedances
			Sunday	0700 - 2200	1	No exceedances
			Night	2200 - 0700	7	No exceedances
SP	SP-N1	north-west of) East Lodge, Stoneleigh Park, Kenilworth	Weekday	0700 - 0800	3	No exceedances
				0800 - 1800	5	No exceedances
				1800 - 1900	3	No exceedances
				1900 - 2200	15	3
			Saturday	1400 - 2200	4	No exceedances

			Sunday Night	0700 - 2200 2200 - 0700	2 29	No exceedances 4
	SP-N2	4th Street, Stoneleigh Park, Kenilworth	Weekday	0700 - 0800 0800 - 1800	6 5	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
BGT	BGT-N5	Alms House, Cromwell Lane, Burton Green, Warwick	1
DHL	DHL-N1	(norht west of) Four Winds, Dalehouse Lane, Kenilworth, Warwick	1
SP	SP-N1	(north-west of) East Lodge, Stoneleigh Park, Kenilworth	4

2.3 Exceedances of Trigger Level

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

Table 7: Summary of Exceedances of Trigger Levels

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

2.4 Complaints

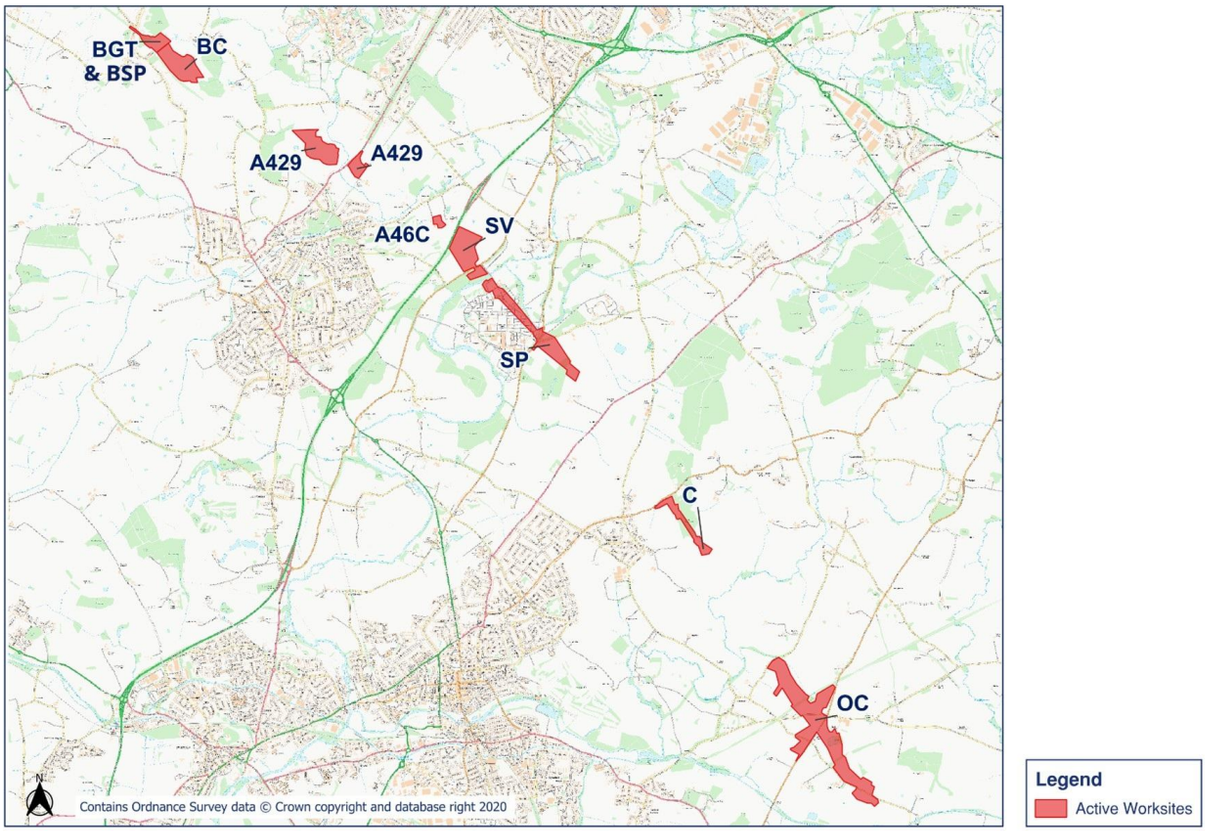
2.4.1 Table 8 provides a summary of complaint information related to noise and vibration received during the reporting period, monitor along with the findings of any investigation.

Table 8: Summary of Complaints

Complaint Reference Number	Worksite Reference	Description of Complaint	Results of Investigation	Actions Taken
HS2-26-136476-E-C & HS2-26-136705-E		Noise and Vibration from Construction	Investigation initiated and found that works were ongoing in accordance with the issued consent. Noise monitoring checked and no exceedances recorded.	Investigation is ongoing.
HS2-26-136475-E-C & HS2-26-136634-E-C & HS2-26-136705-E		Complaint regarding noise at night	Investigation initiated and found that works were ongoing in accordance with the issued consent. Noise monitoring checked and no exceedances recorded.	Stakeholder informed of the results of investigation
HS2-26-136628-E-C		Noise and Vibration from Construction	Investigation initiated and found HS2 works are ongoing, review of BPM undertaken. Noise levels checked and within consented levels	Stakeholder informed of the results of investigation

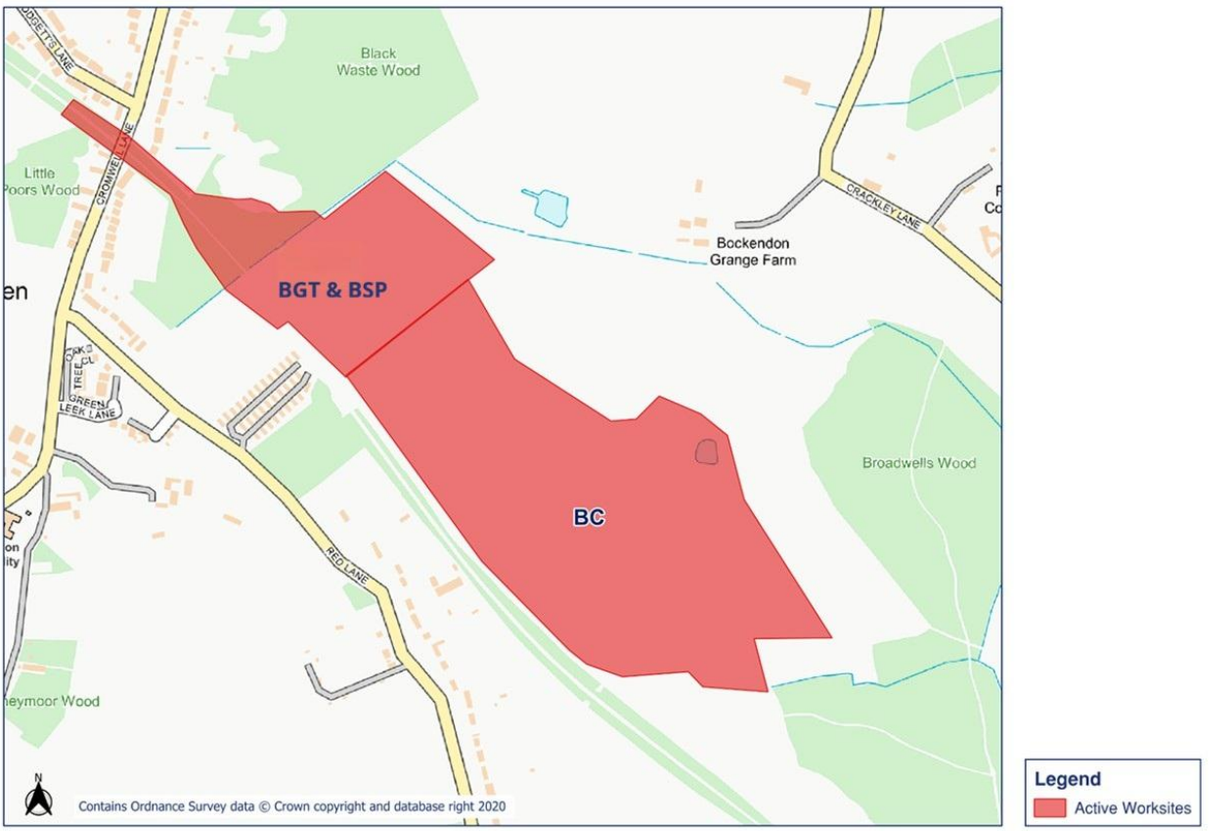
Appendix A Site Locations

HS2 **Worksite Identification Plan - Overview**

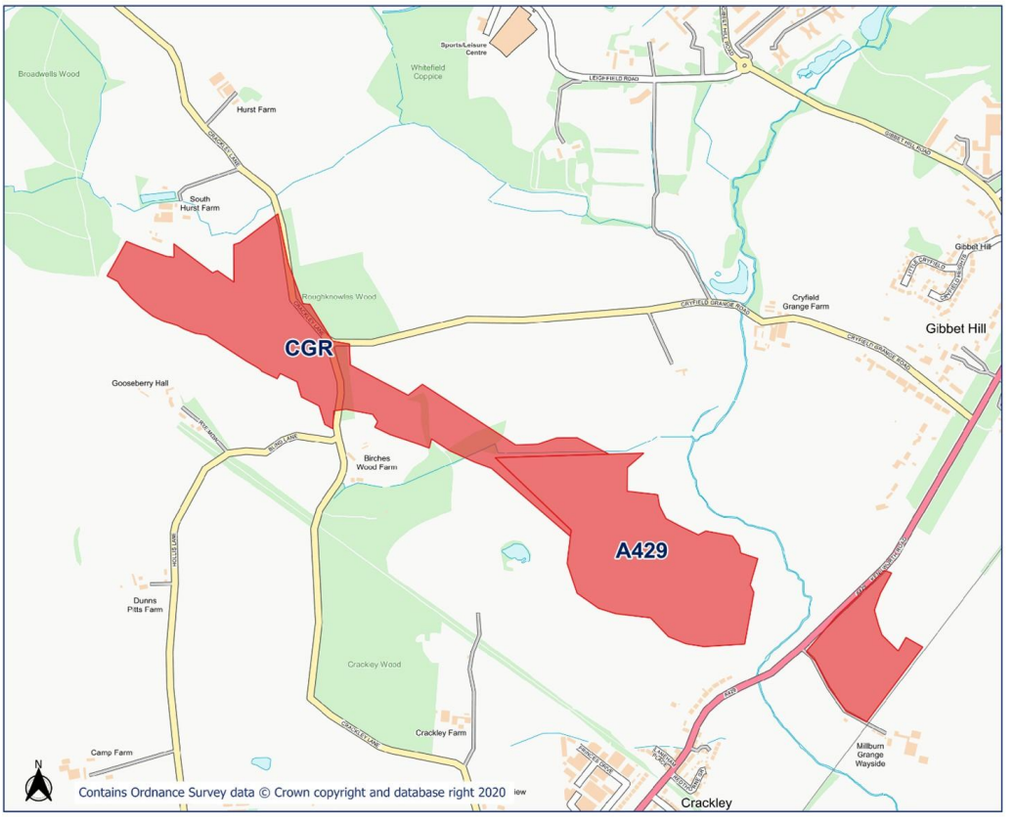


HS2

Worksite Identification Plan - 1



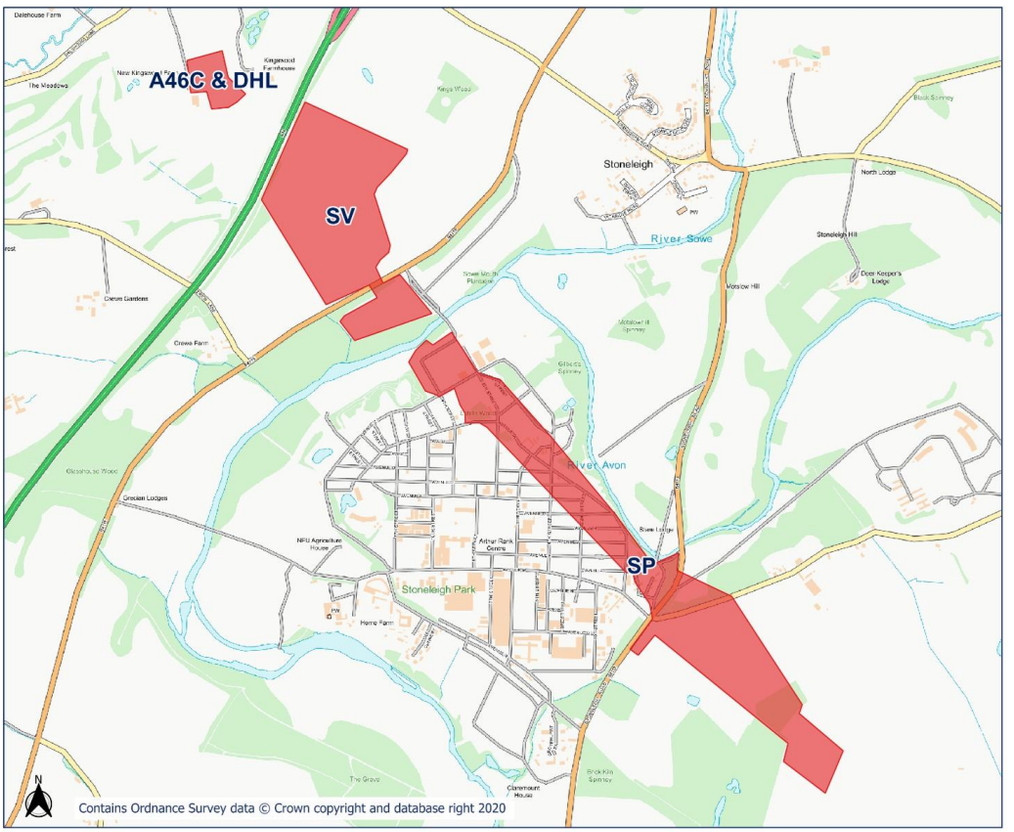
Worksite Identification Plan - 2



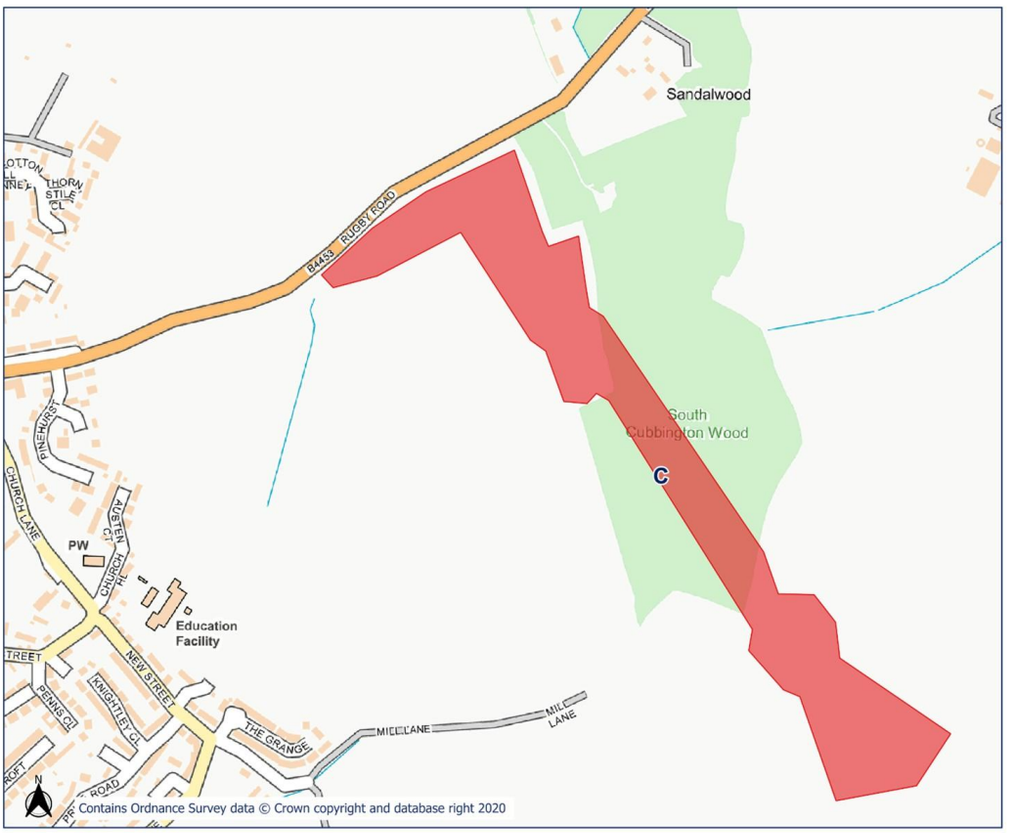
Legend

Active Worksites

Worksite Identification Plan - 3



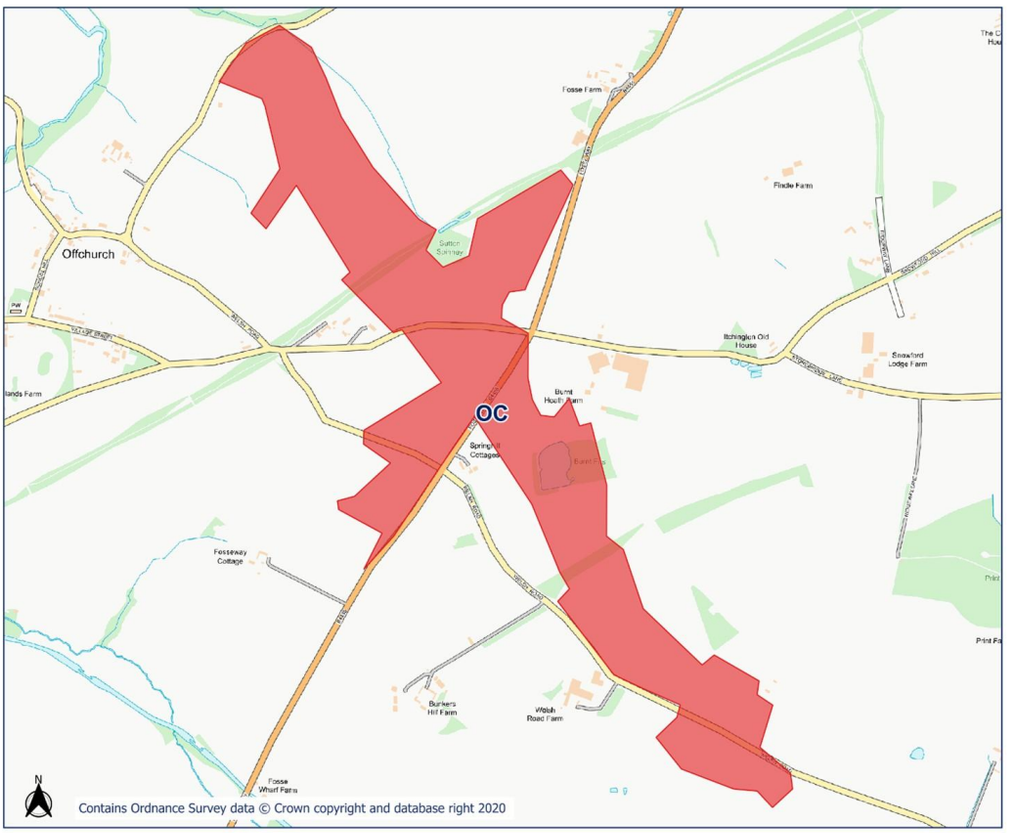
Worksite Identification Plan - 4



Legend

Active Worksites

Worksite Identification Plan - 5

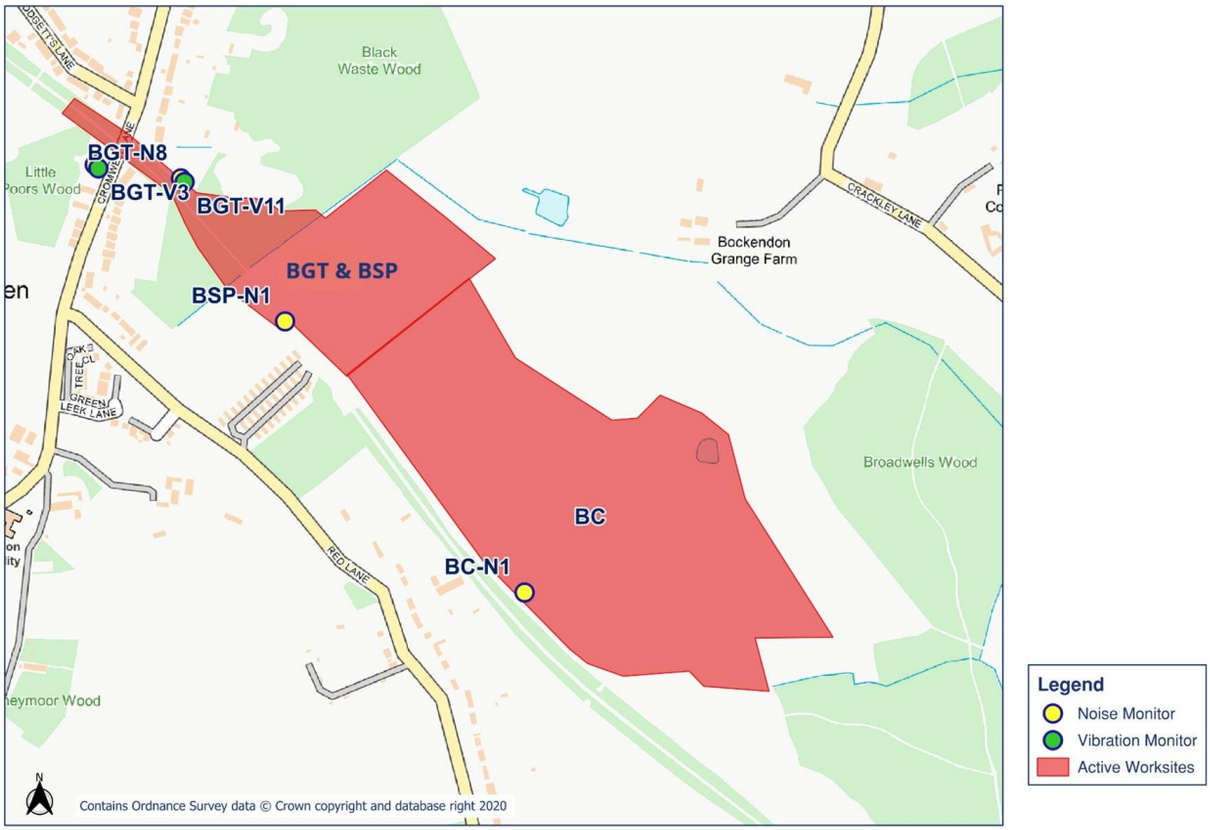


Legend

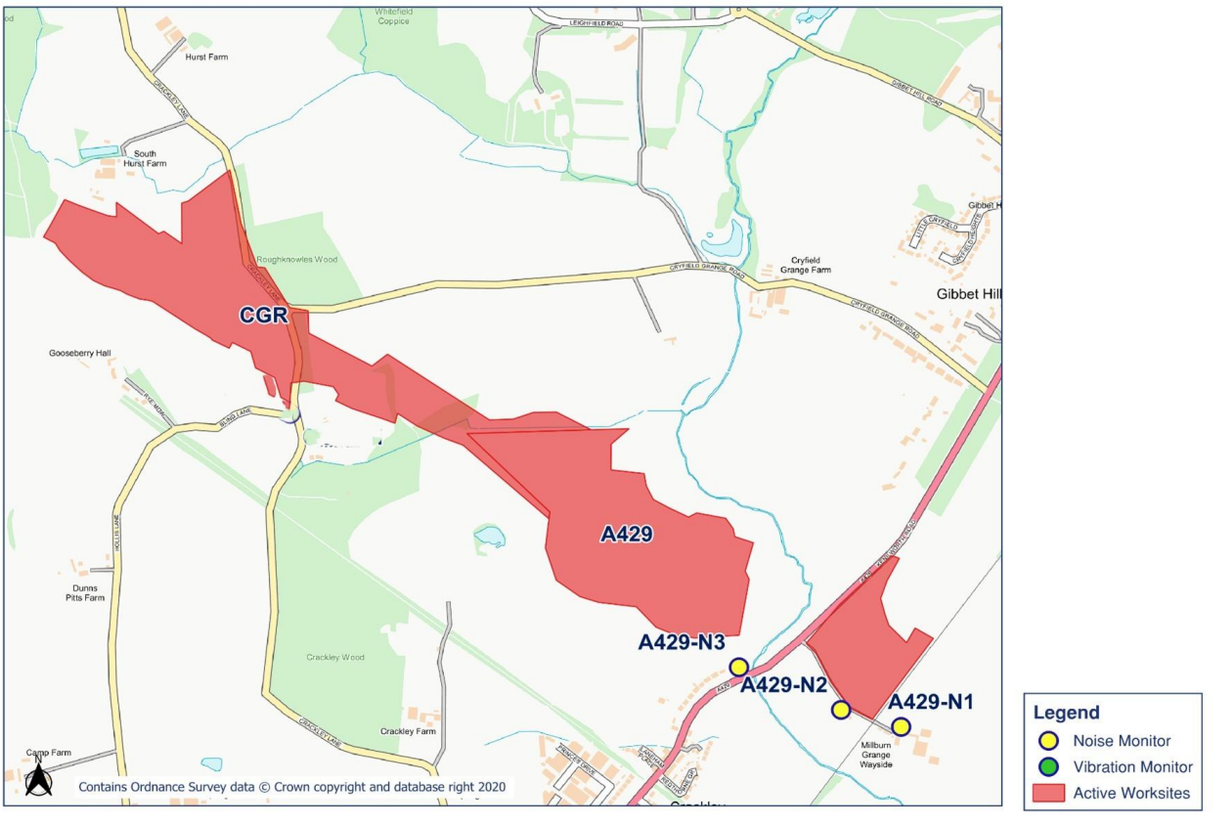
Active Worksites

Appendix B Monitoring Locations

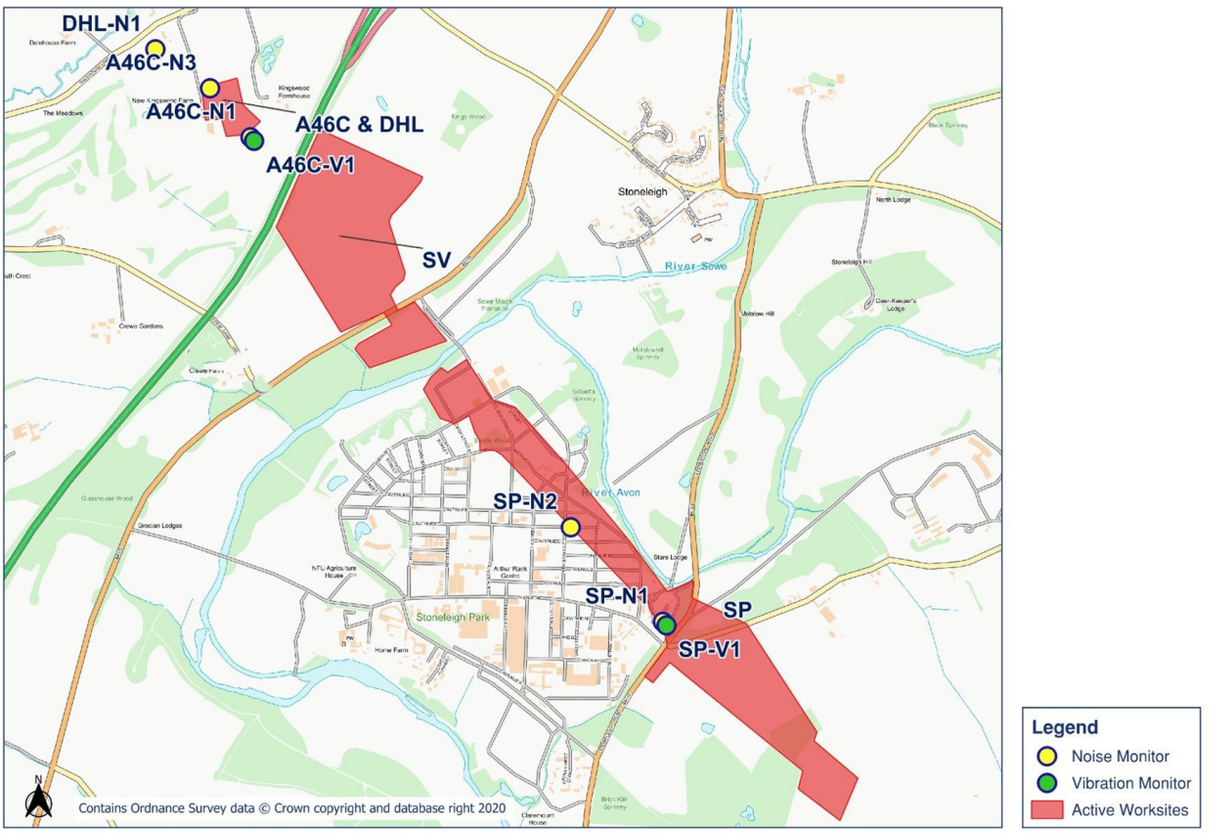
HS2 **Noise and Vibration Monitoring Plan - 1**



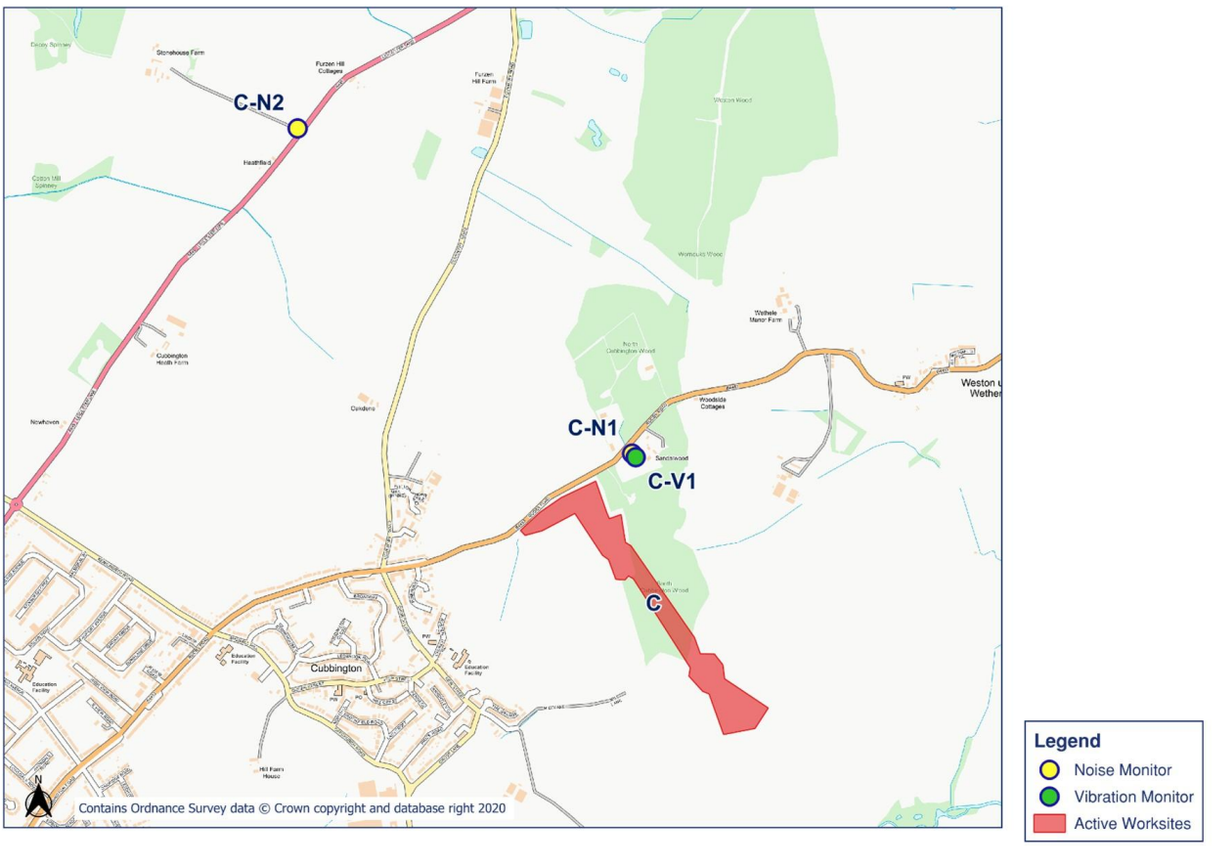
Noise and Vibration Monitoring Plan - 2



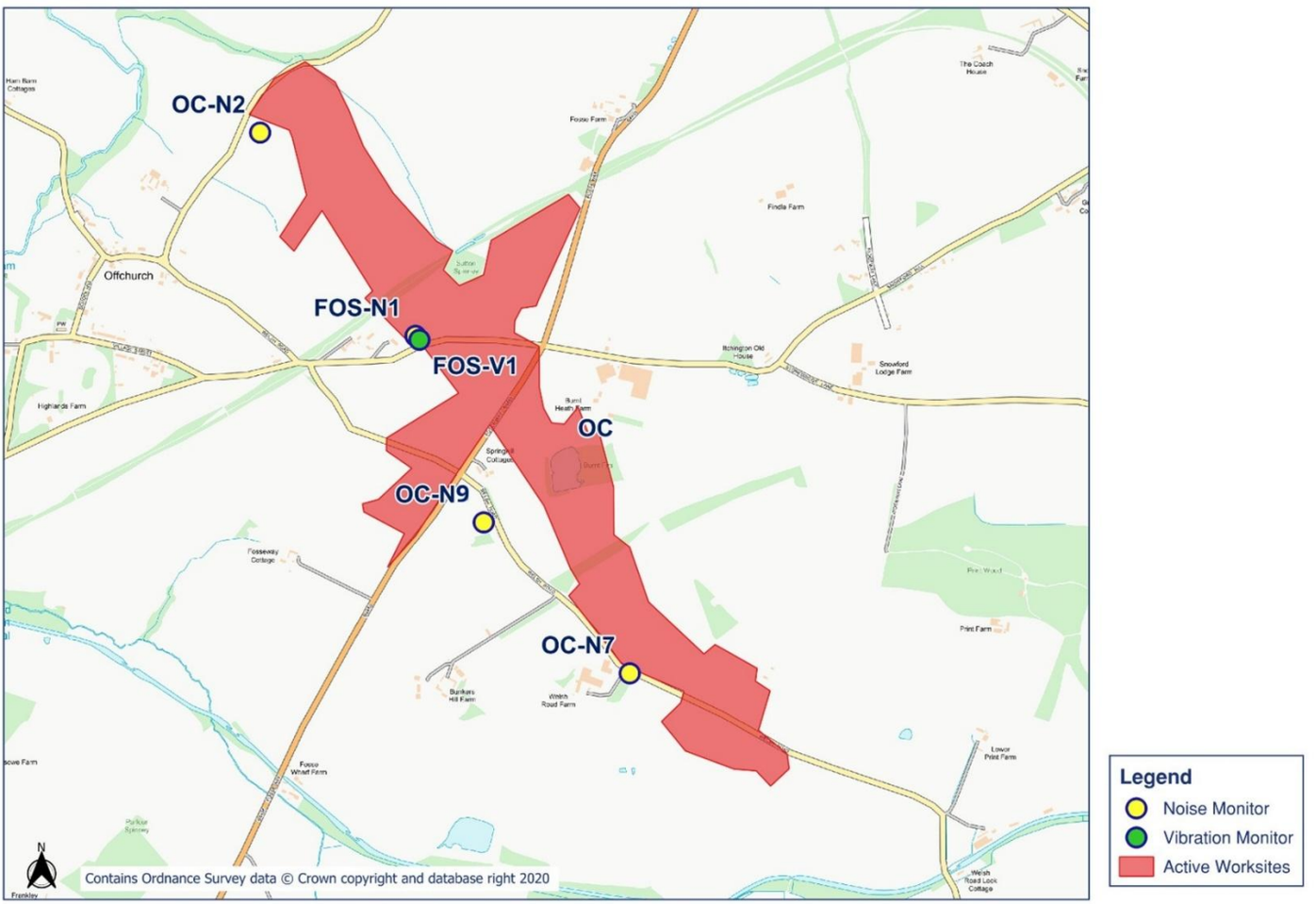
HS2 Noise and Vibration Monitoring Plan - 3



Noise and Vibration Monitoring Plan - 4



Noise and Vibration Monitoring Plan - 5

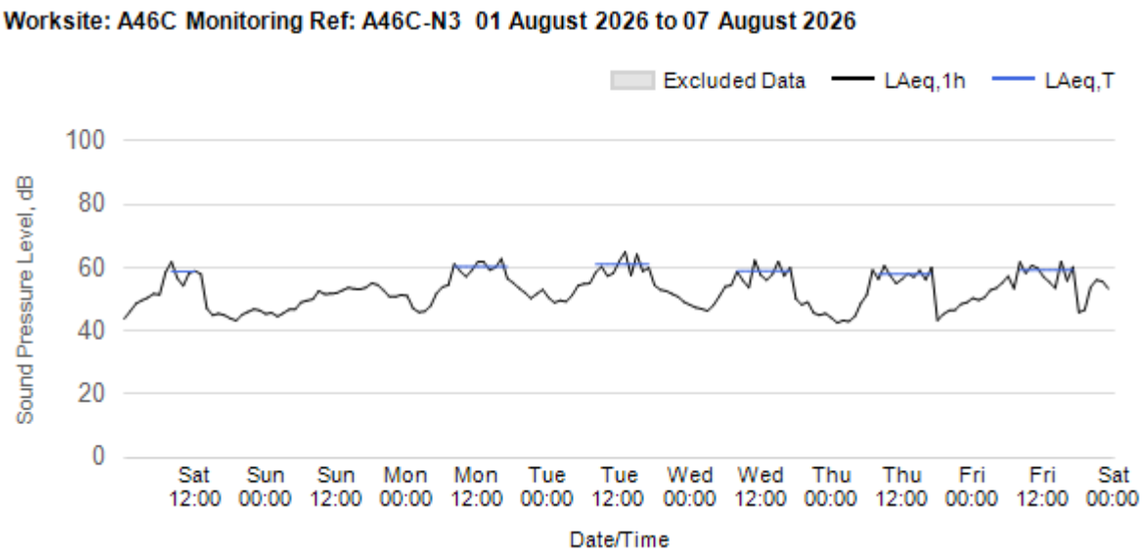


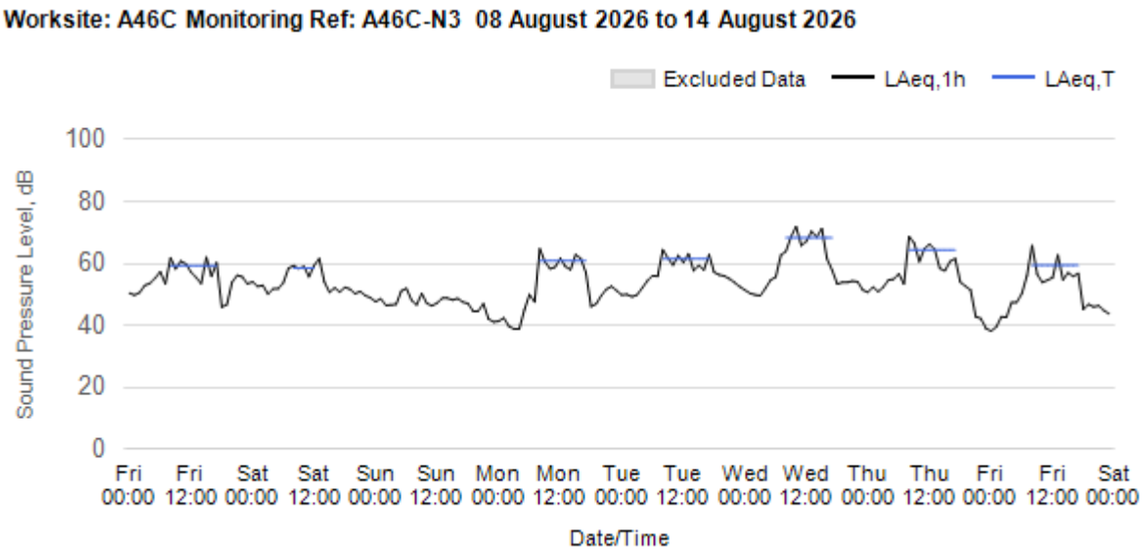
Appendix C Data

Noise

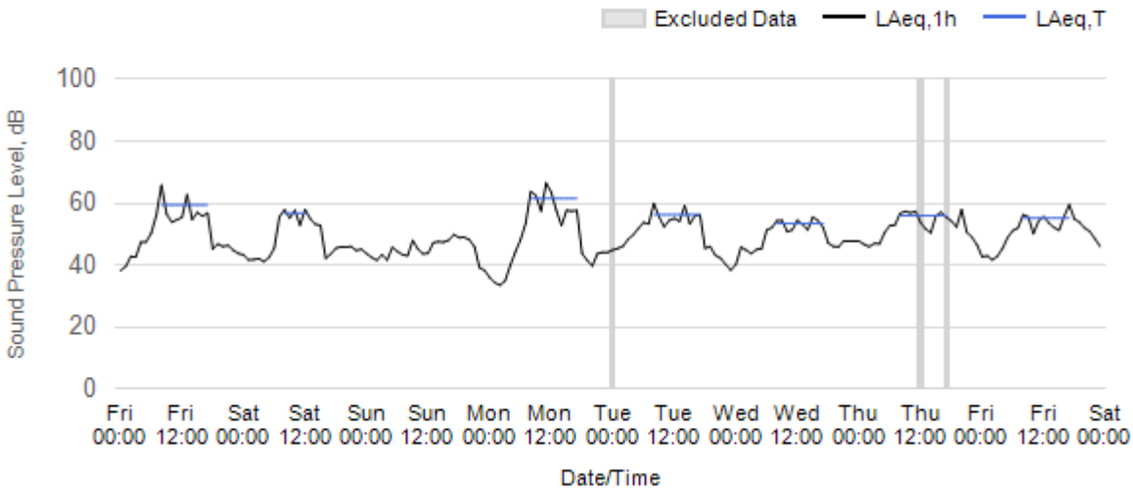
The following graphs show the hourly measured ambient noise level LAeq,1h and, where relevant, the averaged noise level LAeq,T values, where the time period T is as specified in Table 1 of HS2 Information Paper E23. Periods where noise levels are adversely affected by weather or only measured for part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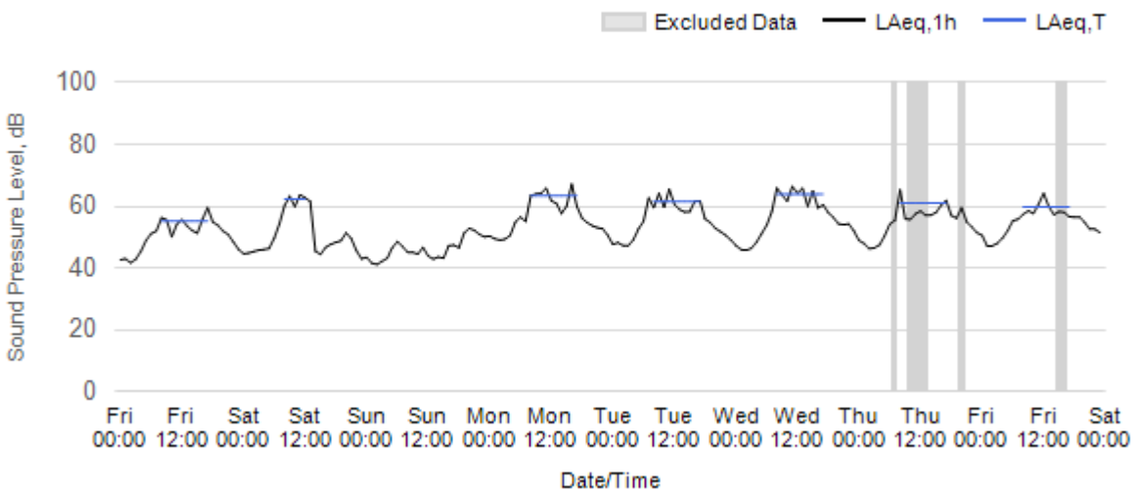




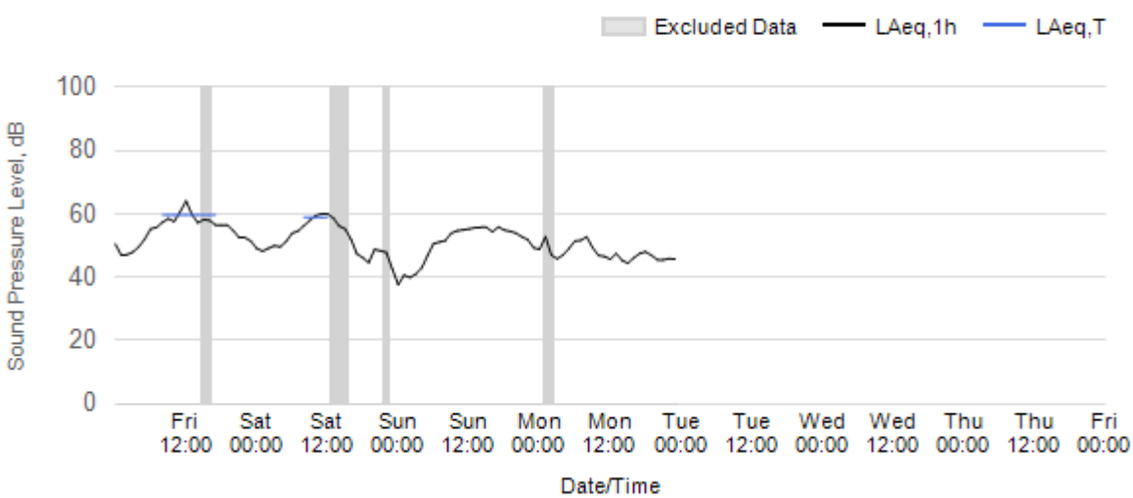
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Worksite: A46C Monitoring Ref: A46C-N3 22 August 2026 to 28 August 2026

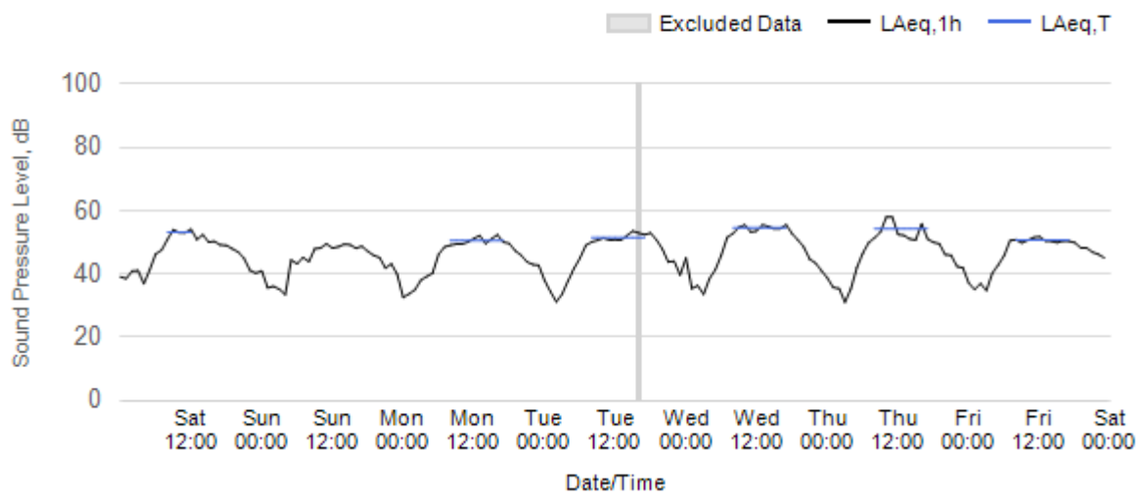


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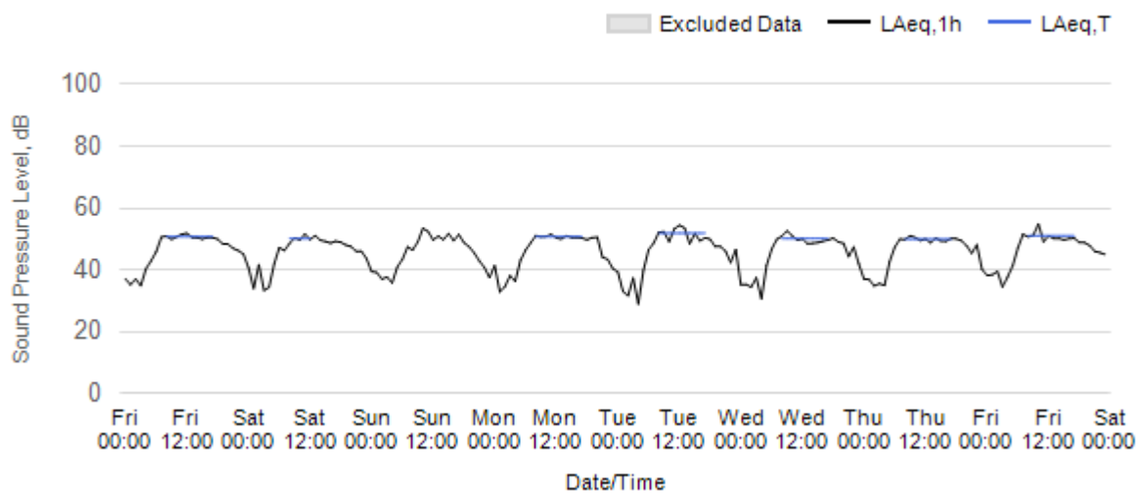


Worksite: C - Monitoring Ref: C-N1

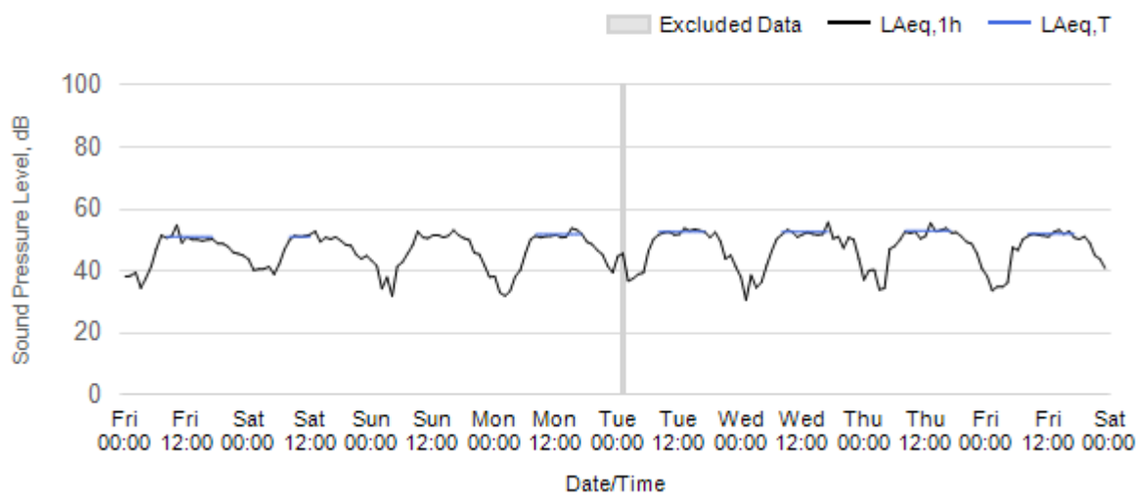
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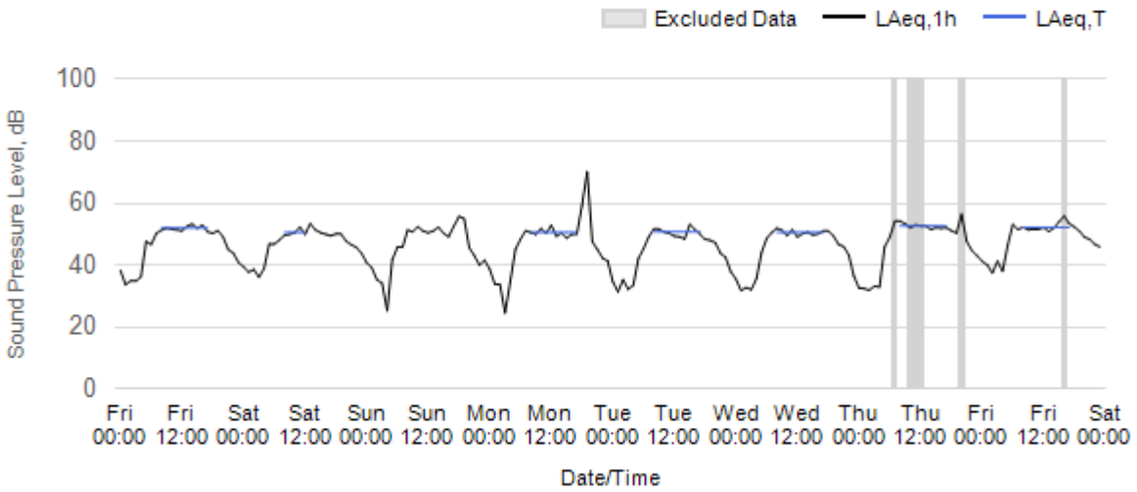
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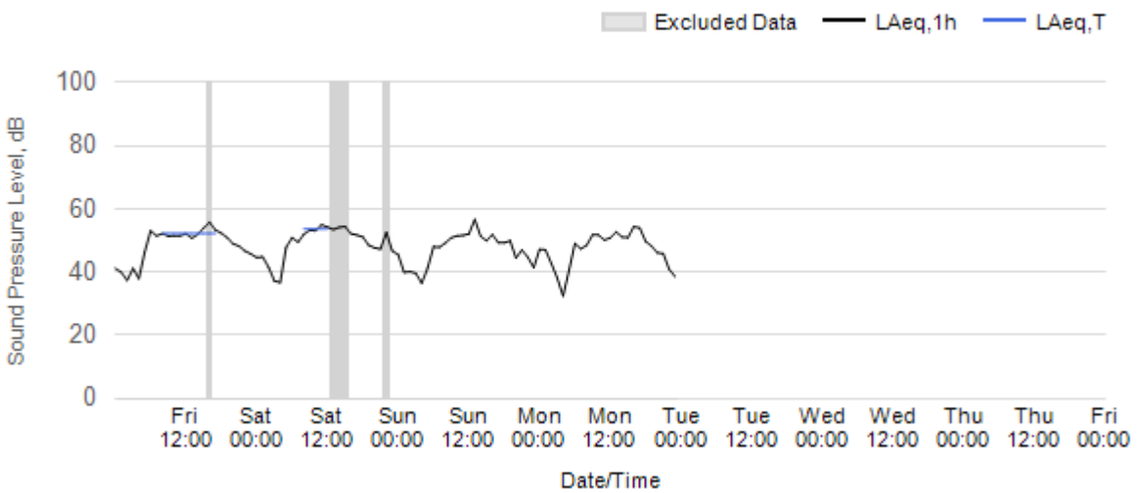
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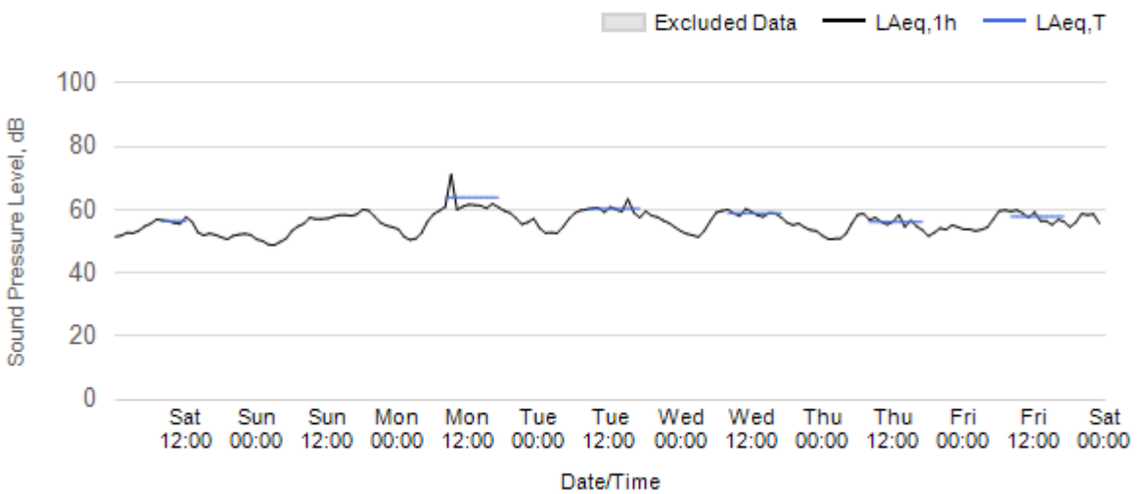


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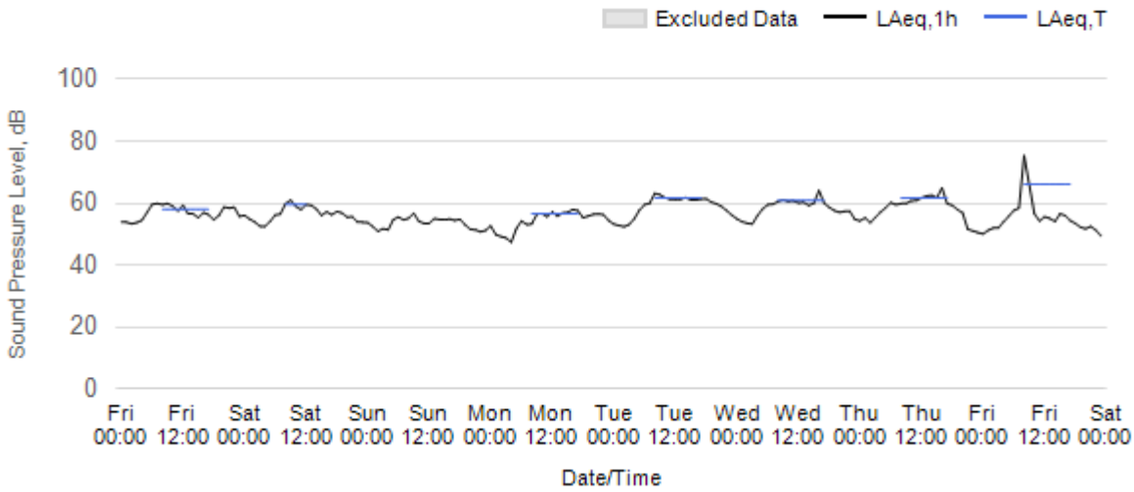


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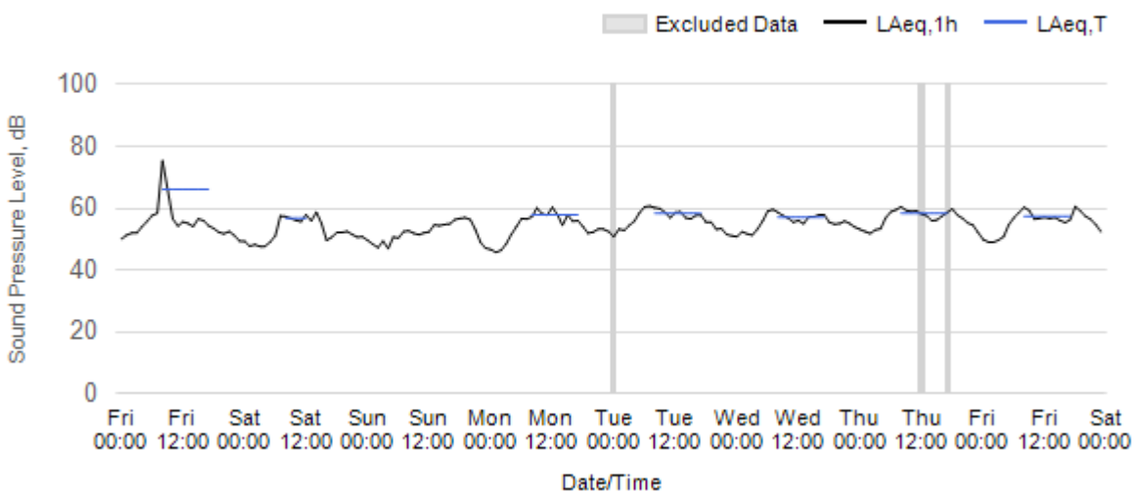
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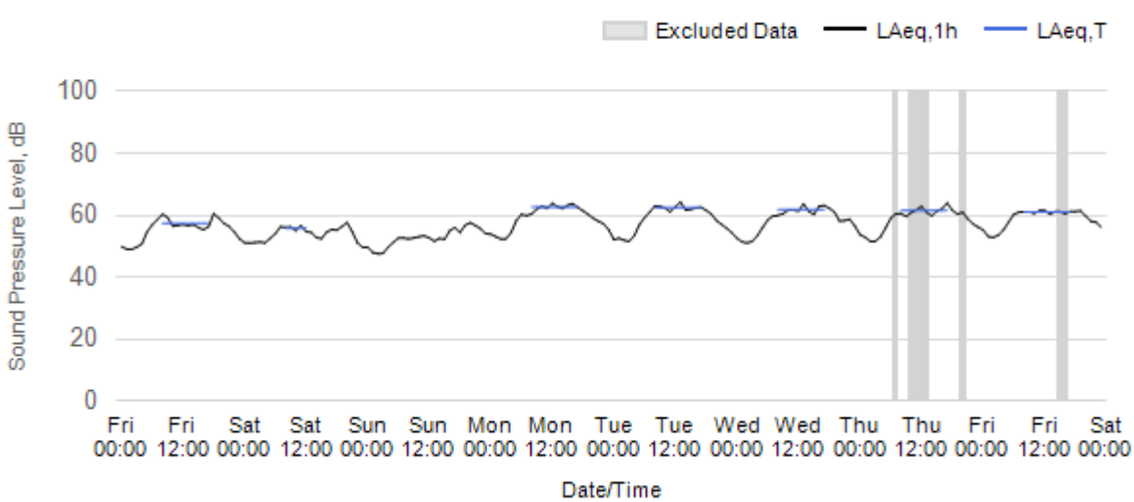
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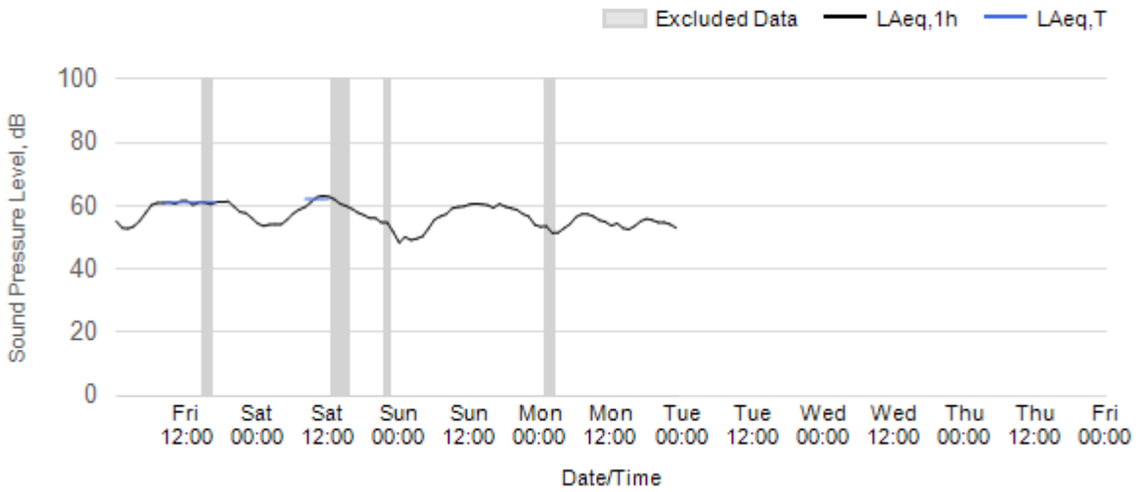
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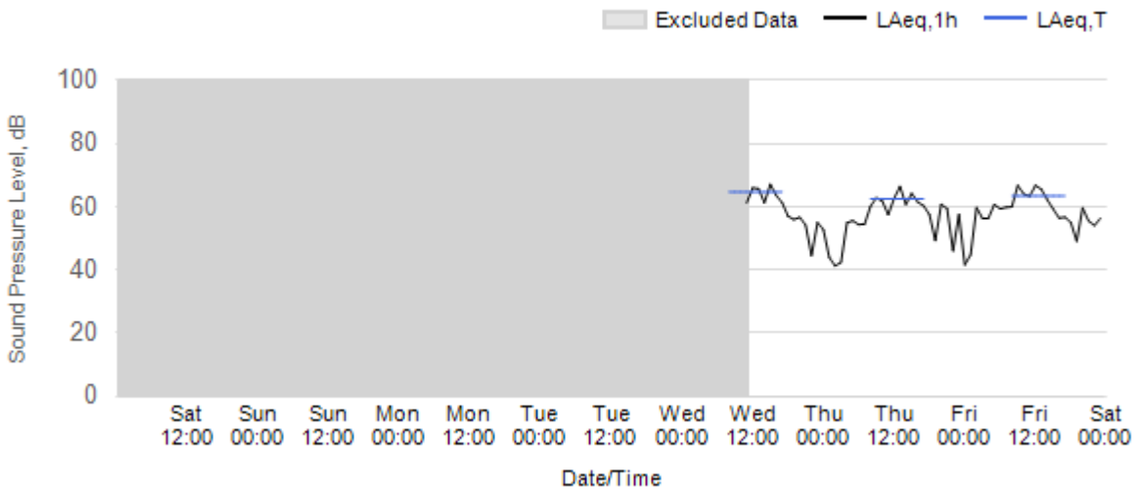


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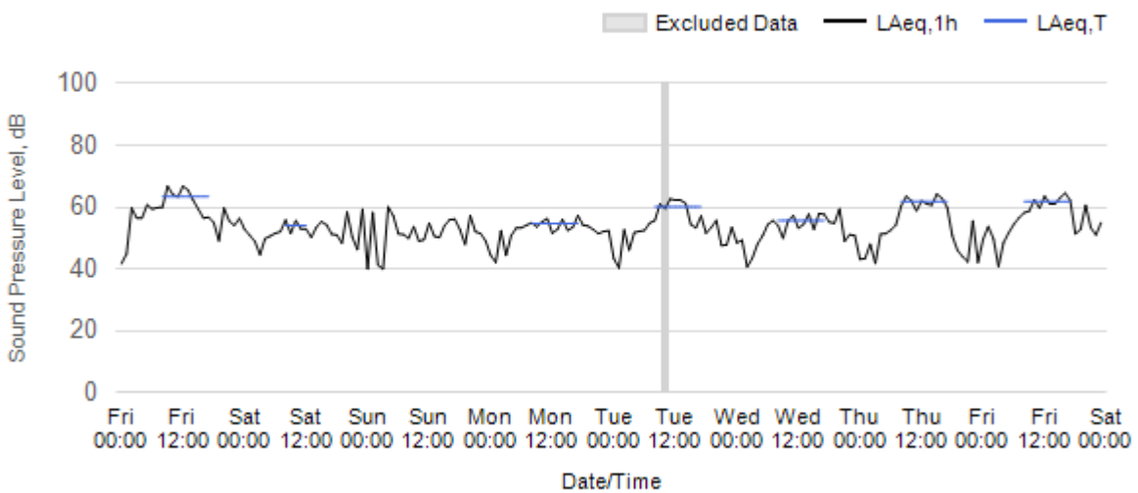
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Worksite: SP Monitoring Ref: SP-N2 01 August 2026 to 07 August 2026

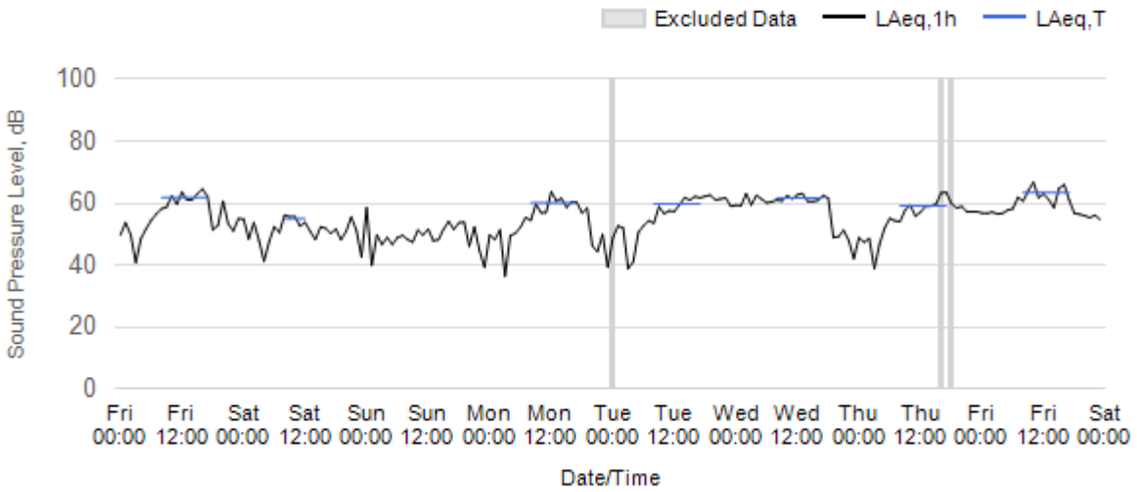


Note: Missing data due to a fault with monitoring equipment.

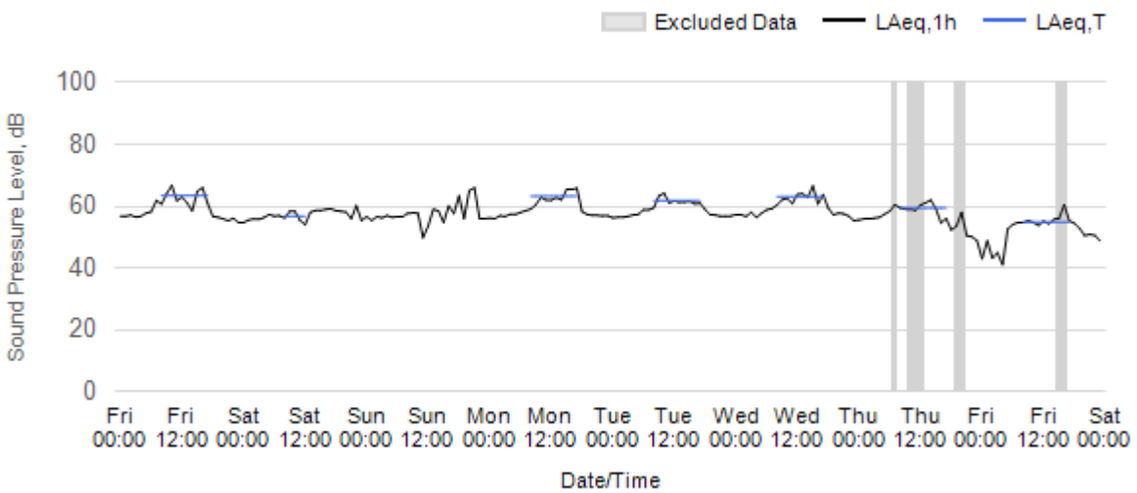
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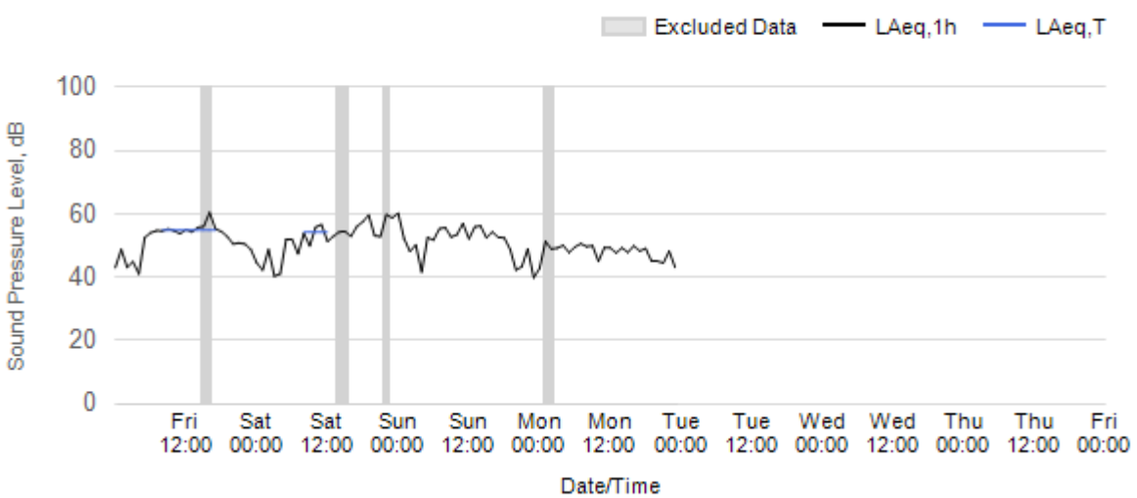
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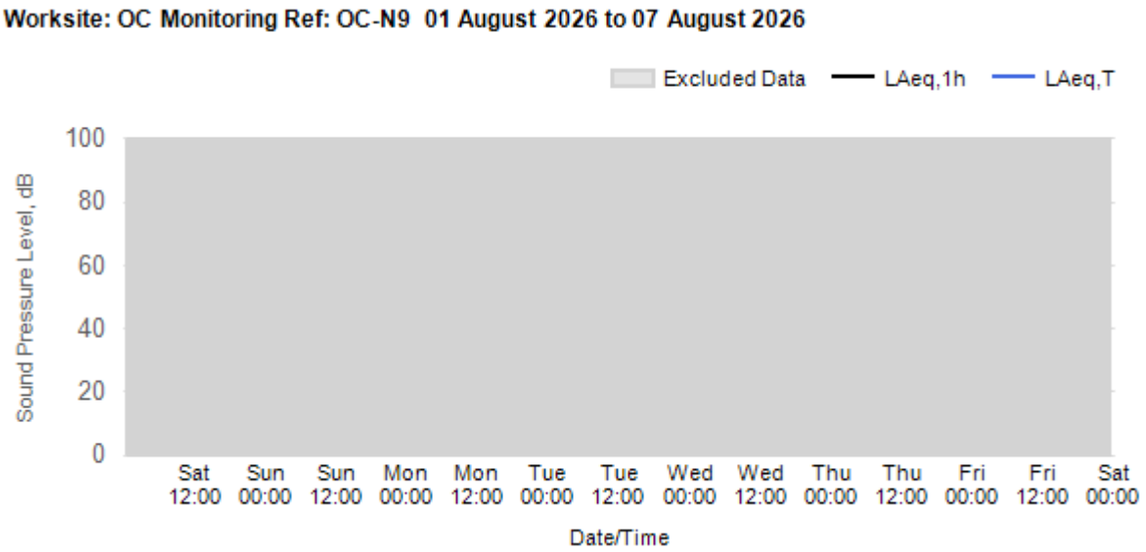
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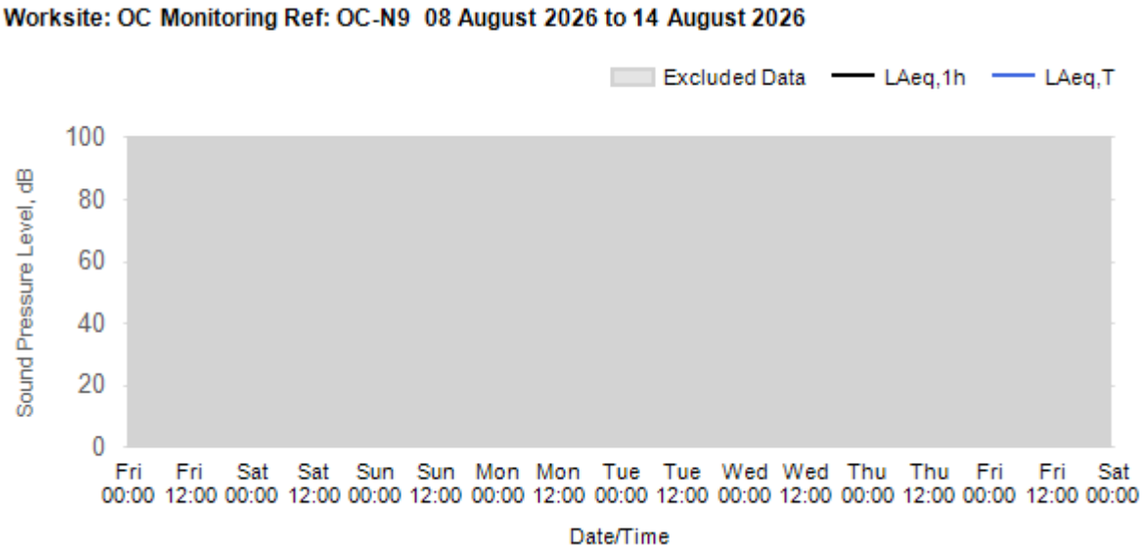
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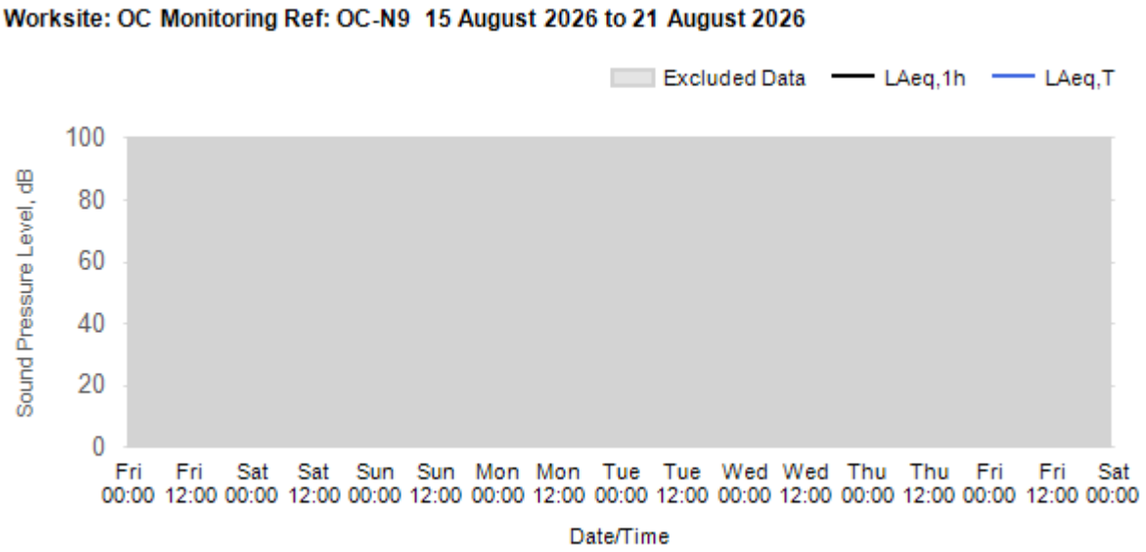
Worksite: OC - Monitoring Ref: OC-N9



Note: Monitoring location installed on the 25th August

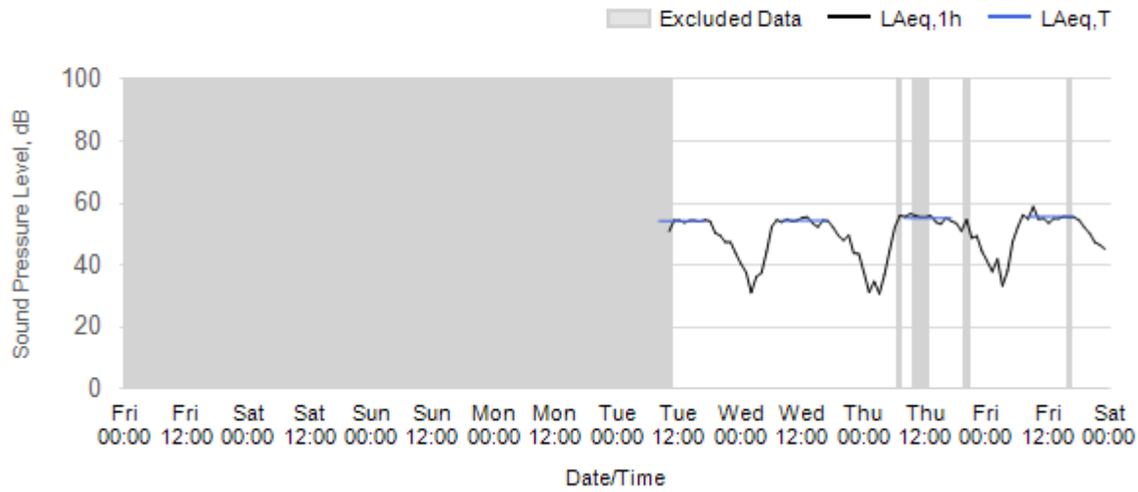


Note: Monitoring location installed on the 25th August



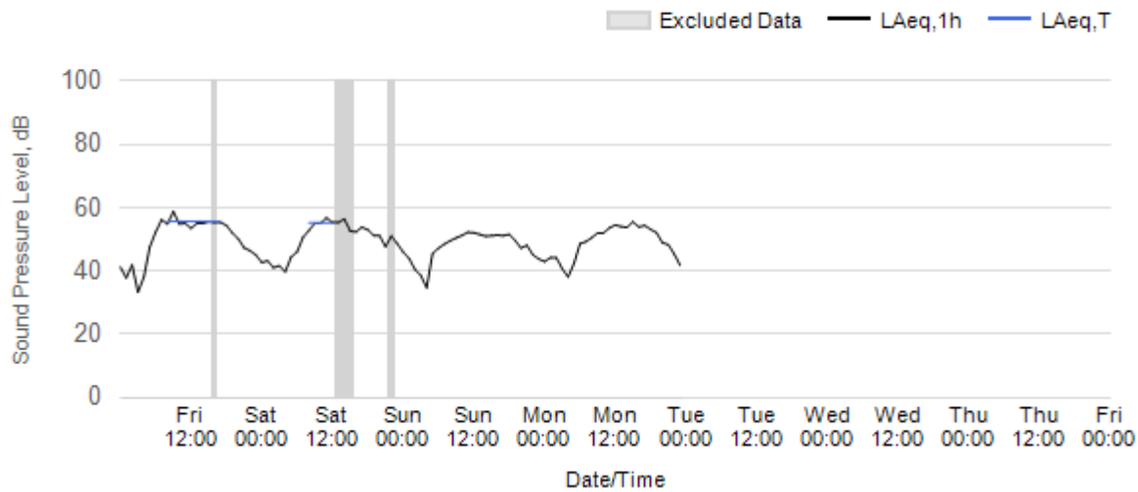
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Worksite: OC Monitoring Ref: OC-N9 22 August 2026 to 28 August 2026



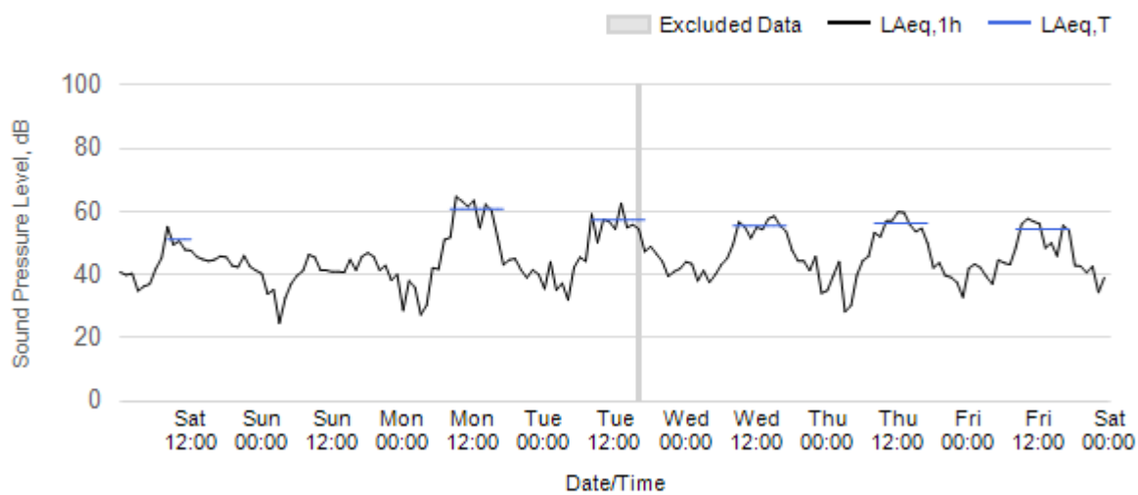
Note: Monitoring location installed on the 25th August

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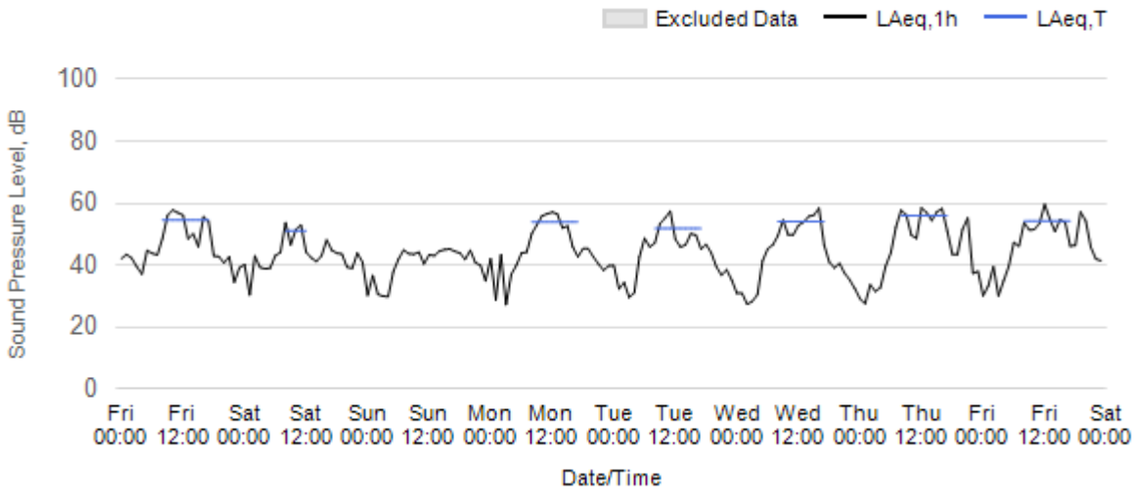


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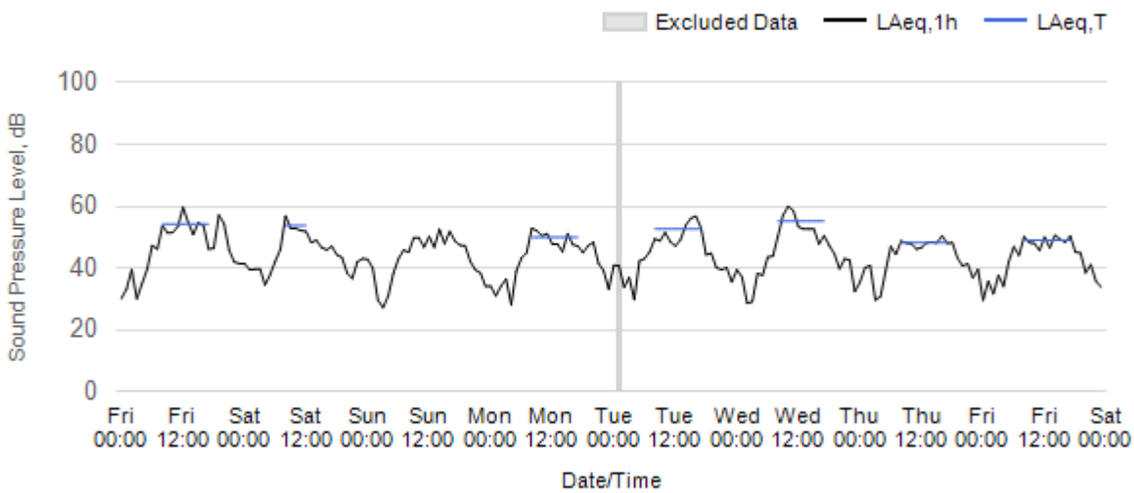
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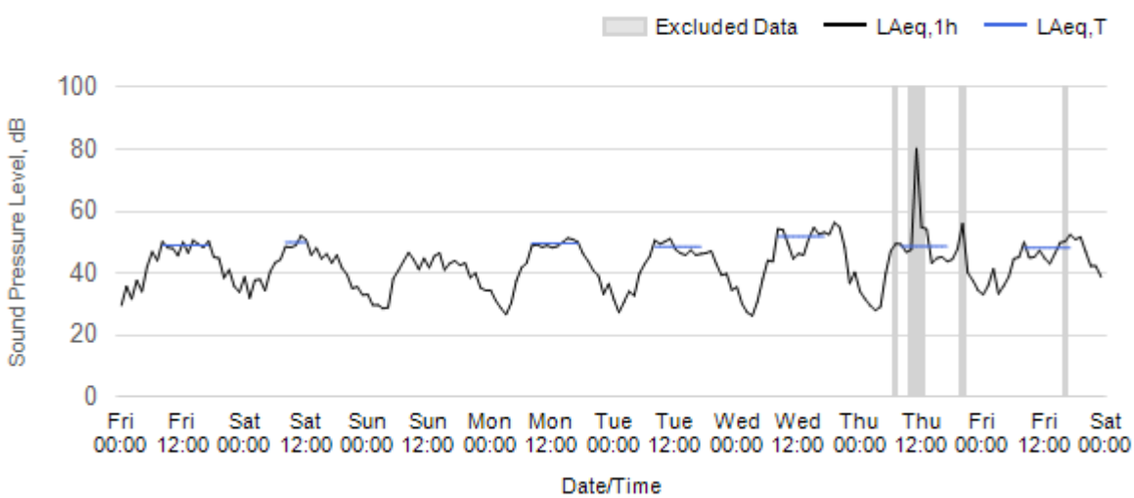
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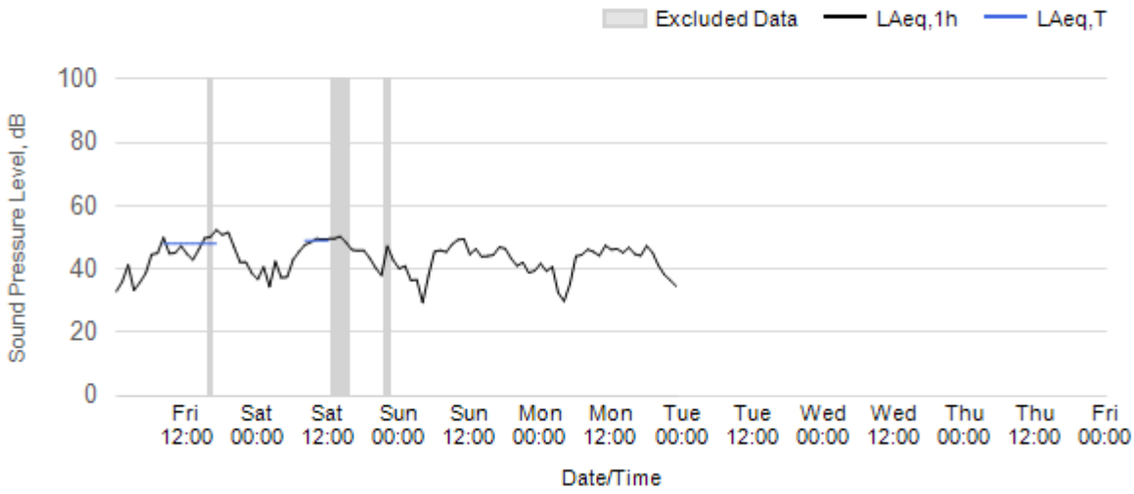
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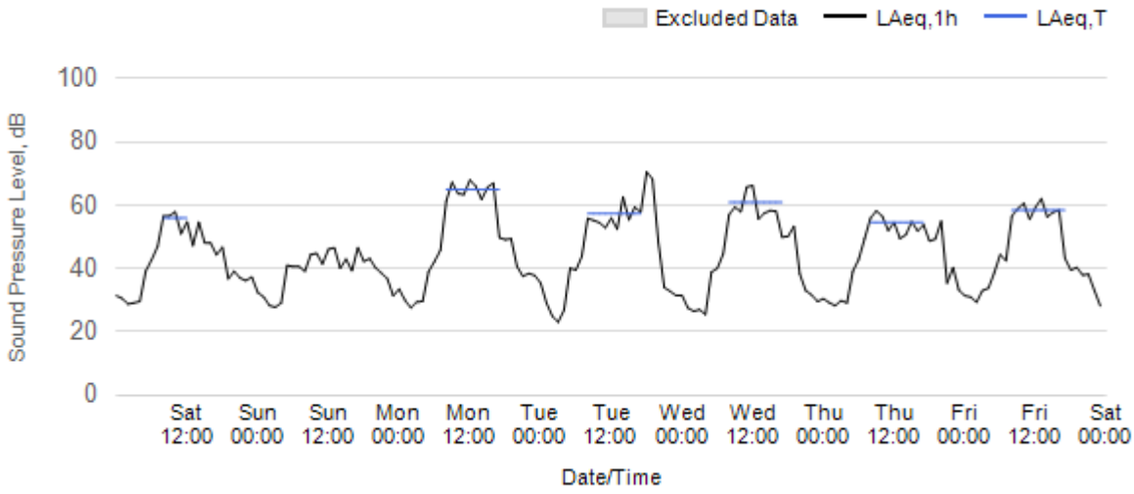


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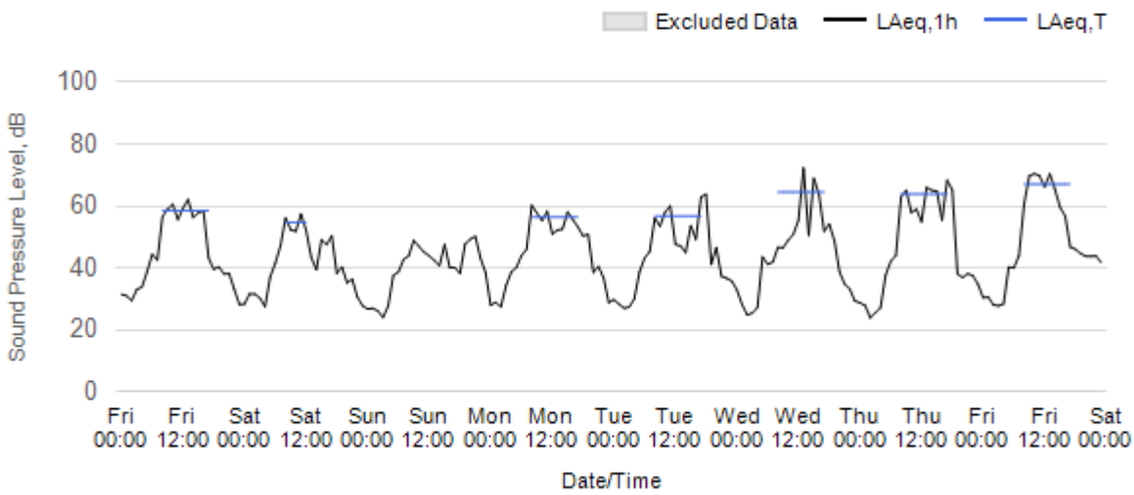


Worksite: BGT - Monitoring Ref: BGT-N5

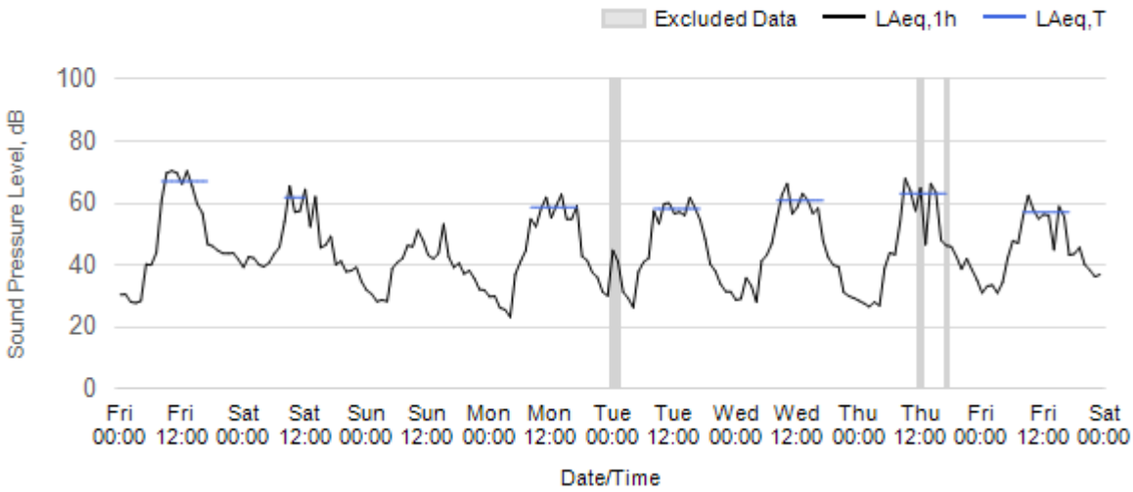
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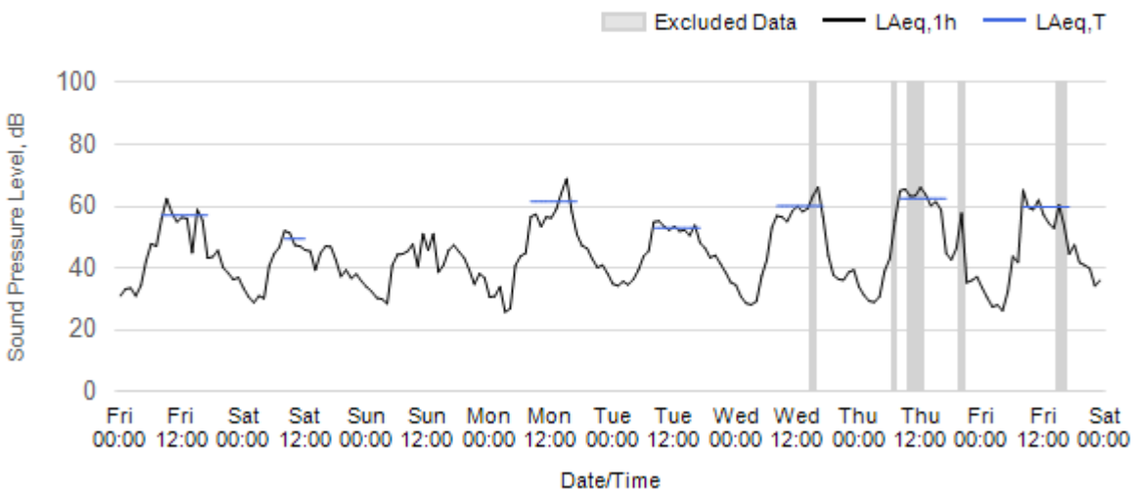
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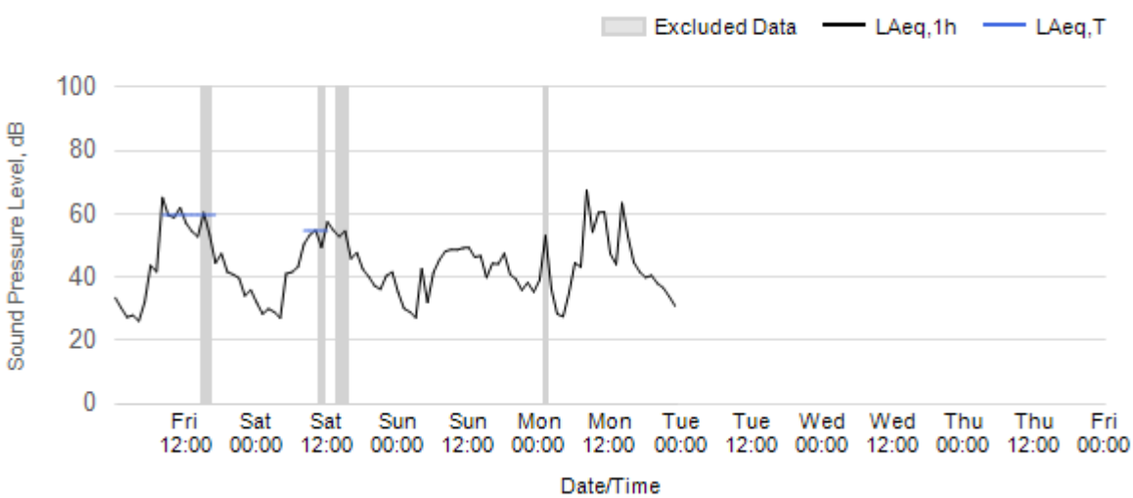
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Worksite: BGT Monitoring Ref: BGT-N5 22 August 2026 to 28 August 2026

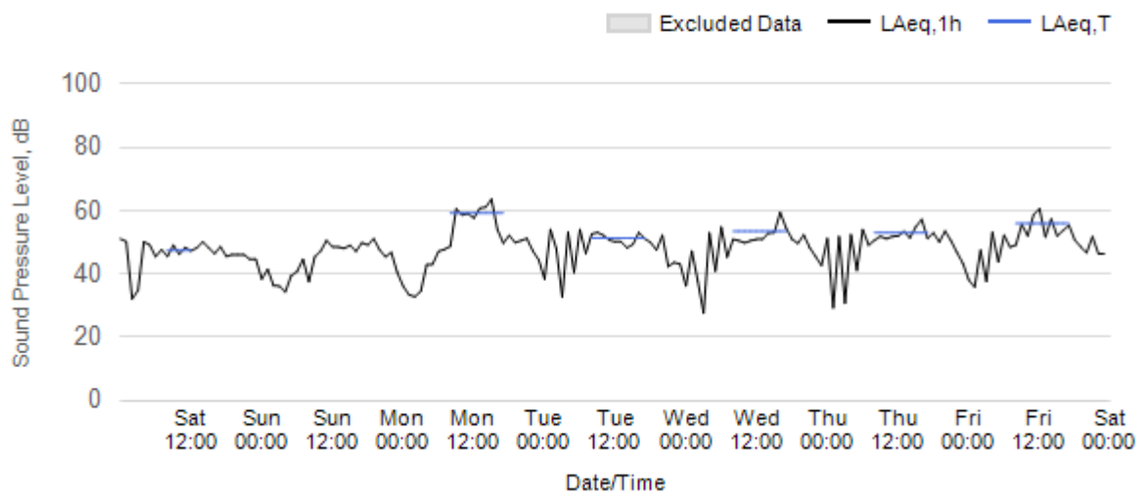


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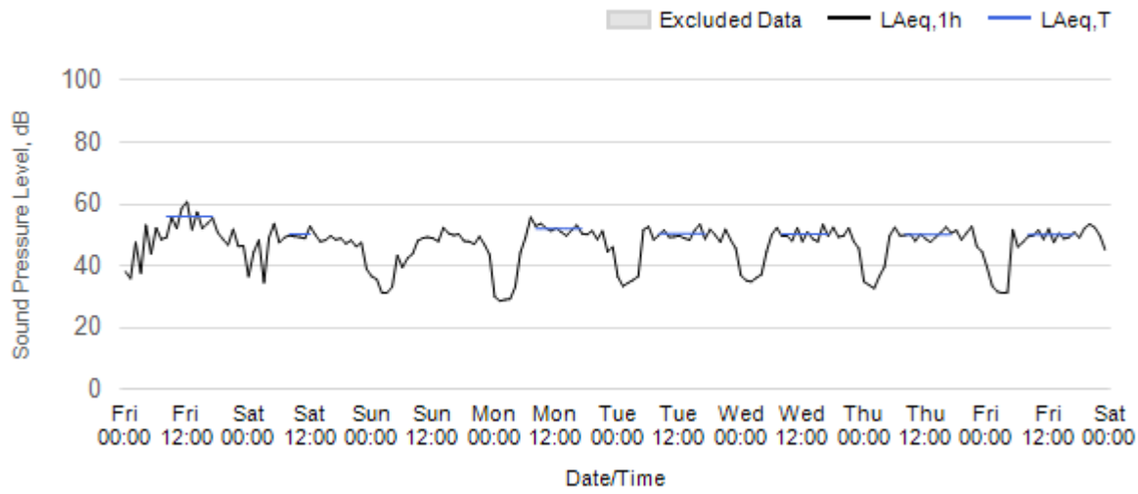


Worksite: A429 - Monitoring Ref: A429-N1

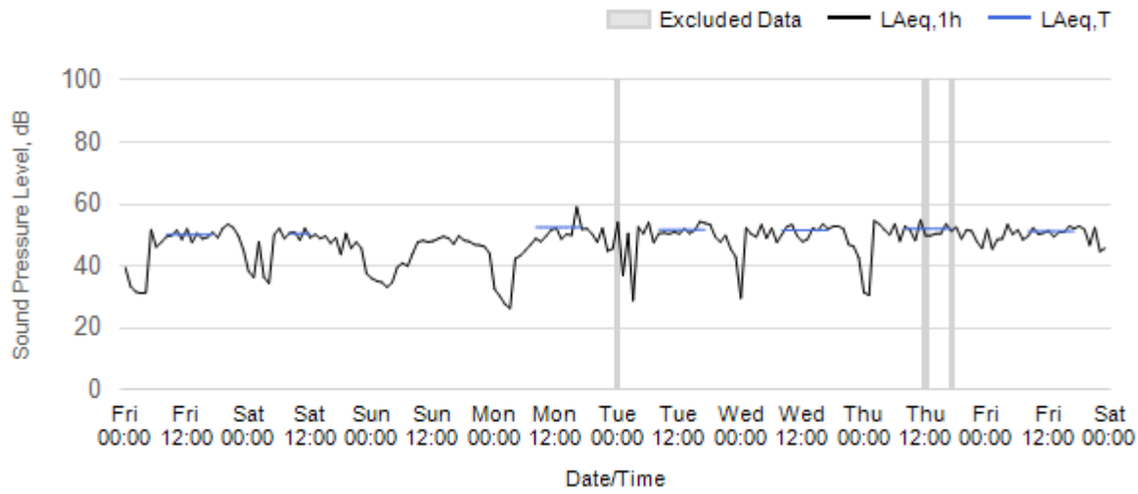
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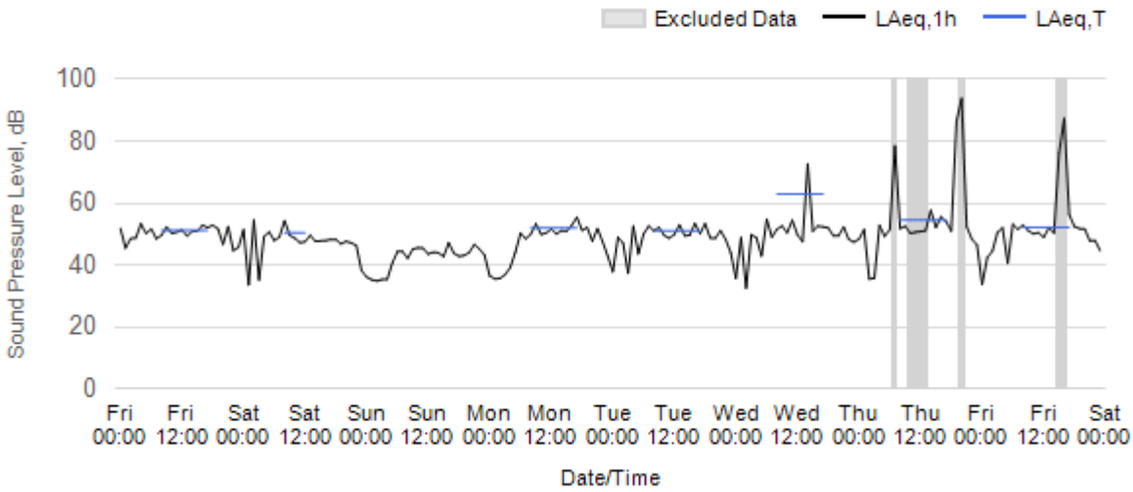
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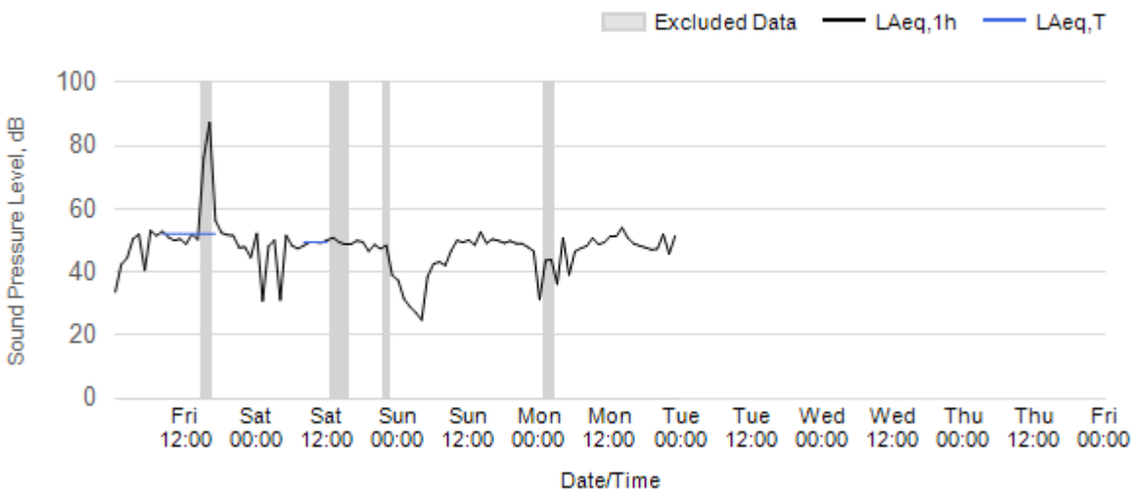
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Worksite: A429 Monitoring Ref: A429-N1 22 August 2026 to 28 August 2026

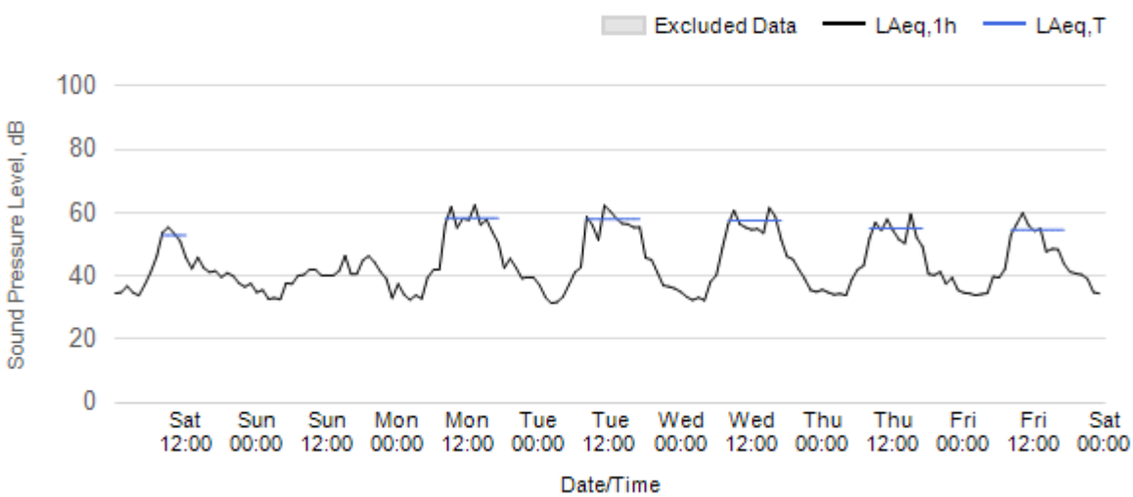


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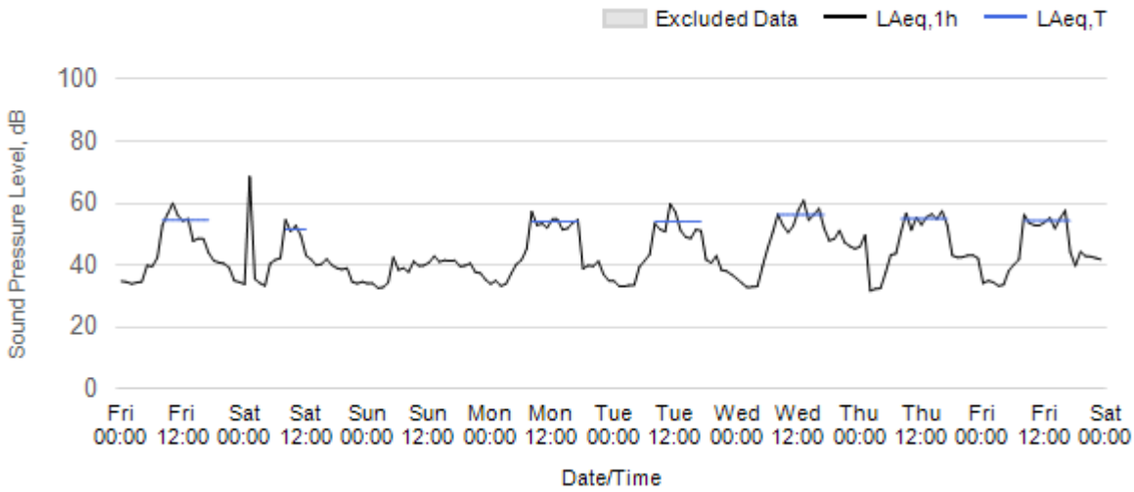


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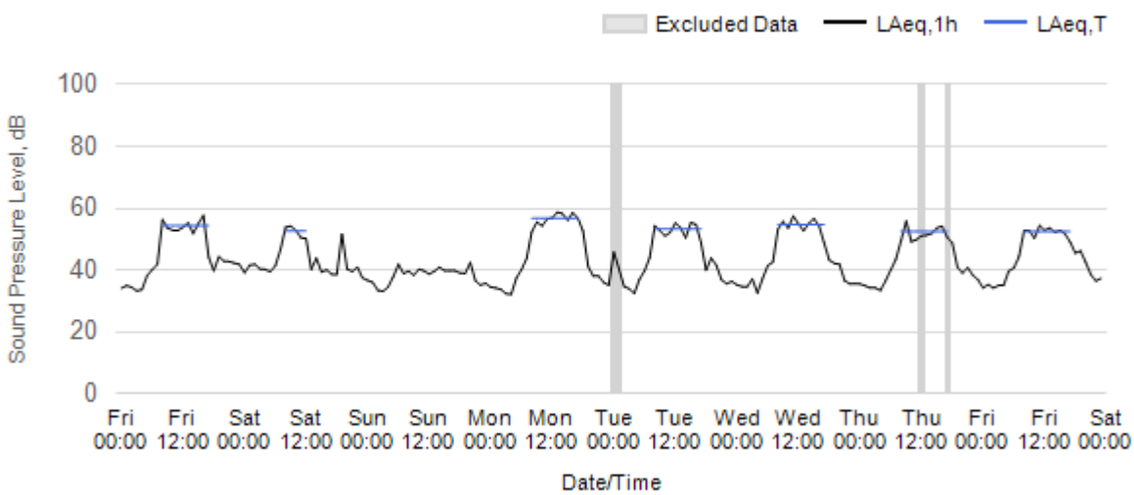
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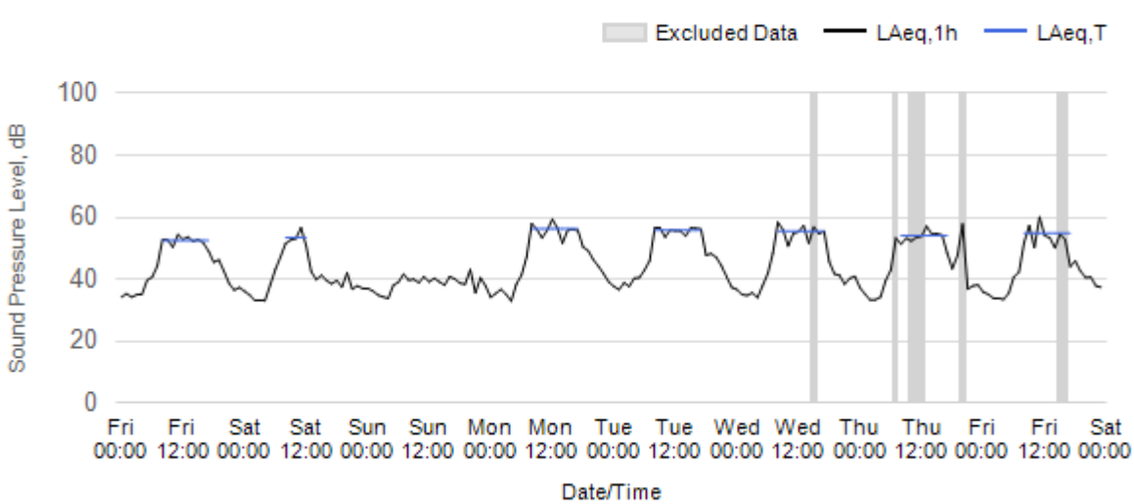
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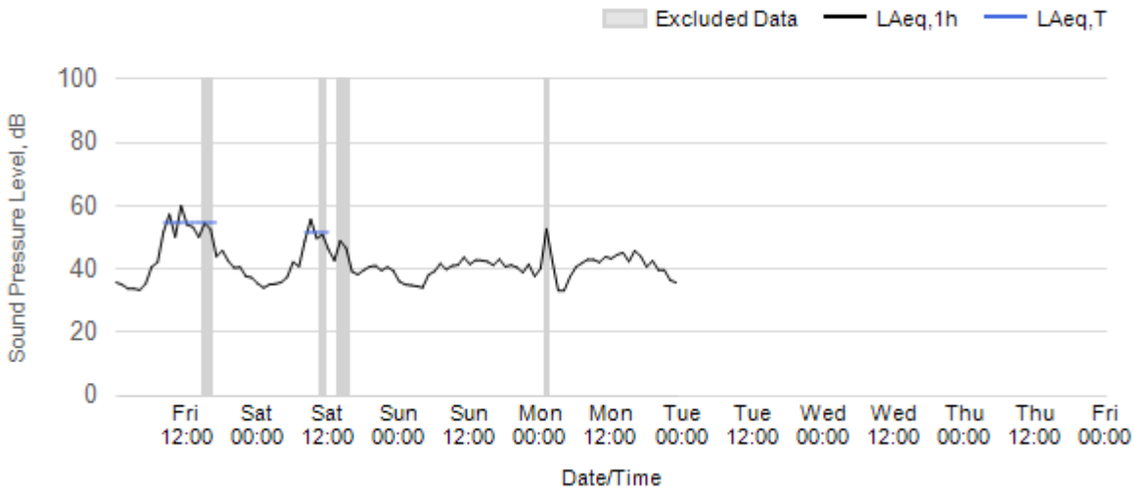
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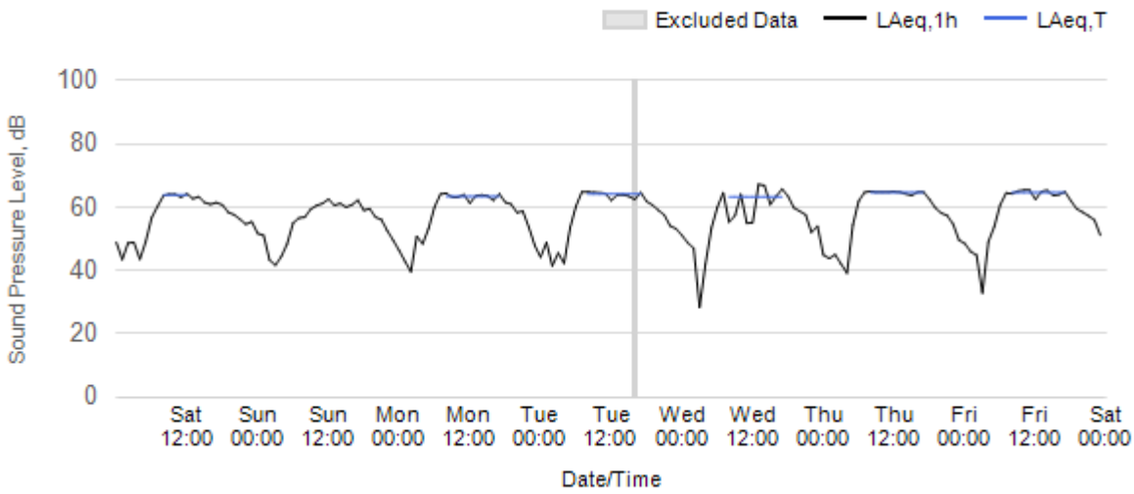


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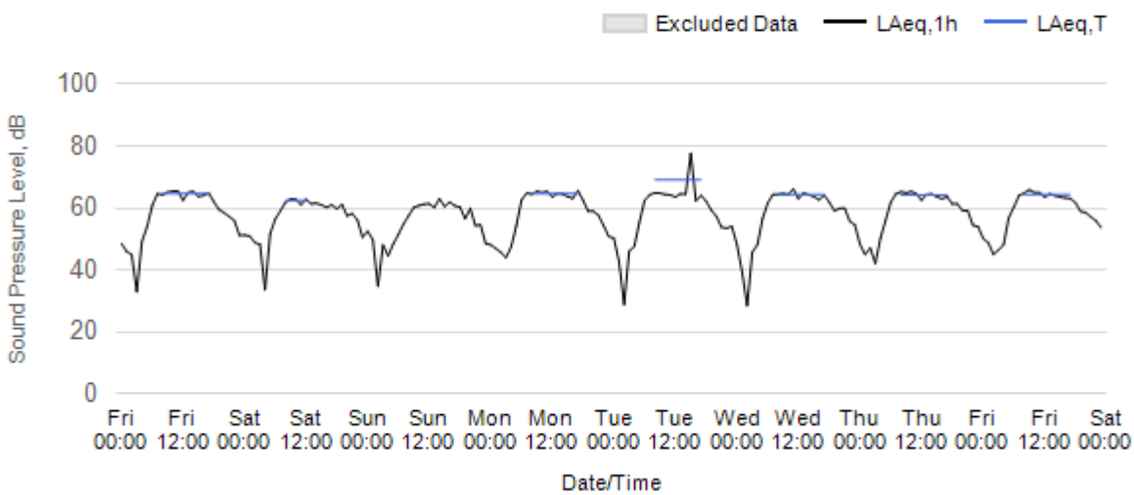


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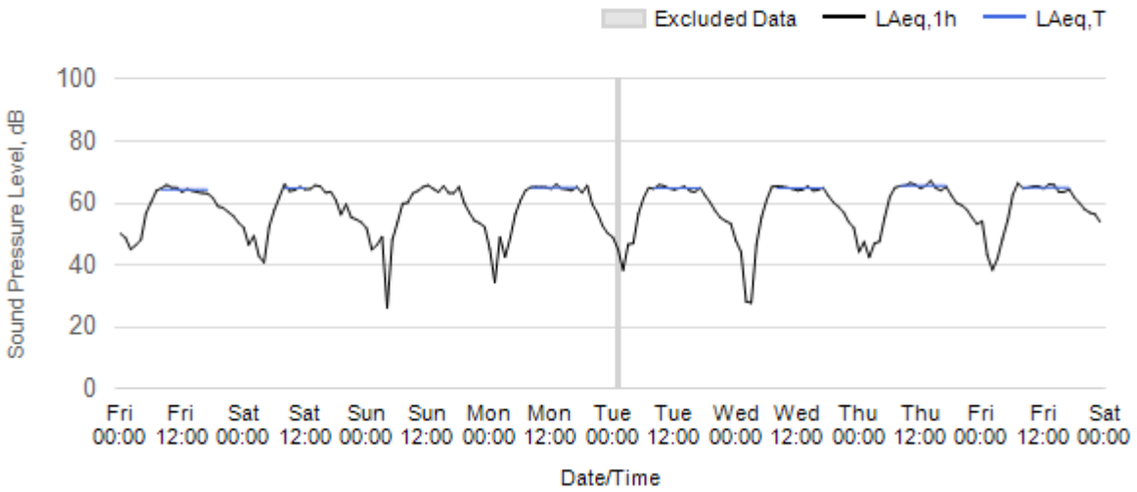
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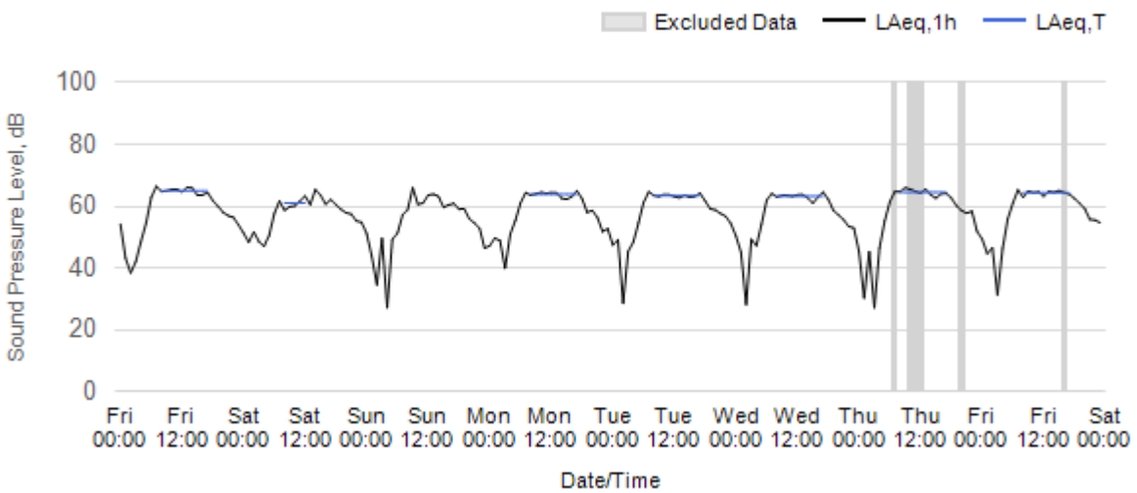
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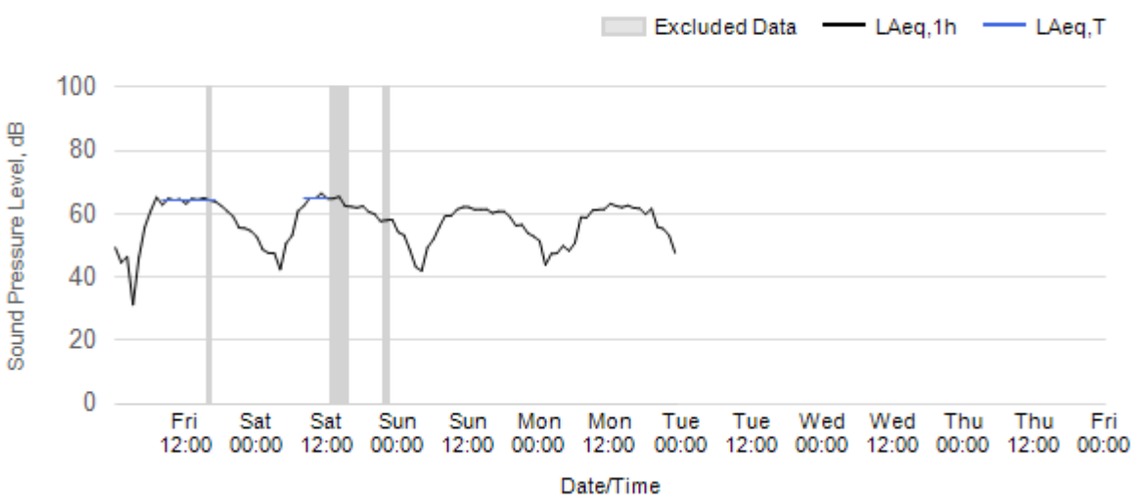
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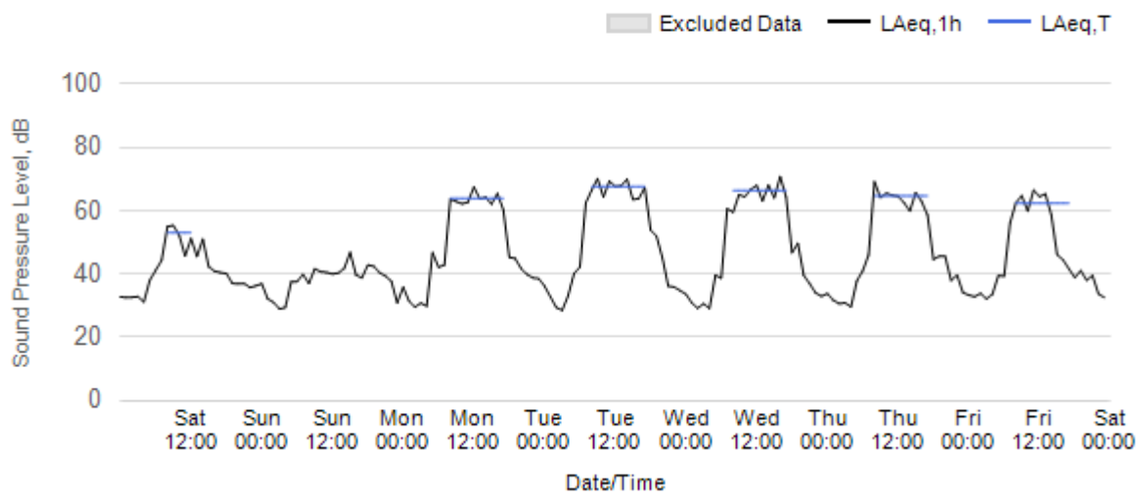


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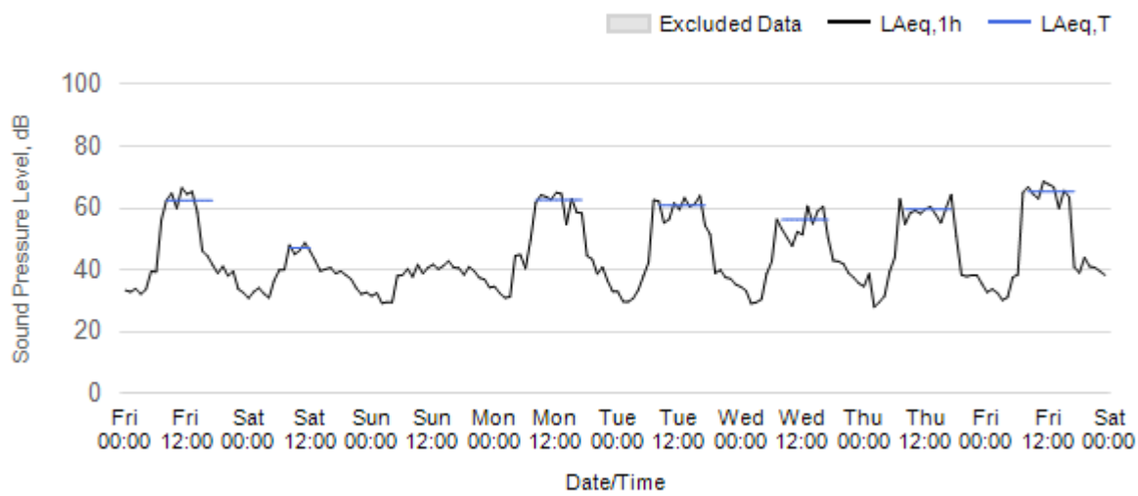


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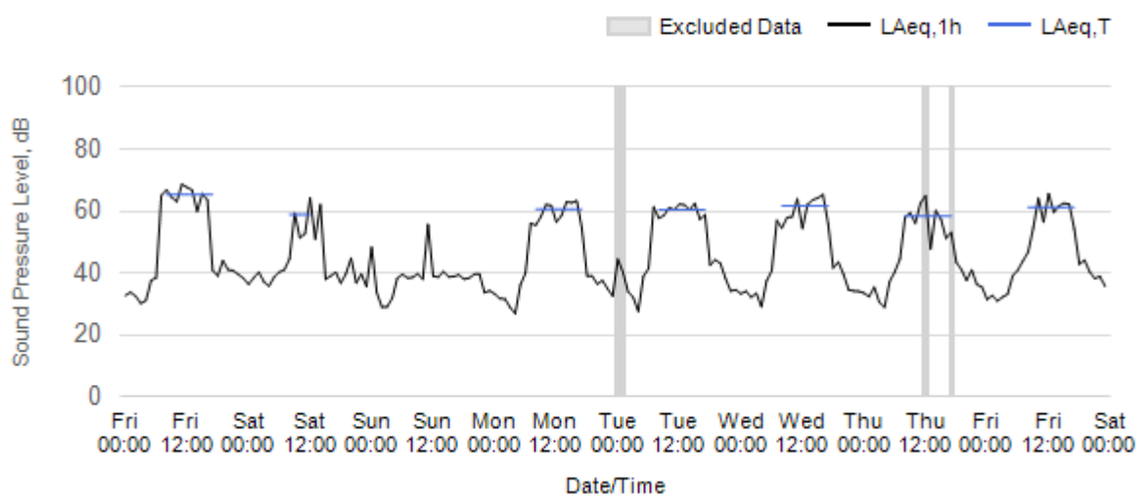
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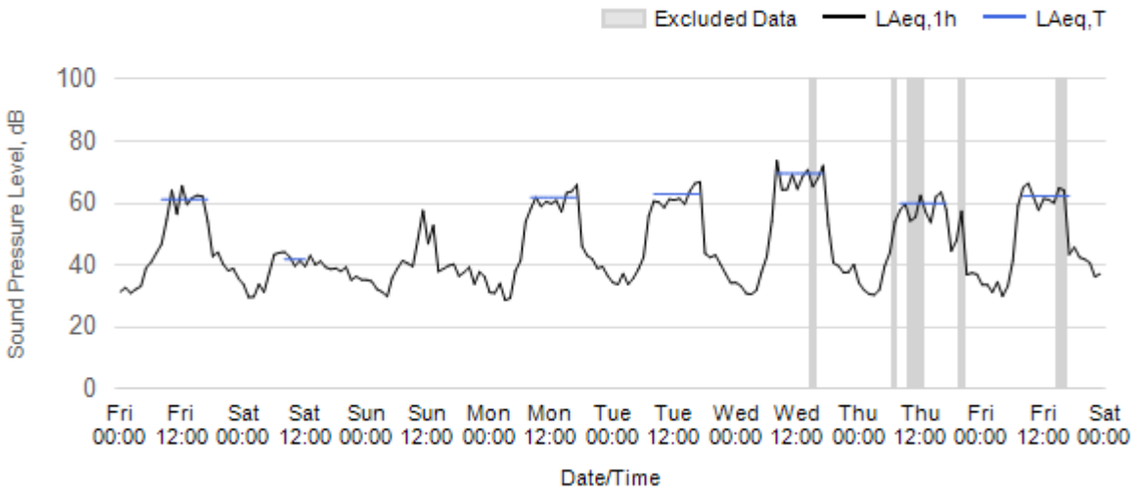
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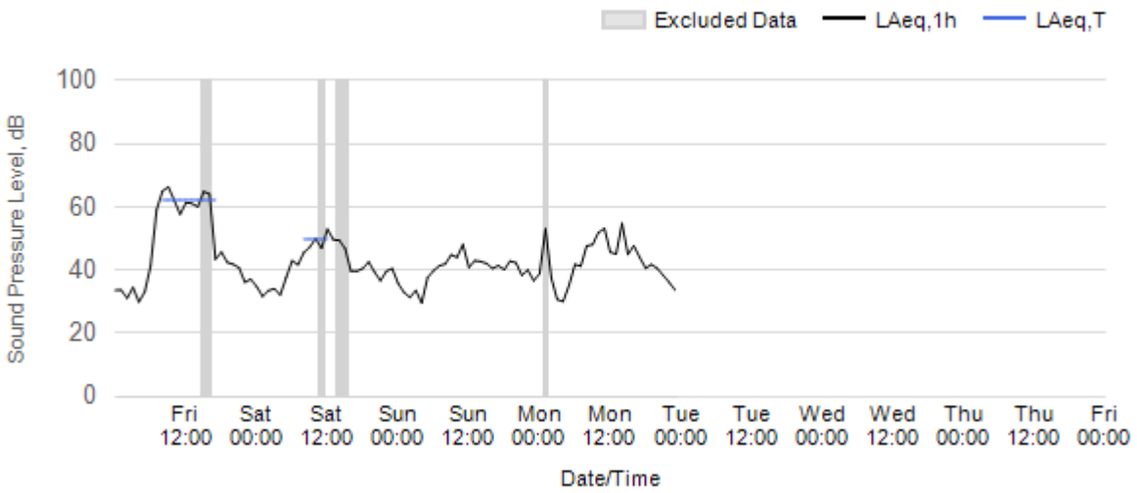
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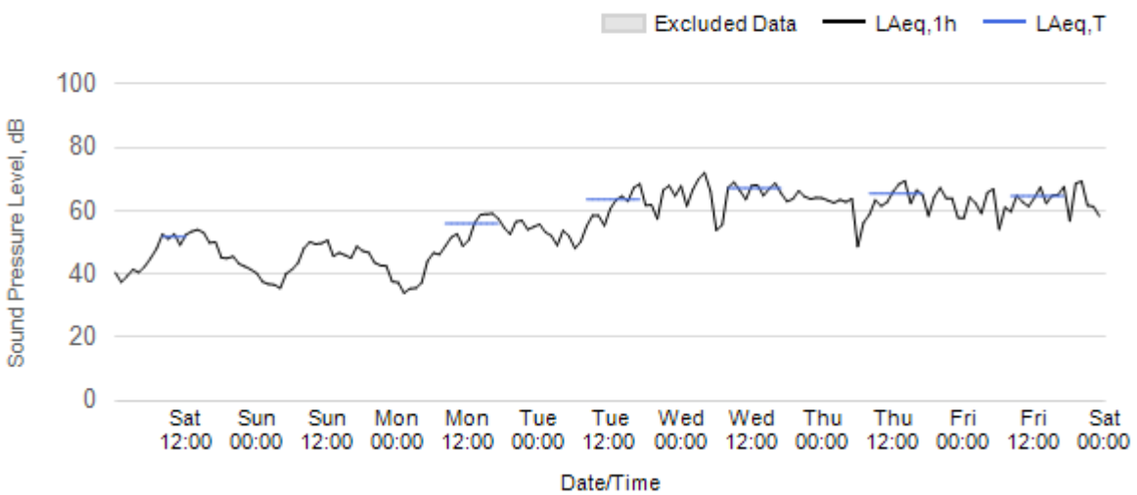


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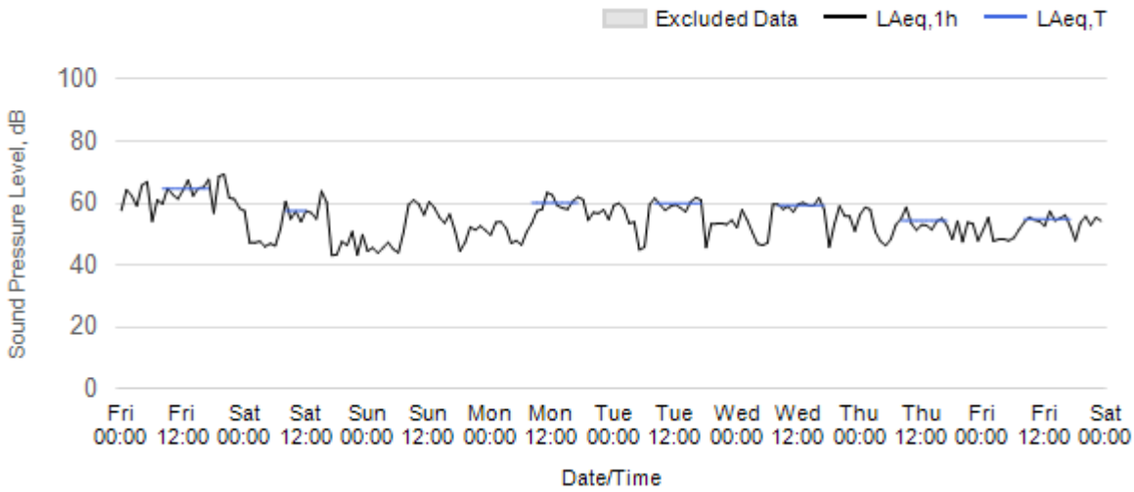


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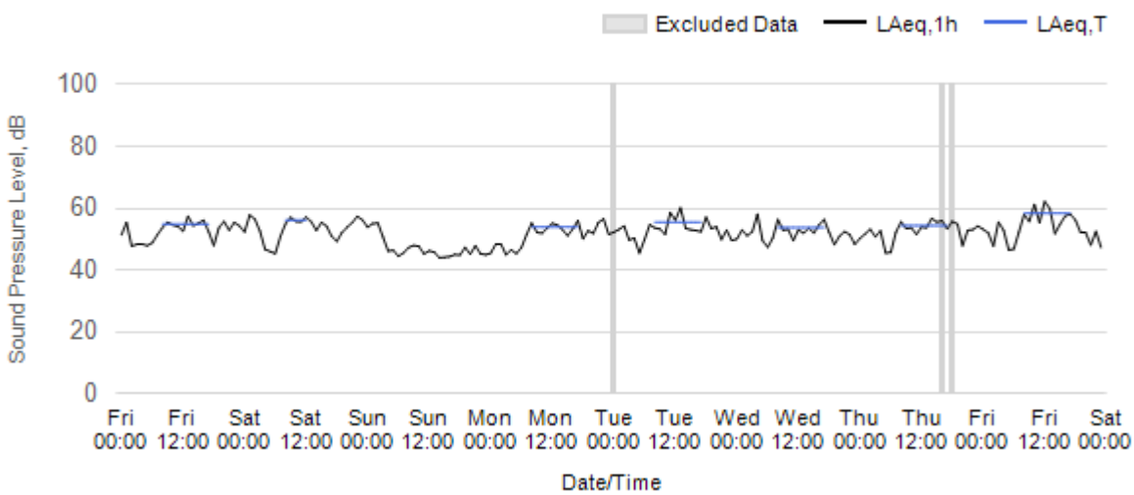
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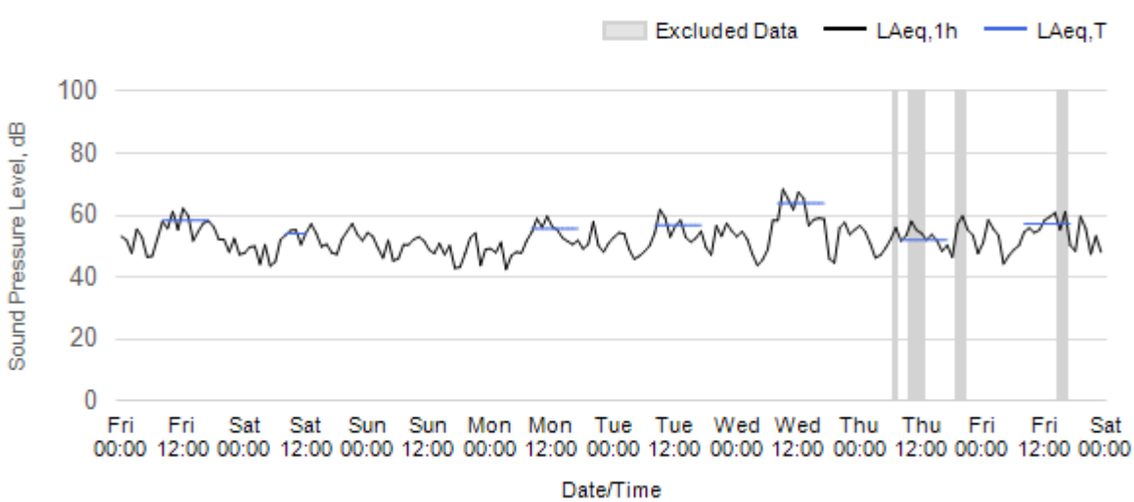
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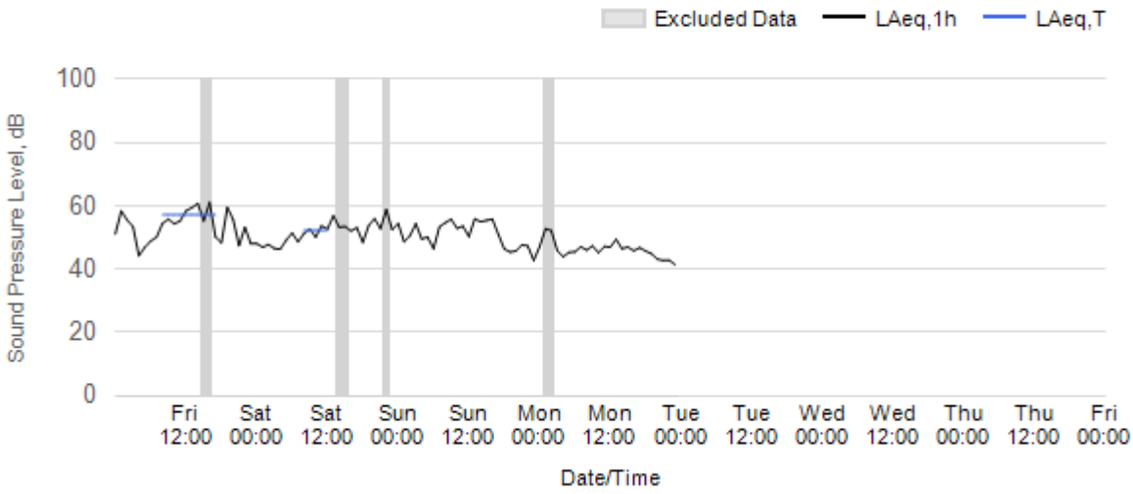
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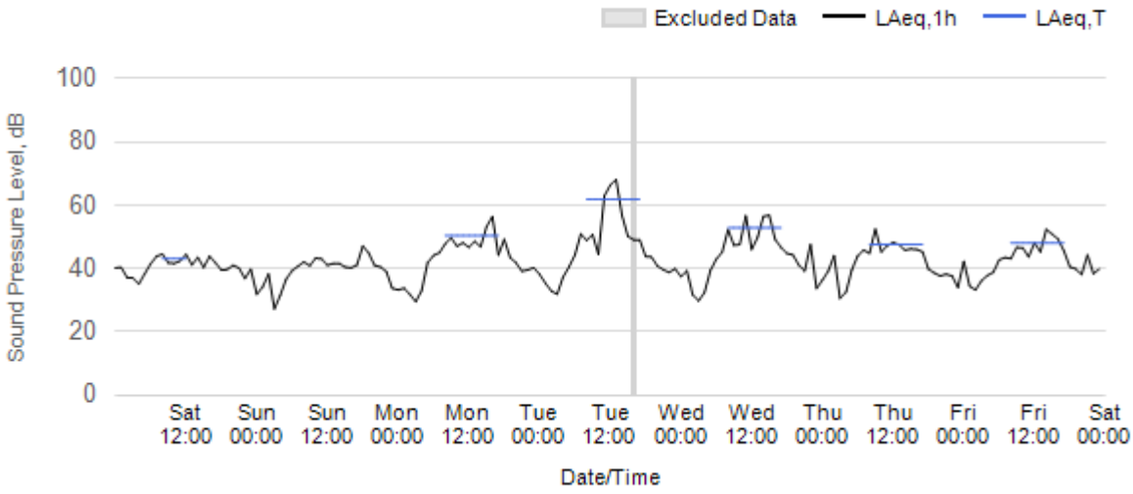


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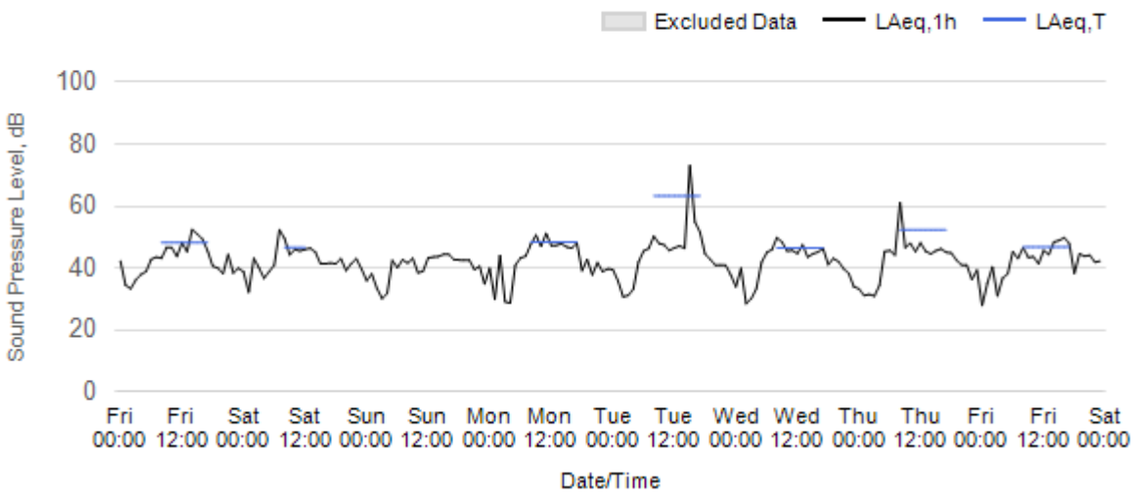


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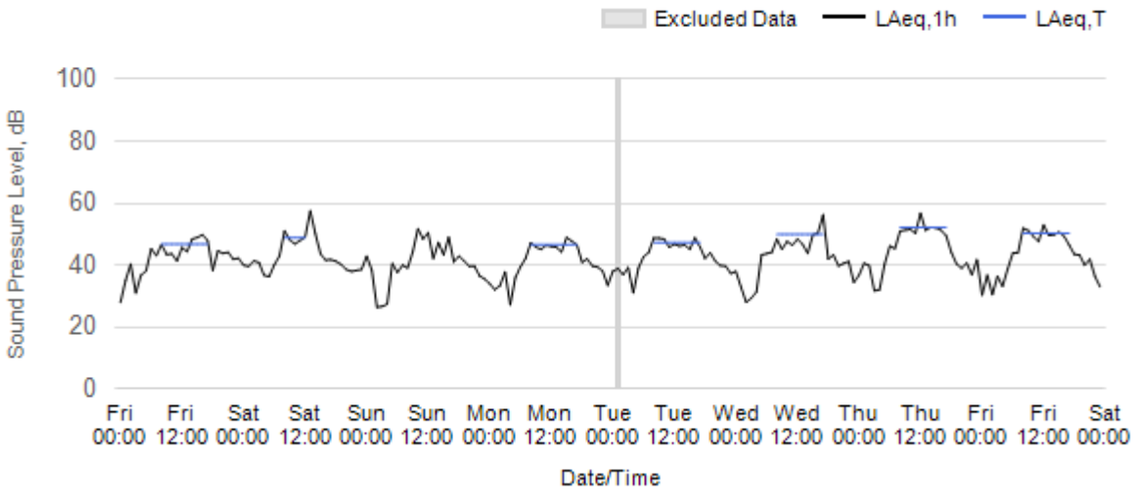
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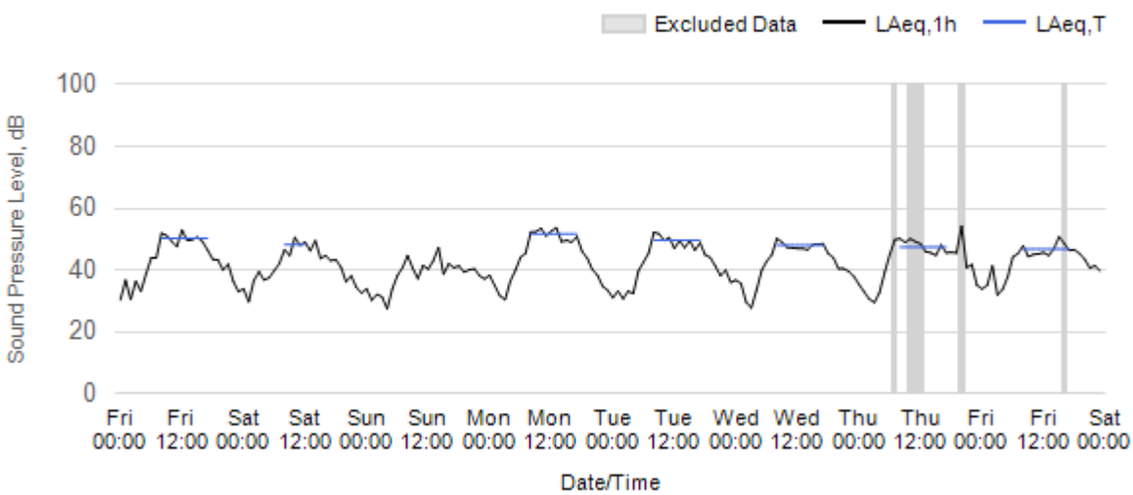
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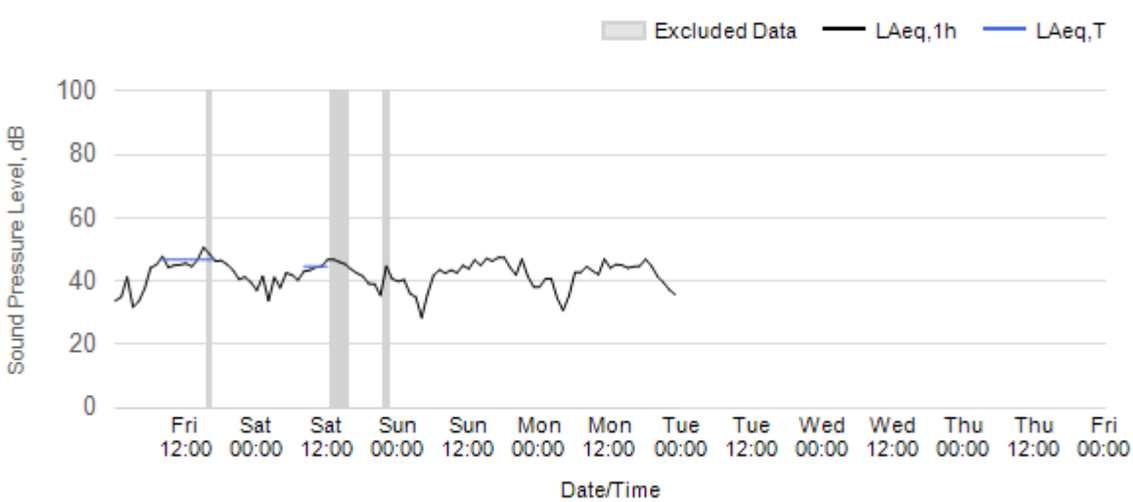
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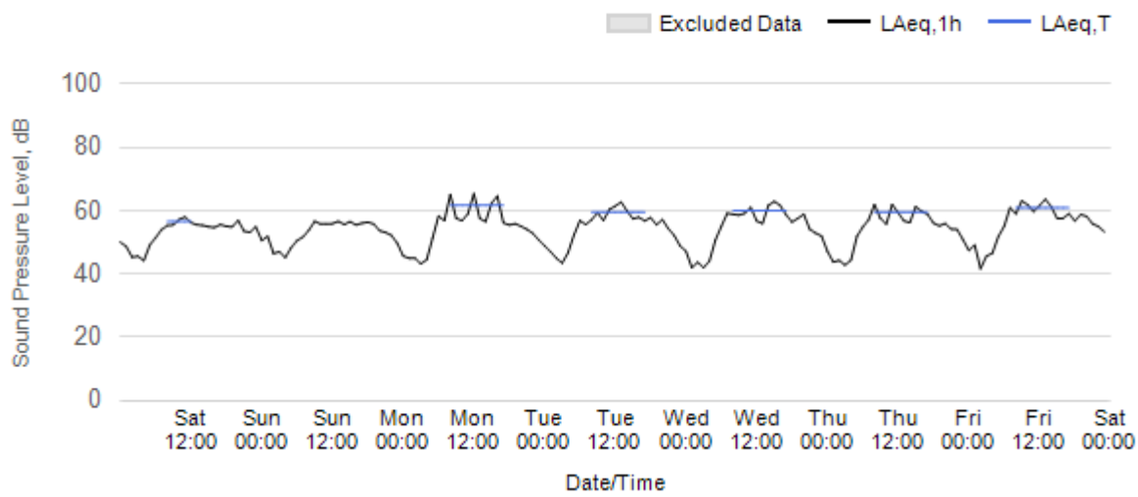


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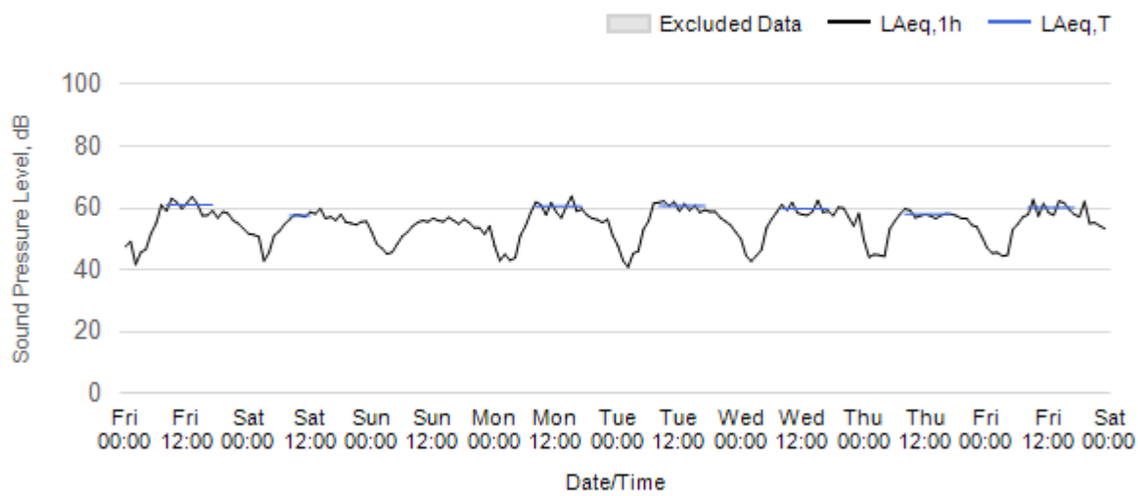


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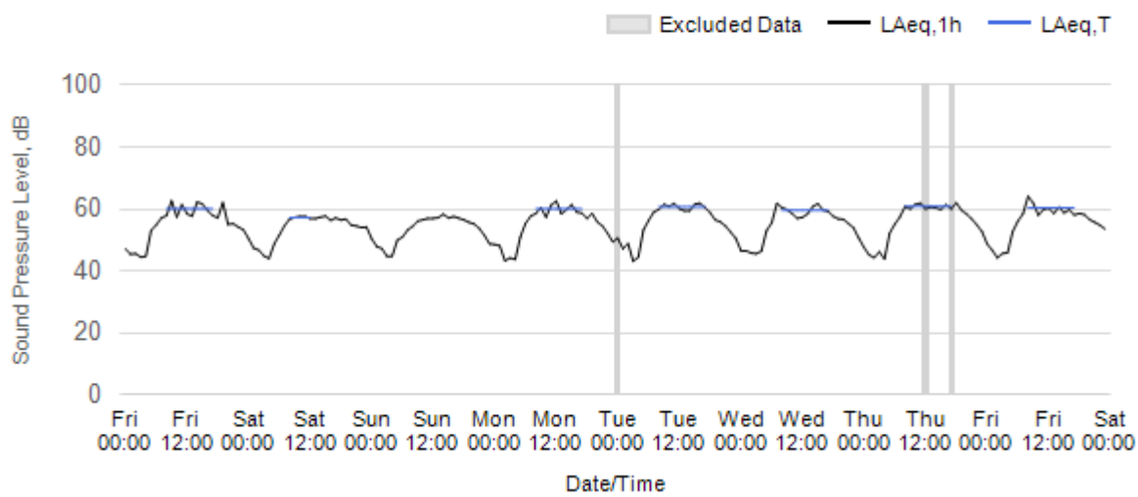
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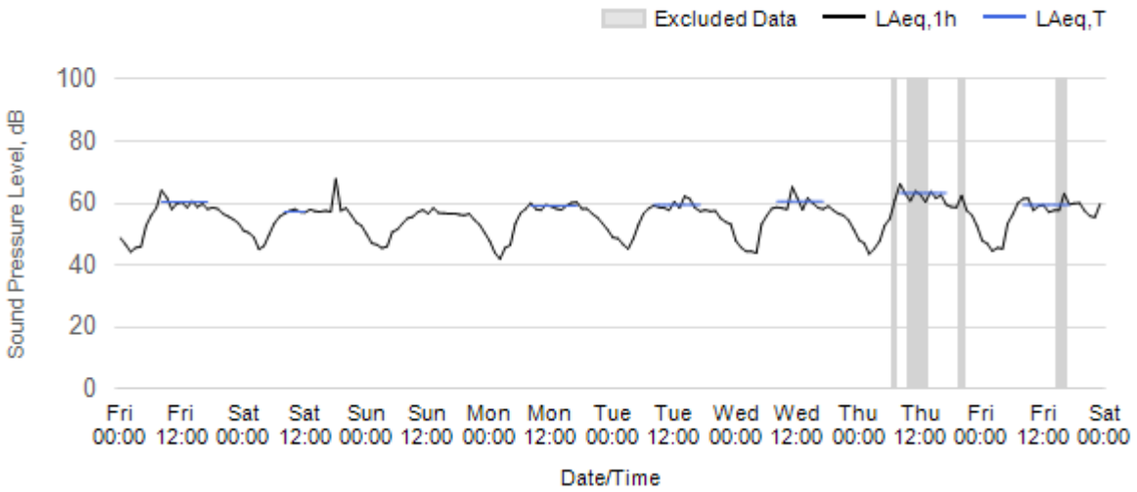
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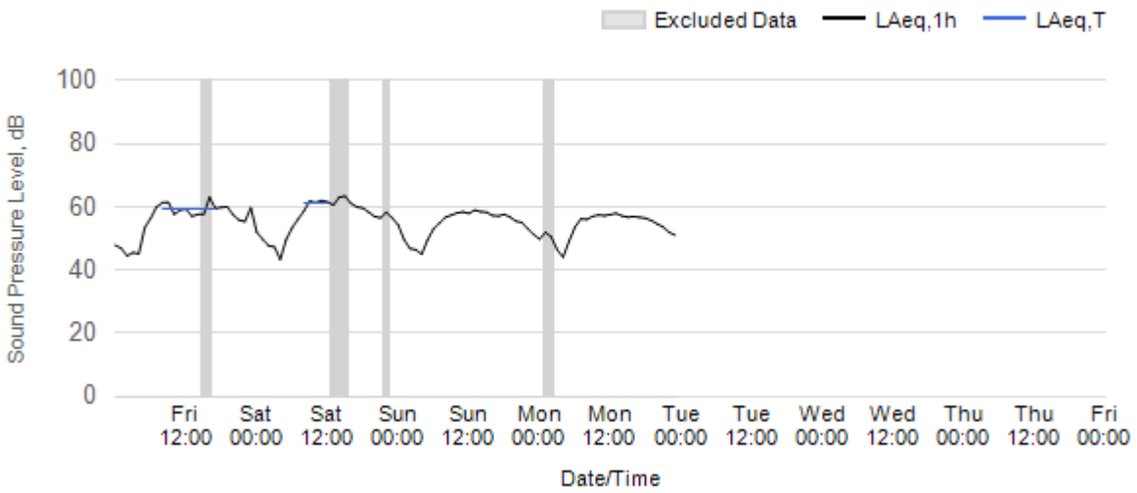
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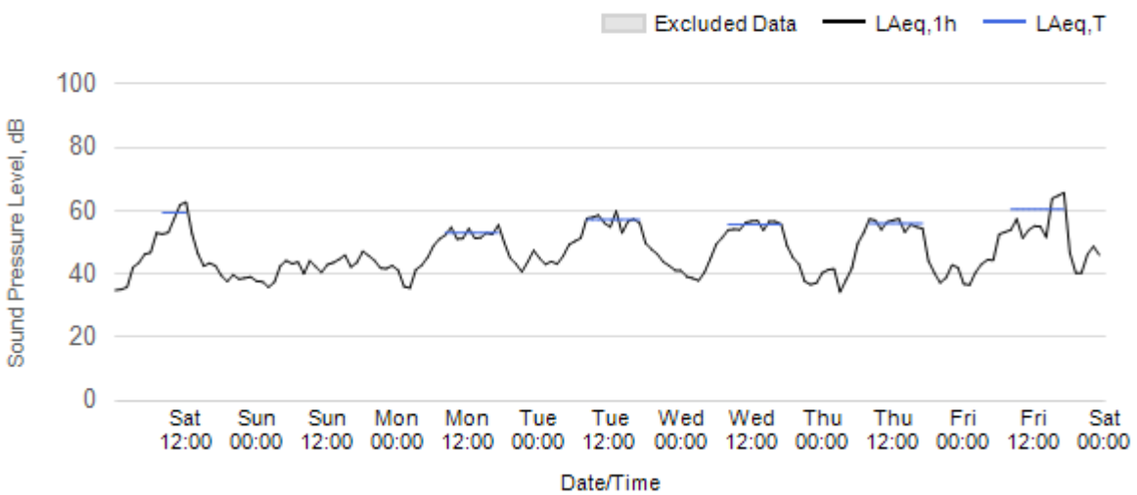


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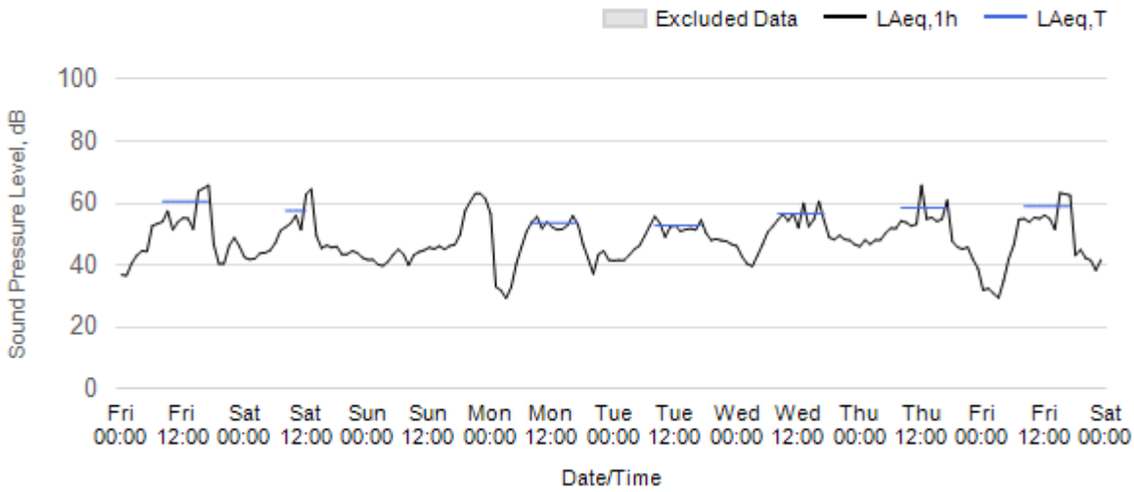


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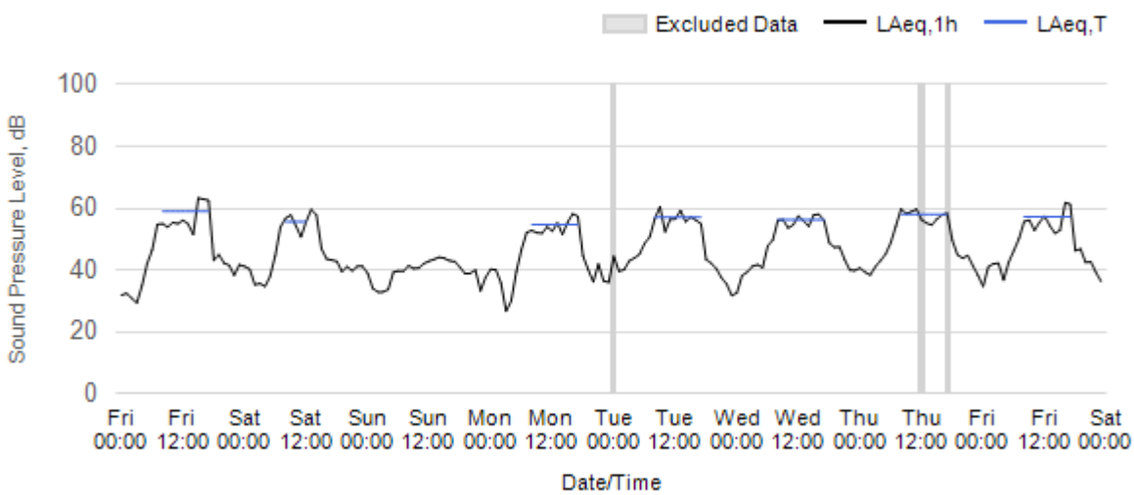
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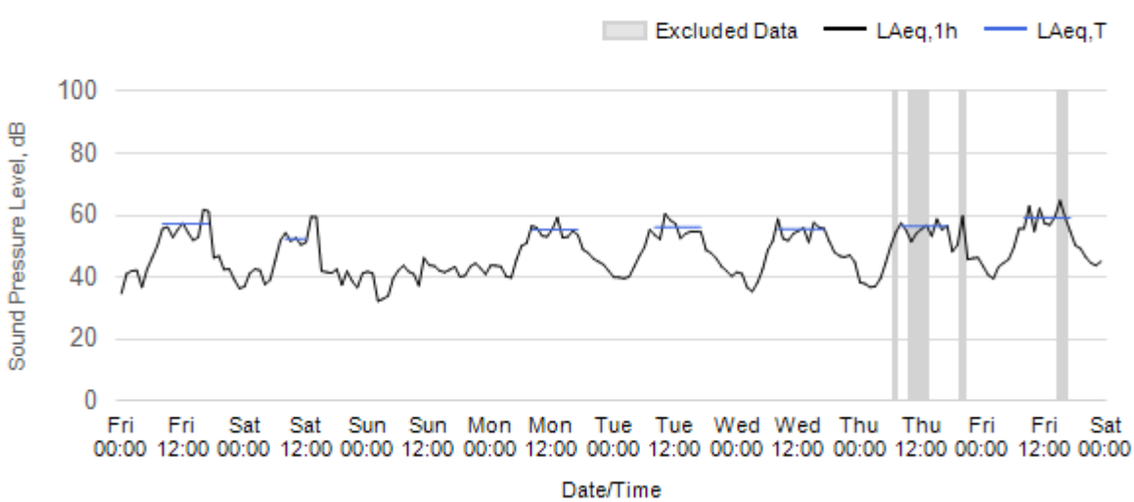
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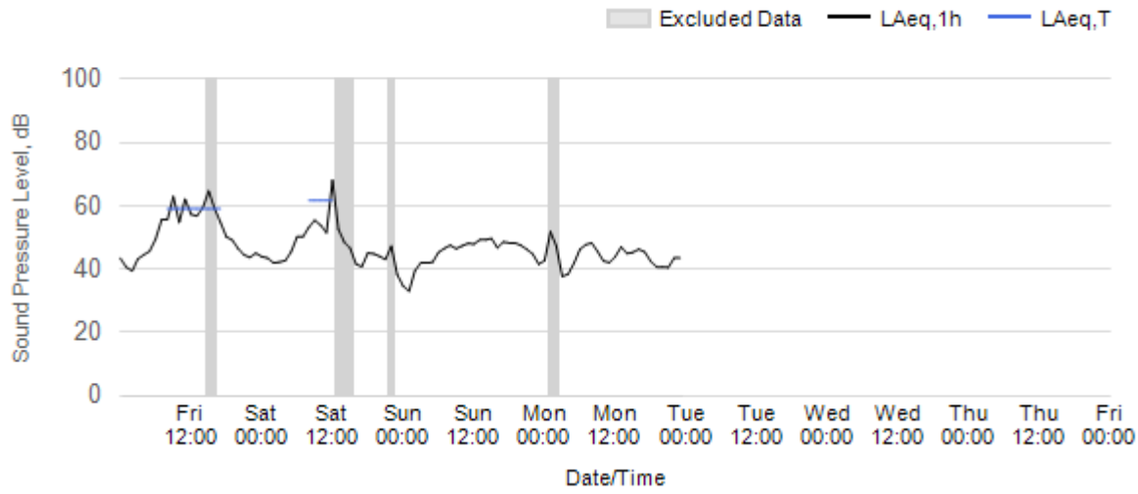
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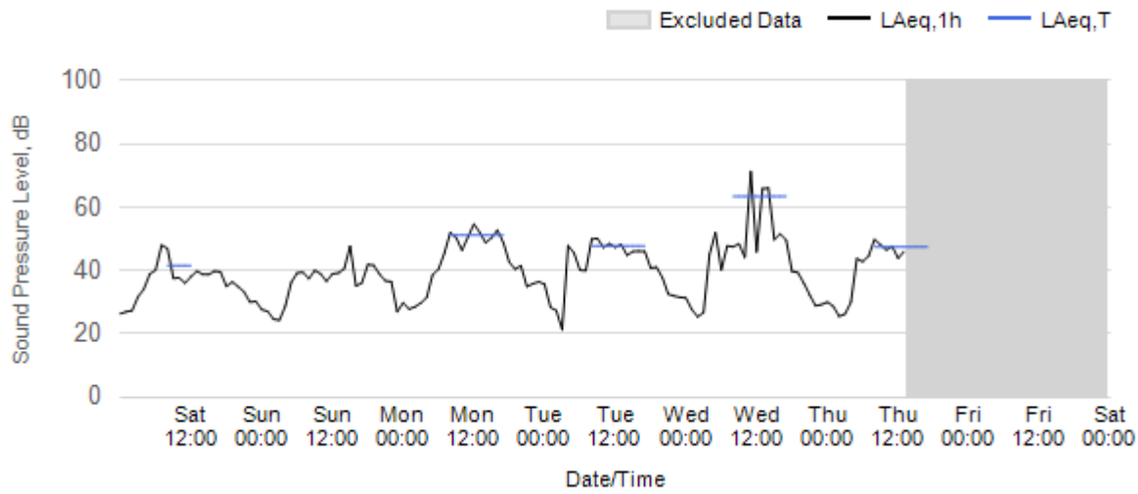


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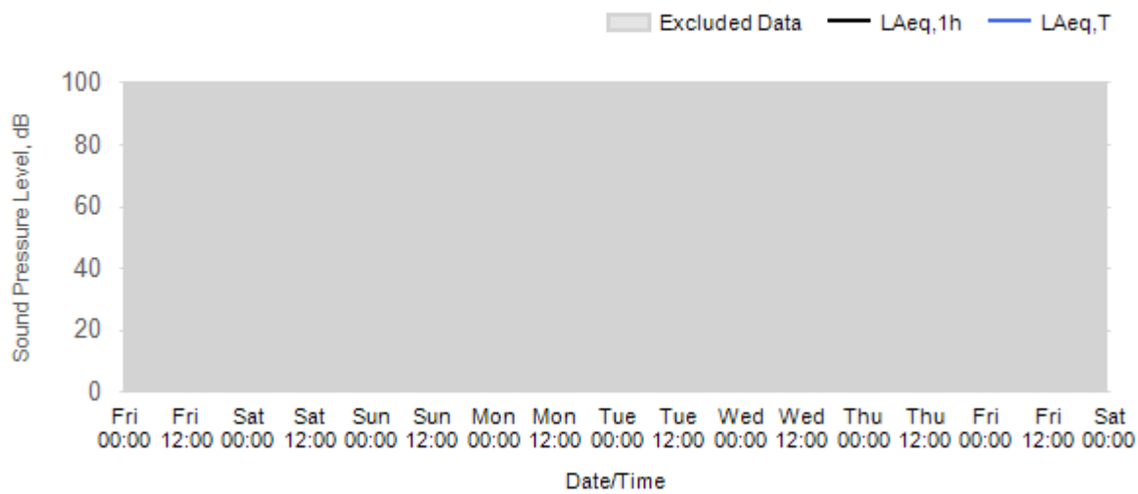
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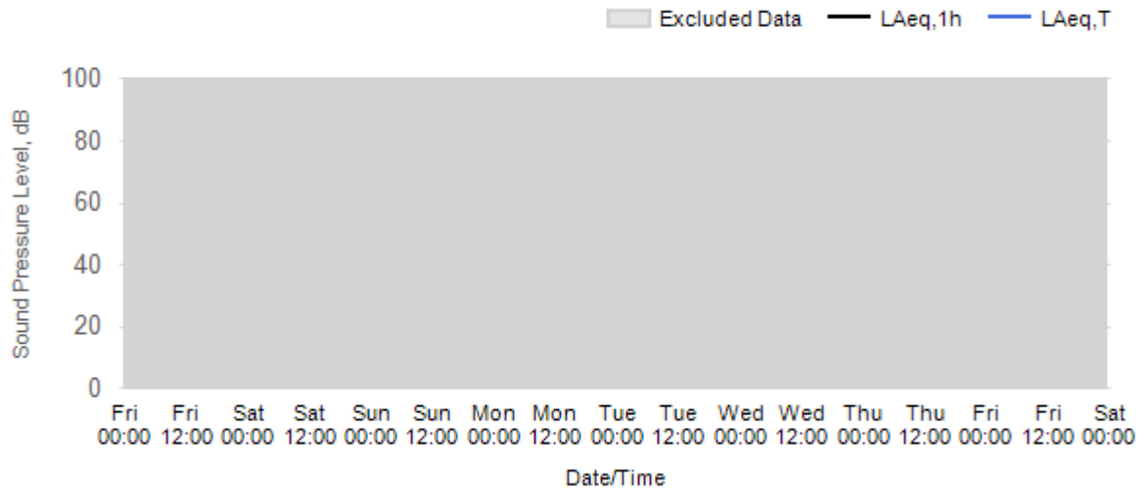
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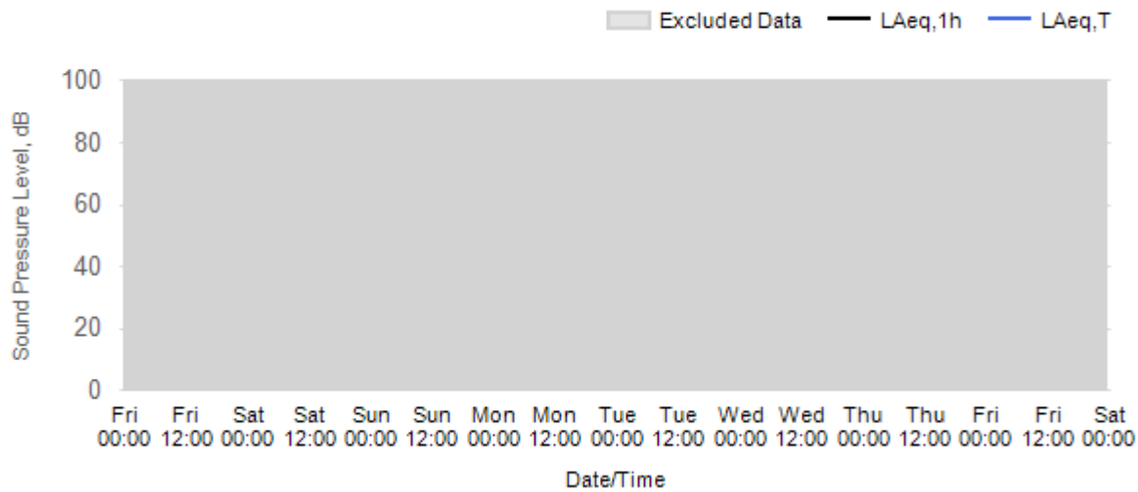
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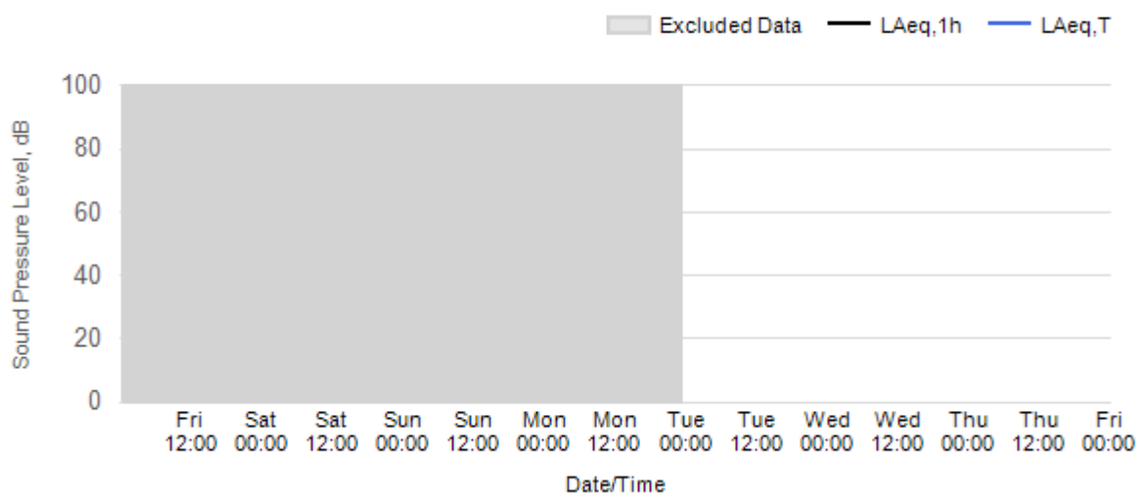
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Note: Monitoring location was decommissioned and removed from site

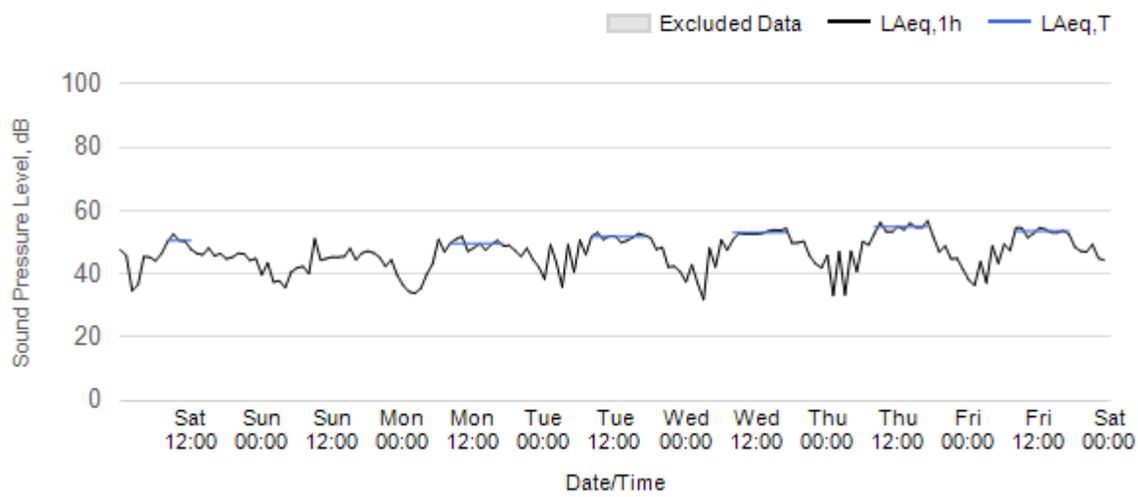
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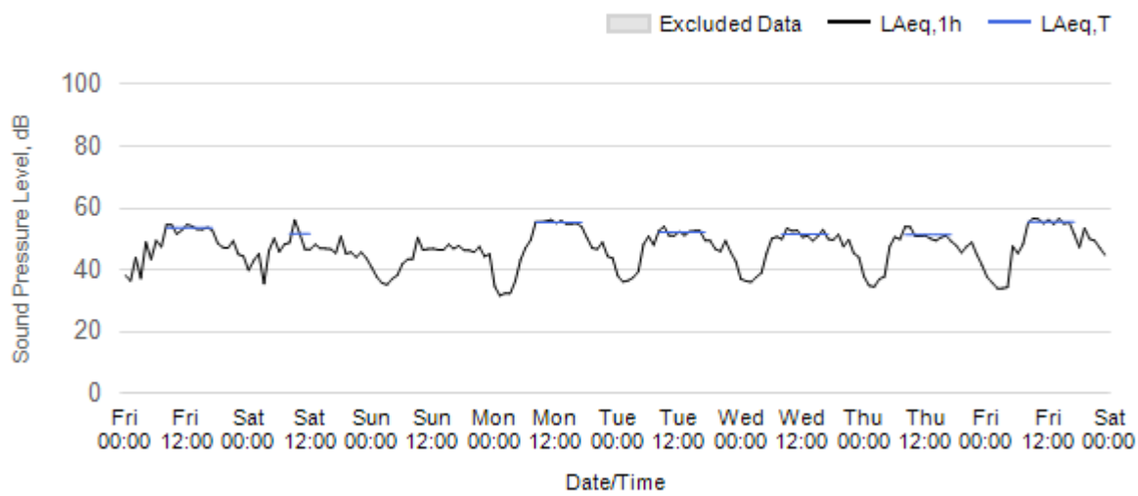
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Worksite: A429 - Monitoring Ref: A429-N2

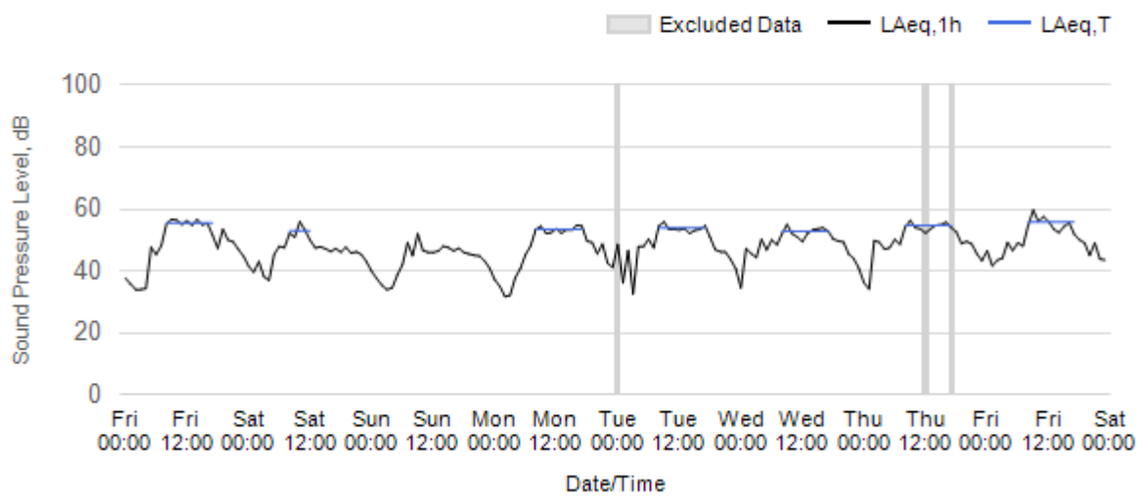
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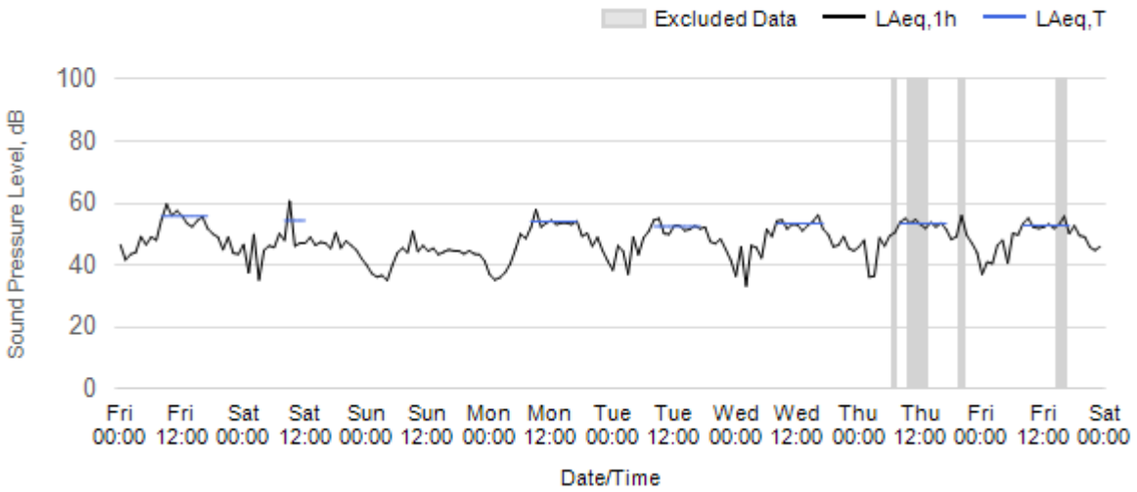
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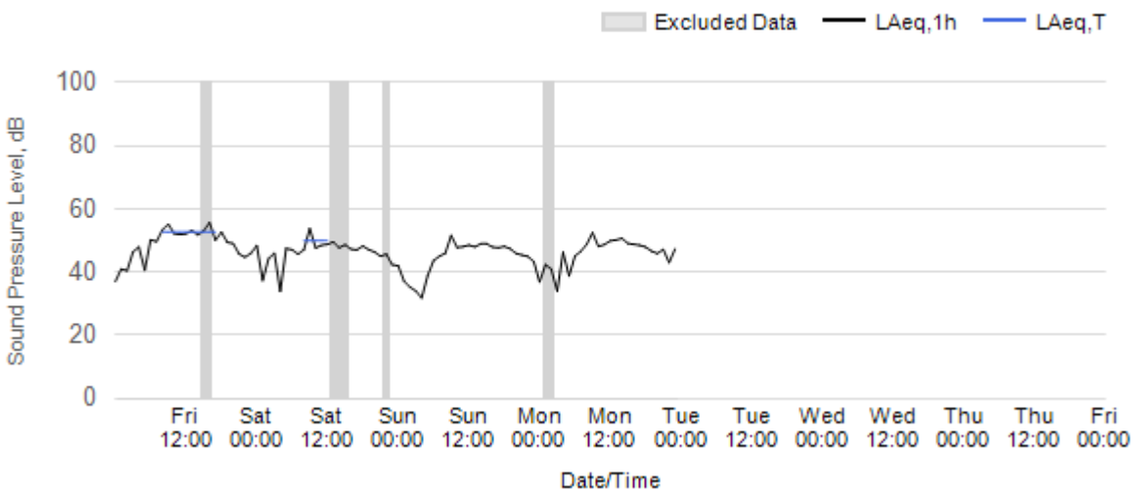
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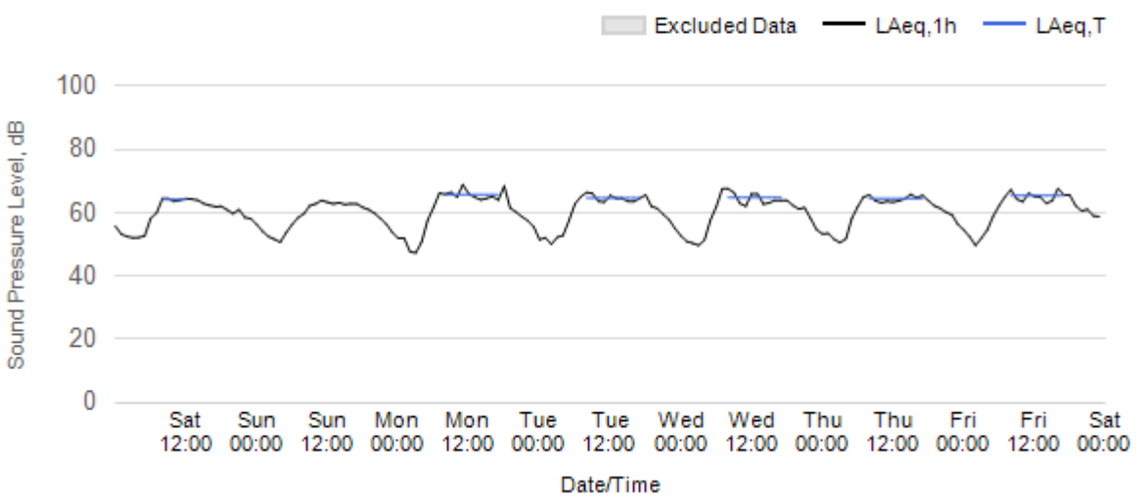


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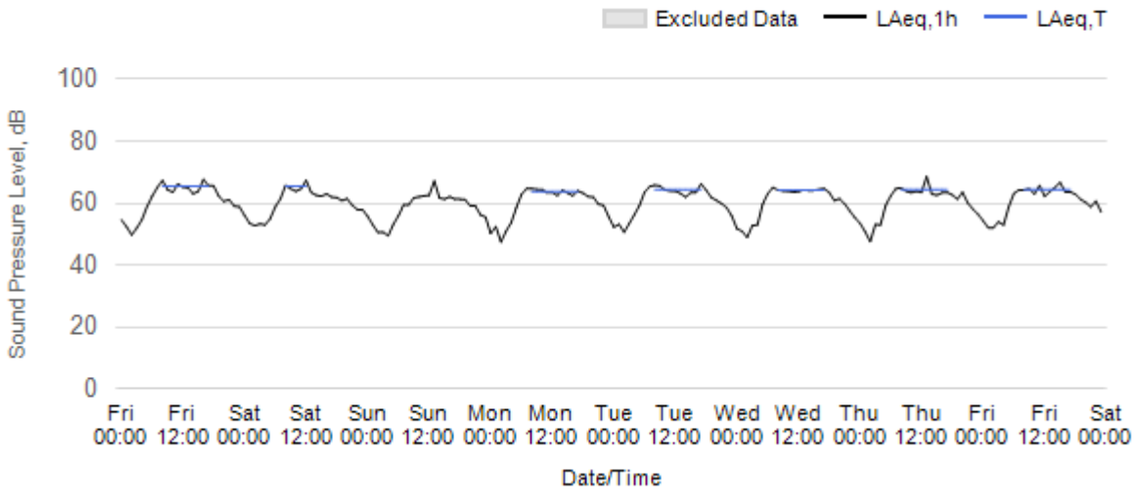


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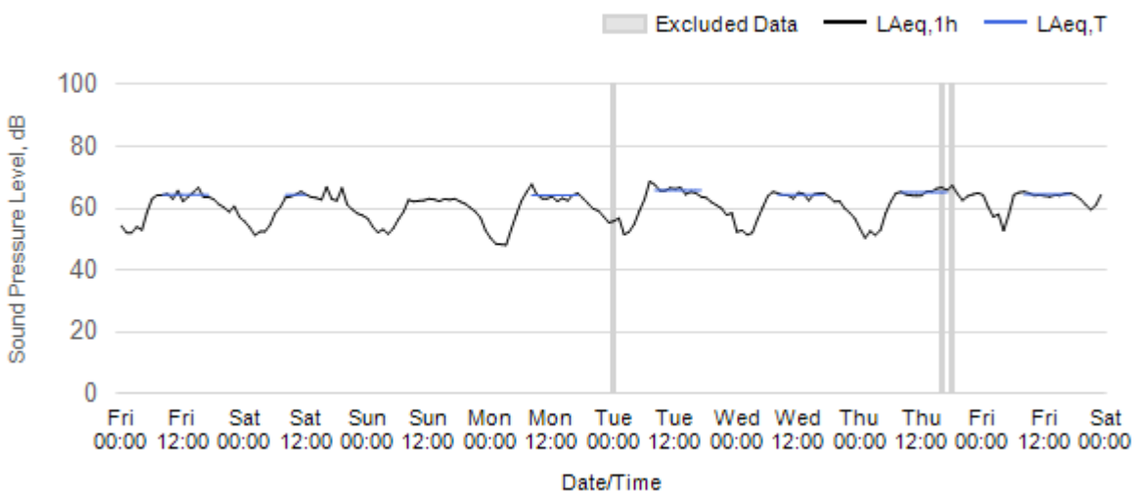
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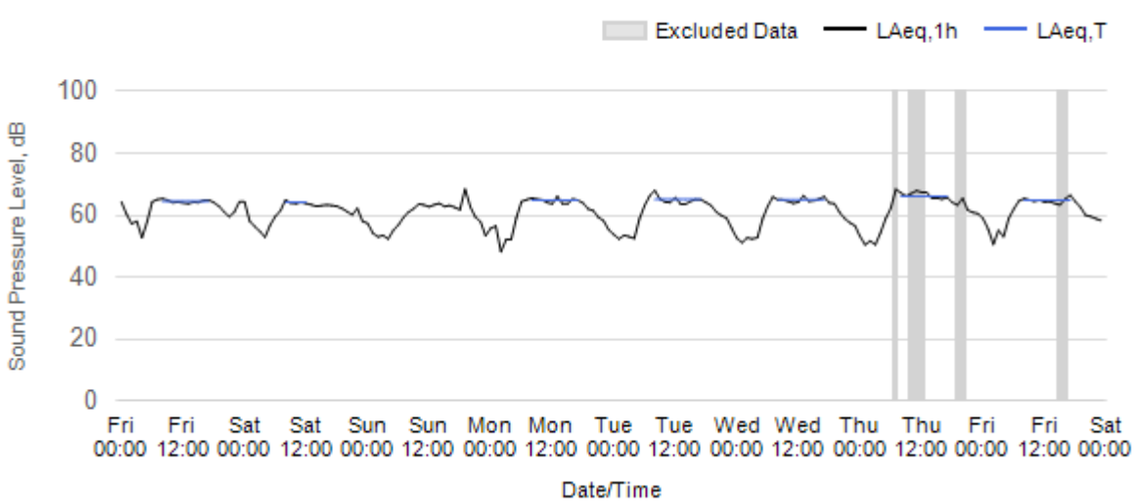
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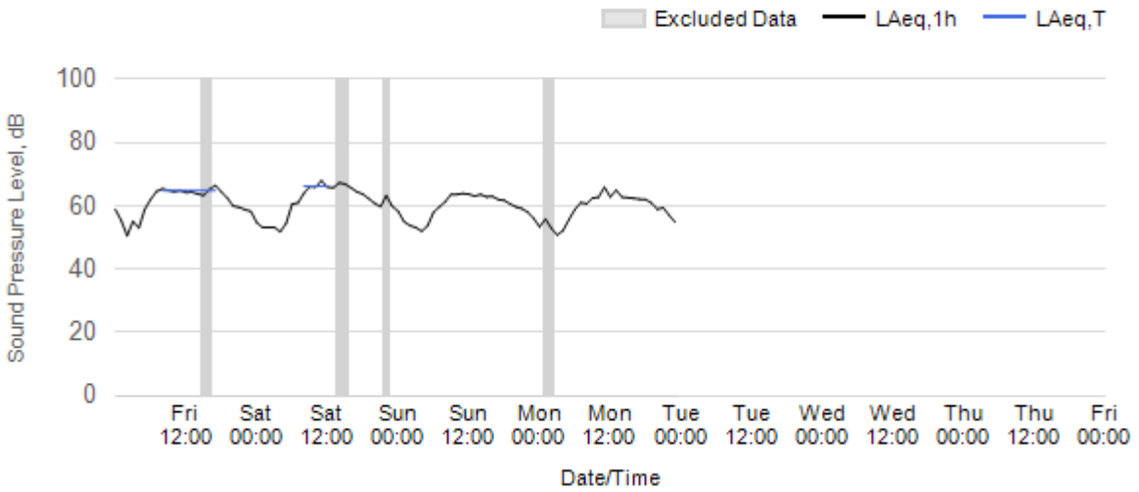
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Worksite: C Monitoring Ref: C-N2 22 August 2026 to 28 August 2026



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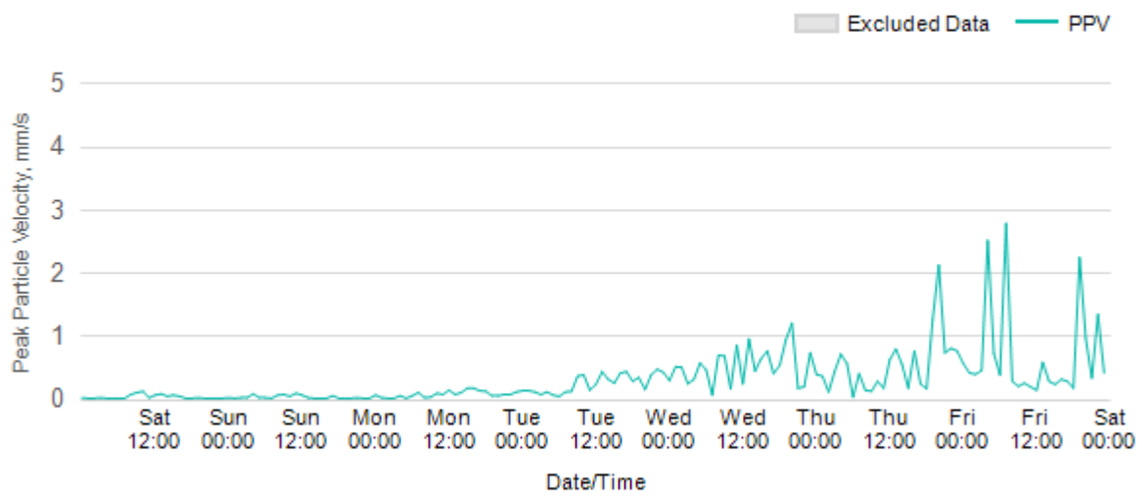


Vibration

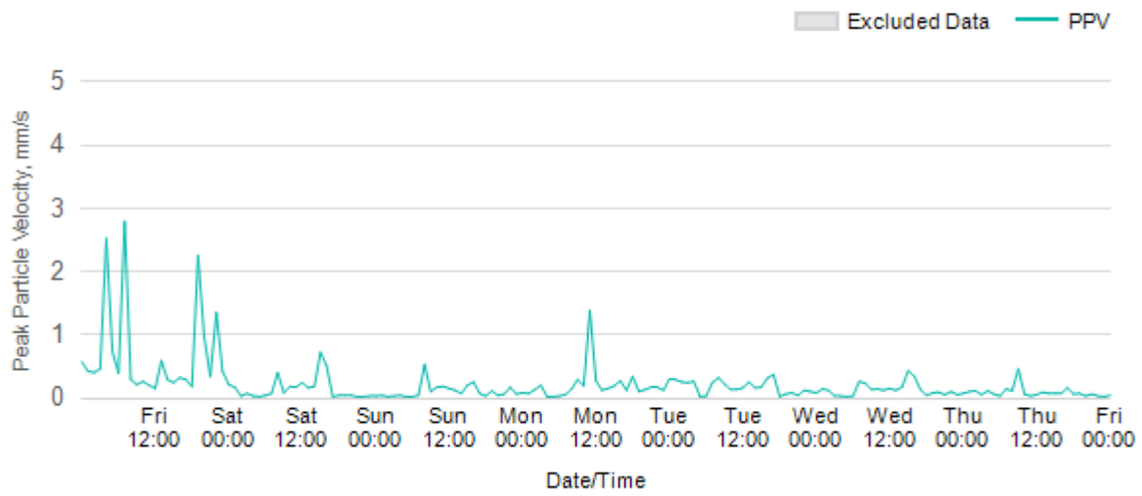
The following graphs show the hourly measured peak particle velocity PPV recorded during the monitoring period. The graphs show the resultant PPV due to vibration components on three orthogonal axis x, y and z. Where high values of PPV were caused by local interference with the vibration monitor, which 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: SP - Monitoring Ref: SP-V1

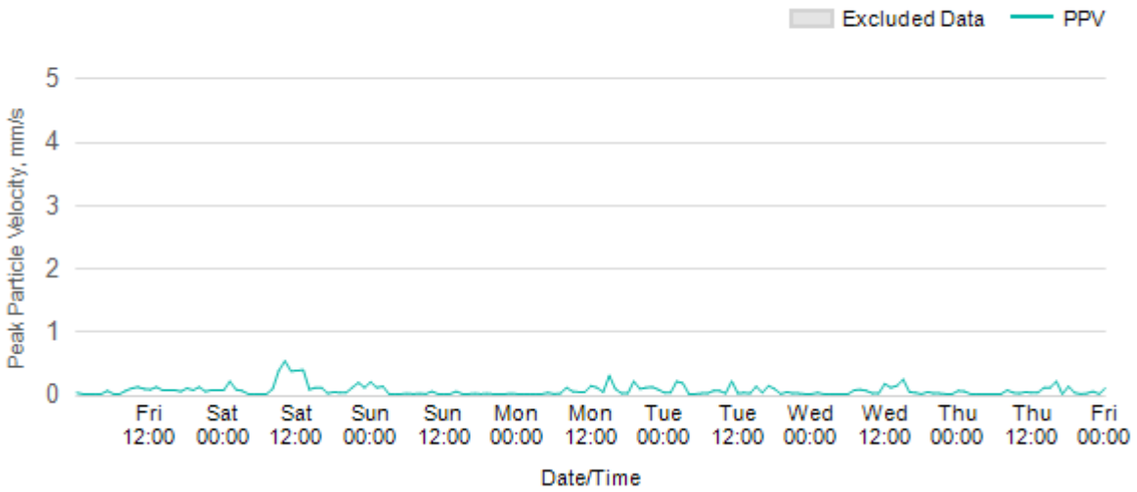
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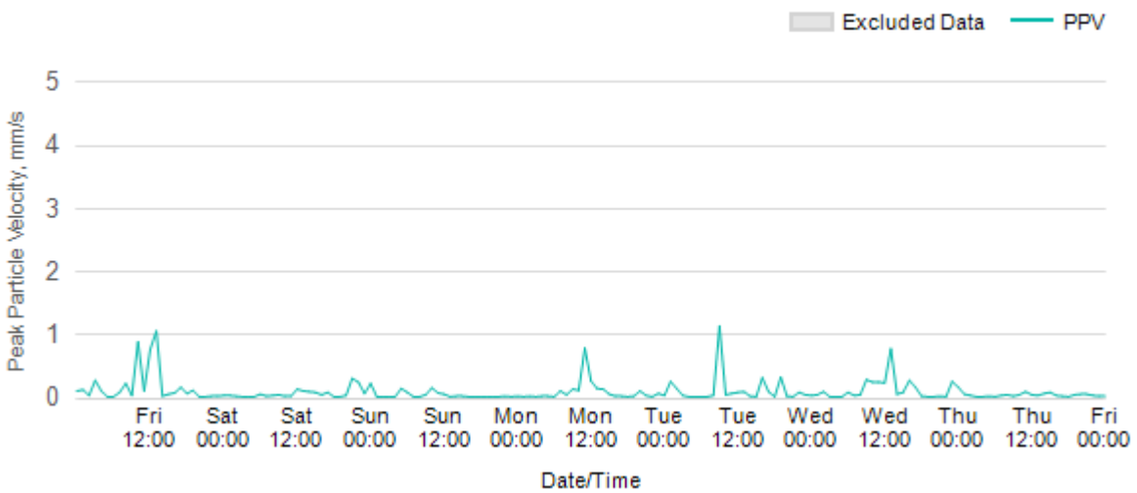
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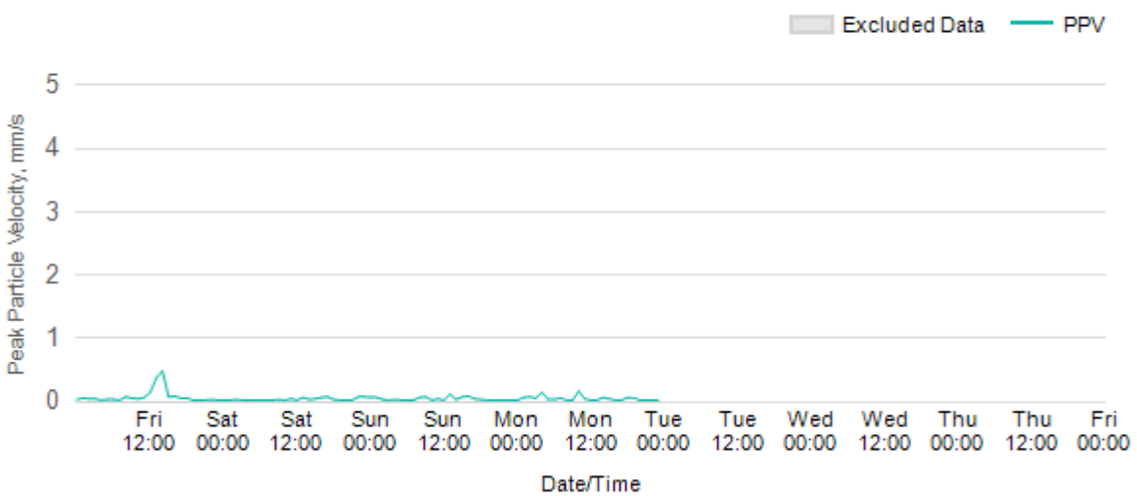
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Worksite: SP Monitoring Ref: SP-V1 22 August 2026 to 28 August 2026

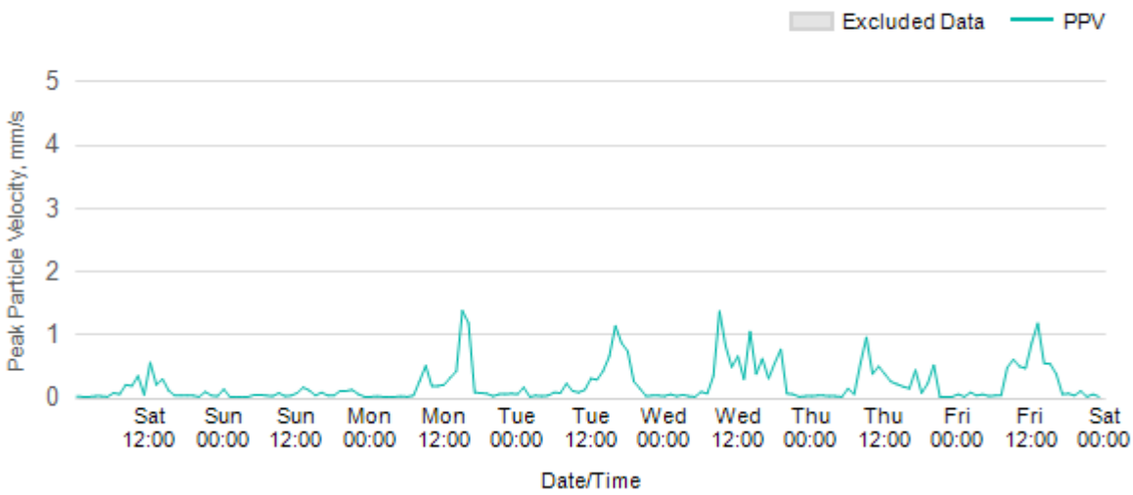


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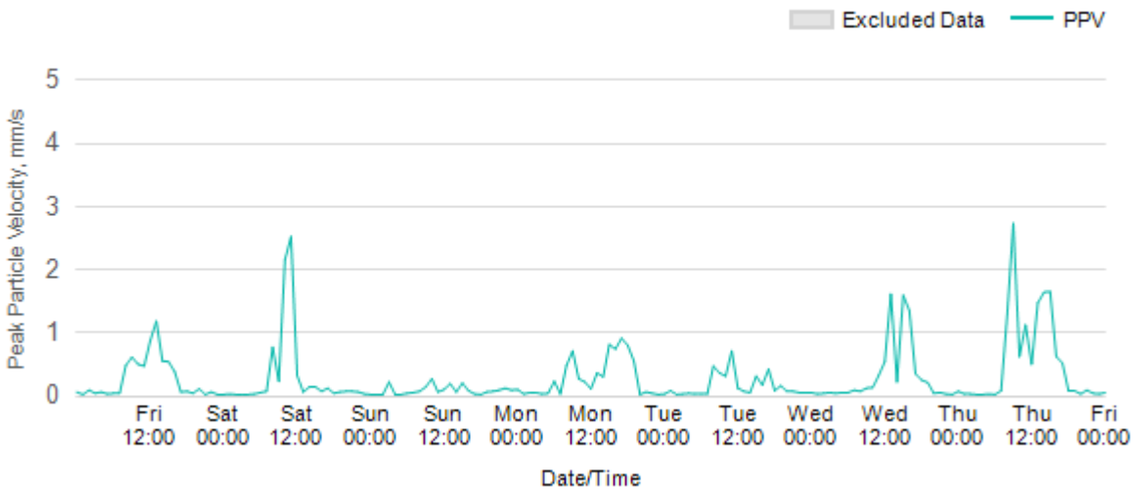


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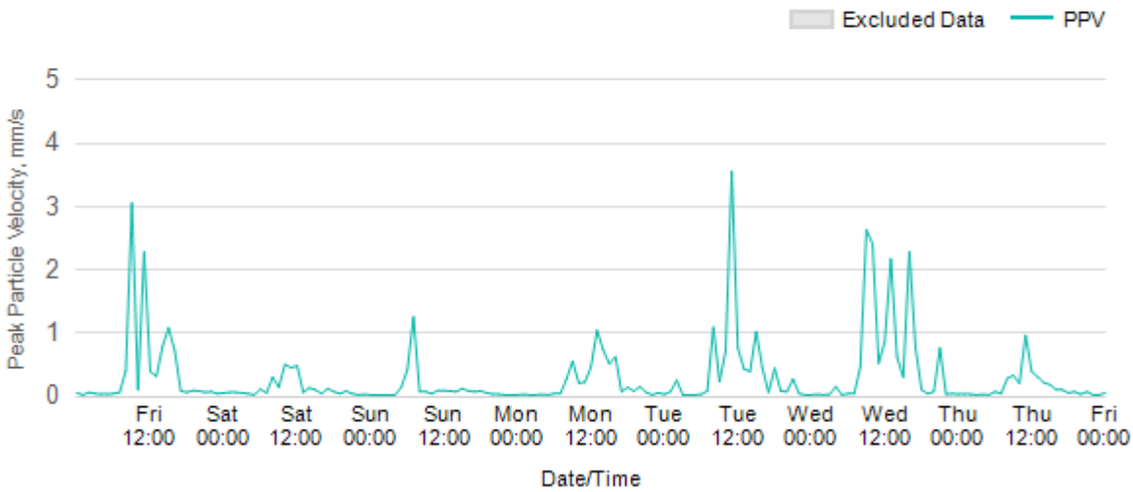
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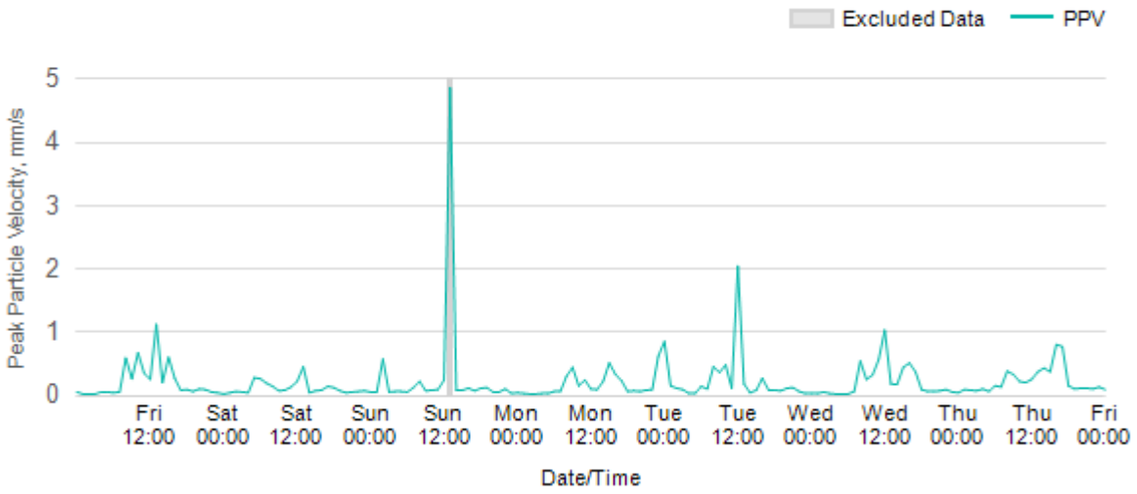
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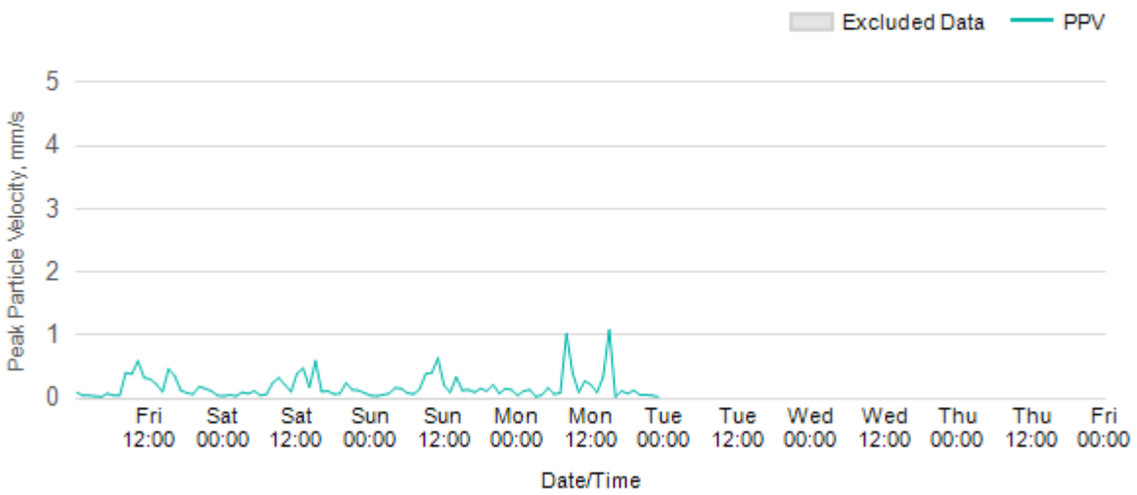
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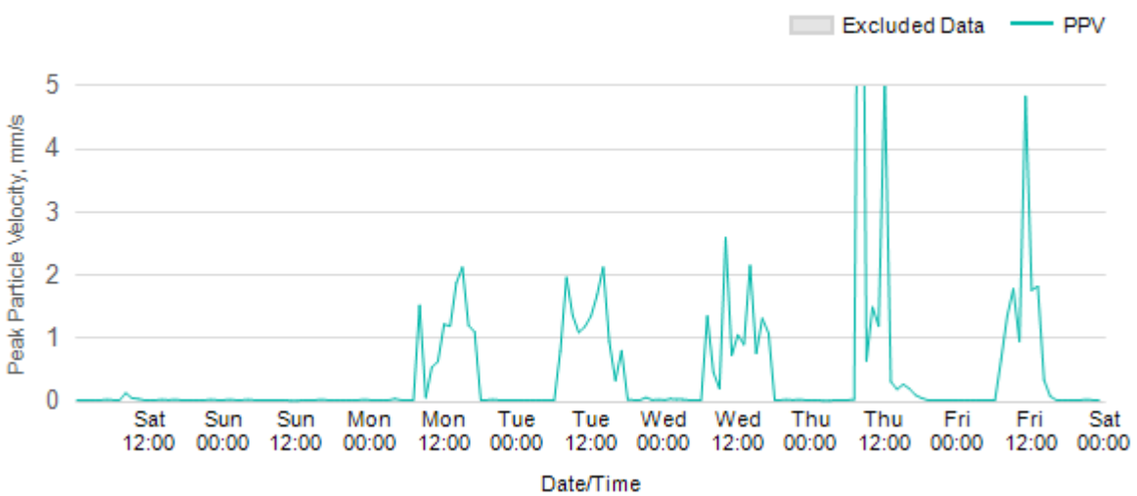


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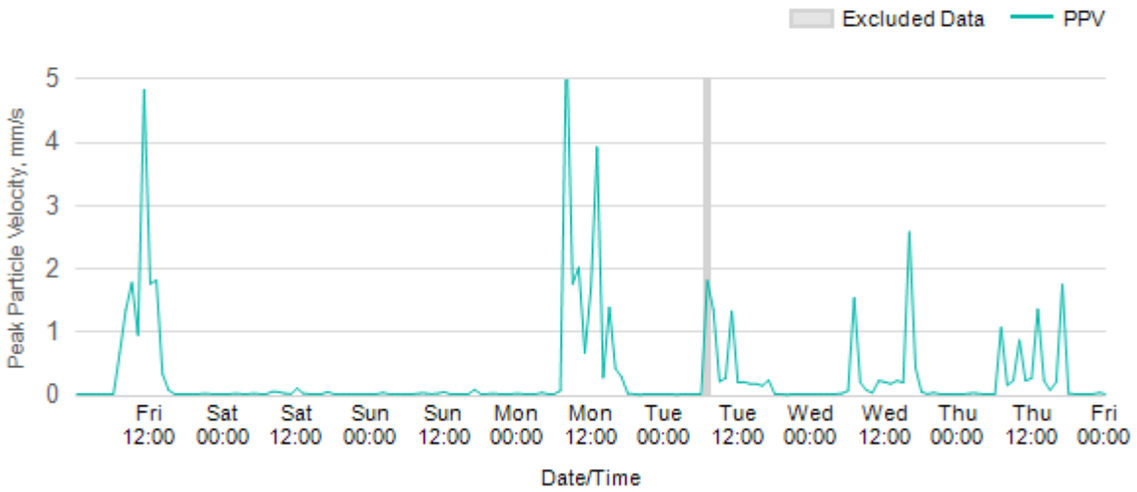


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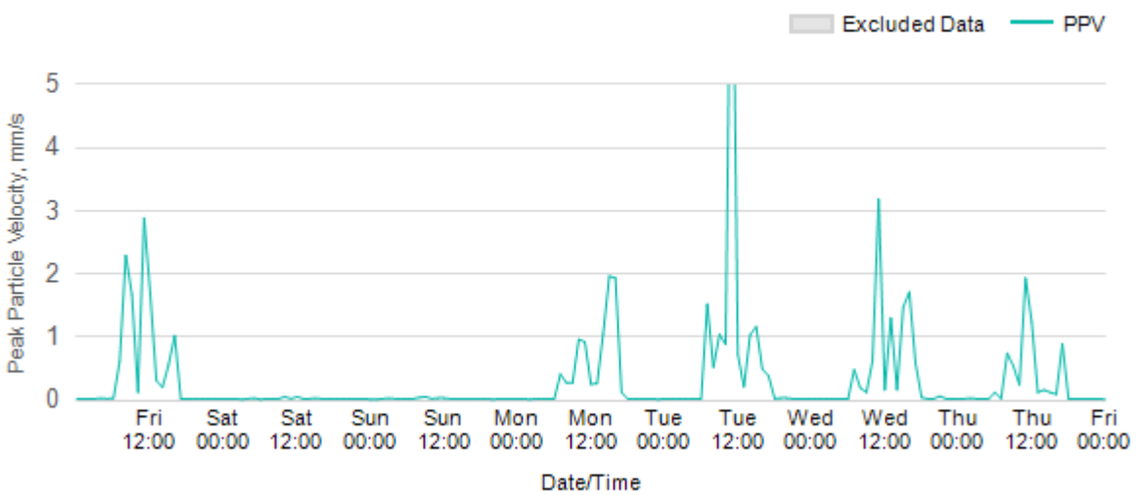
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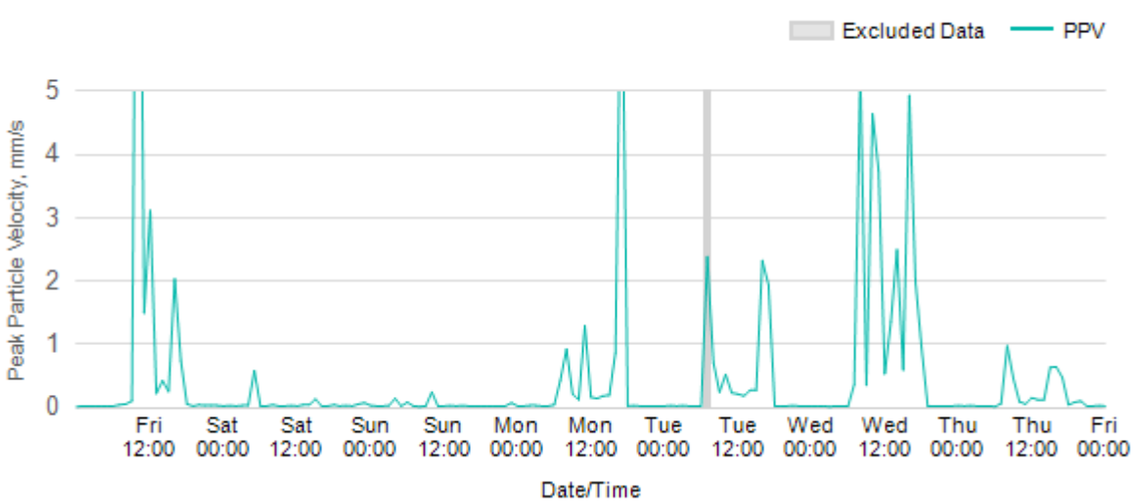
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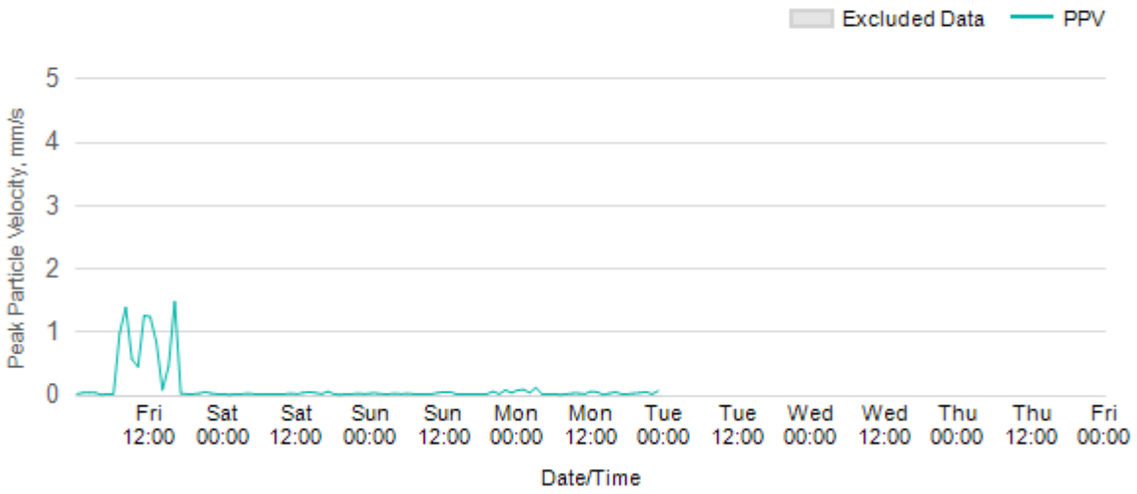
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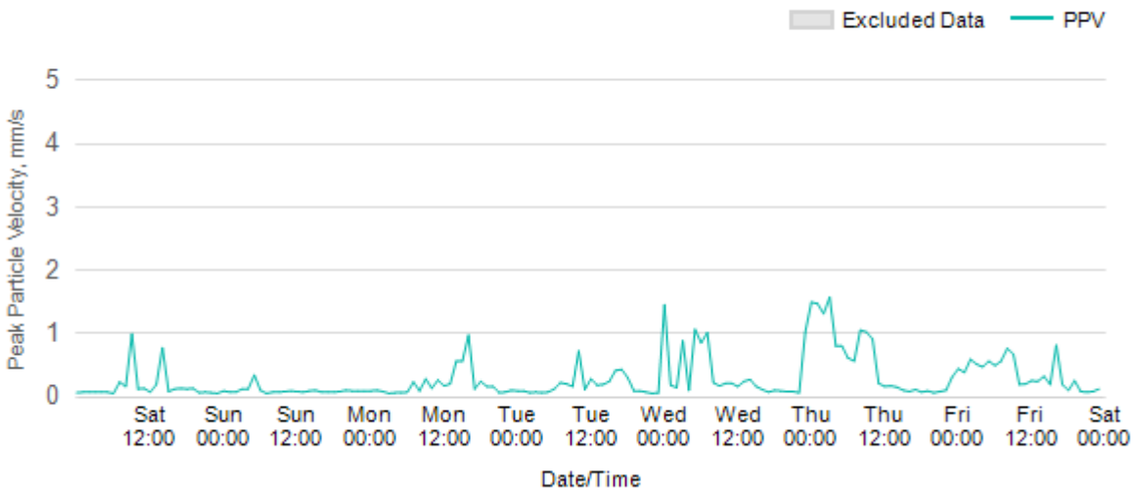


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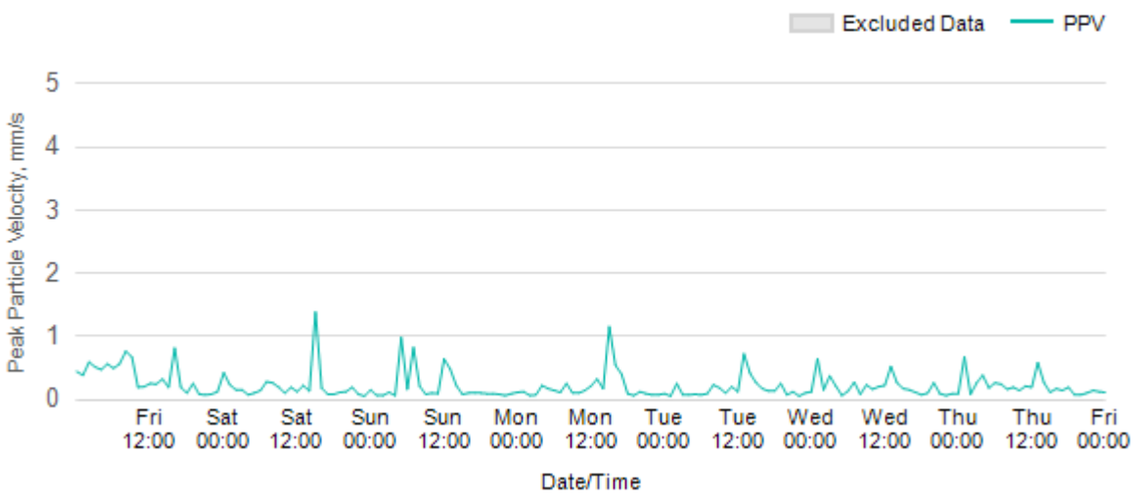


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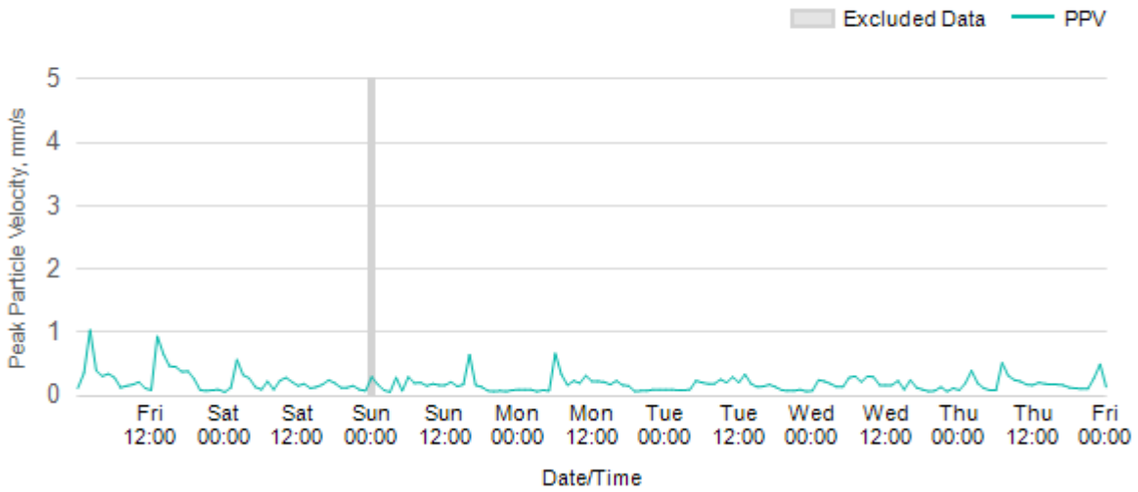
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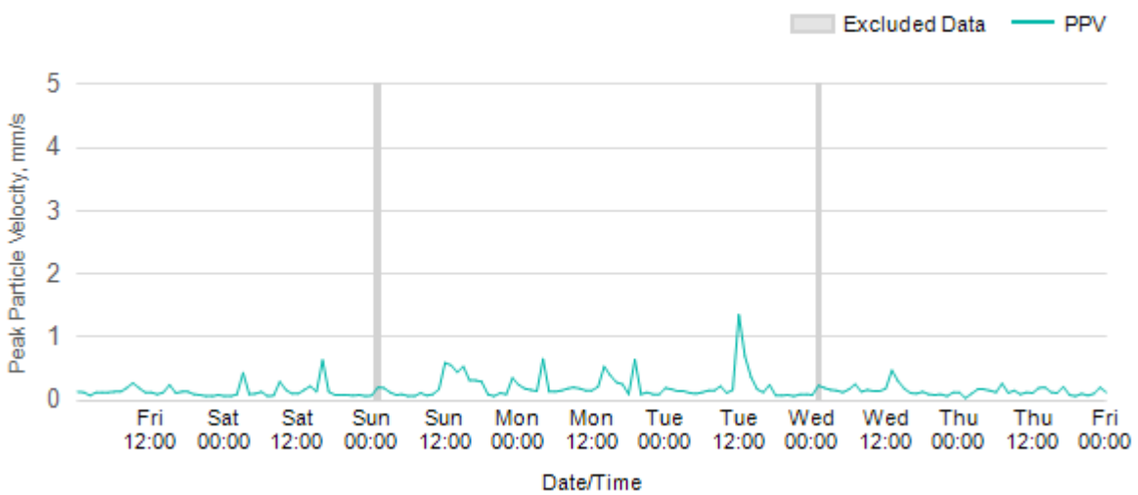
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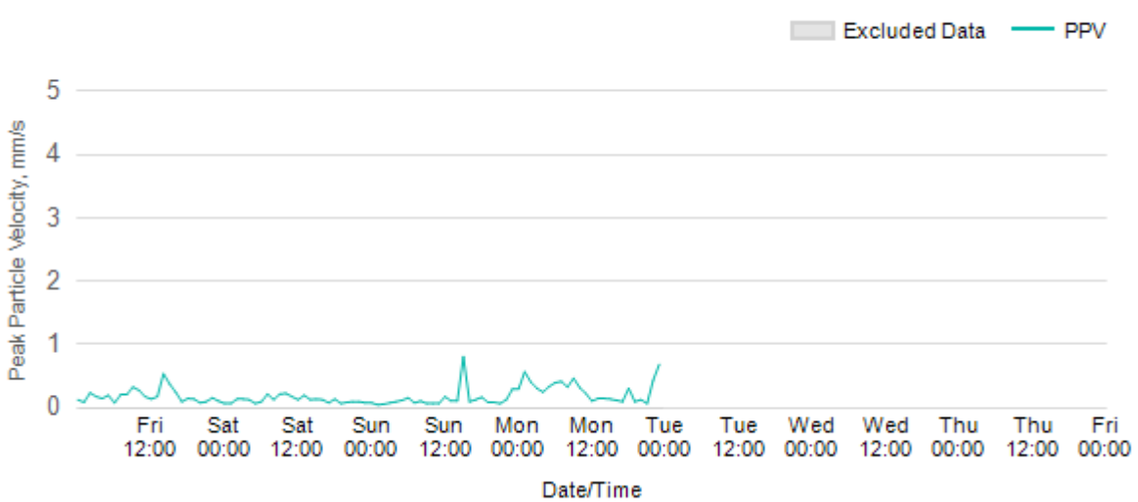
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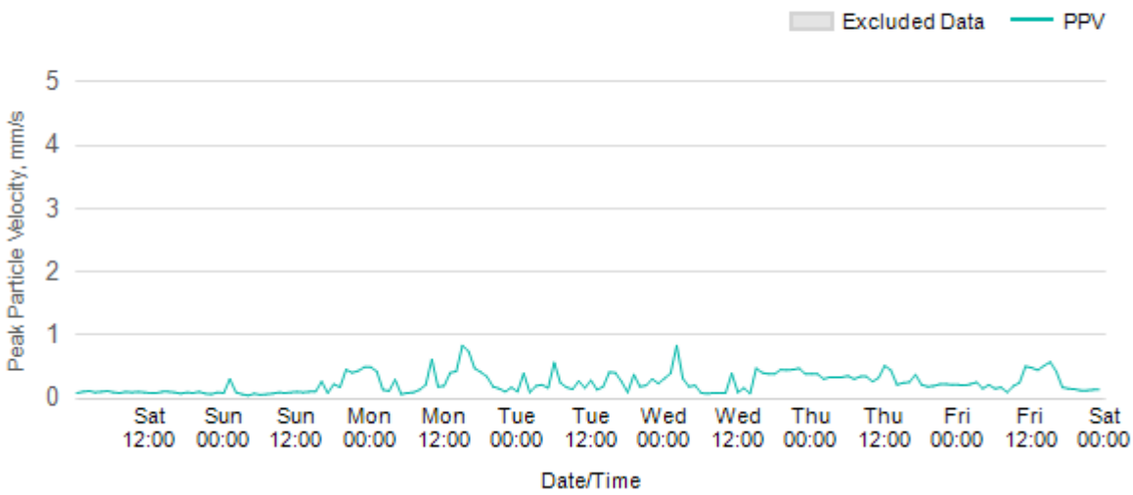


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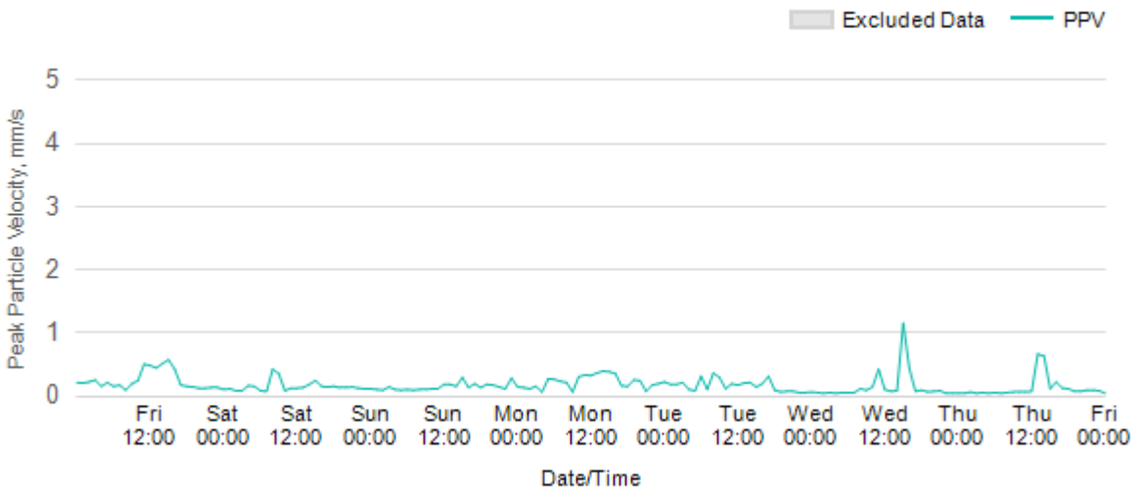


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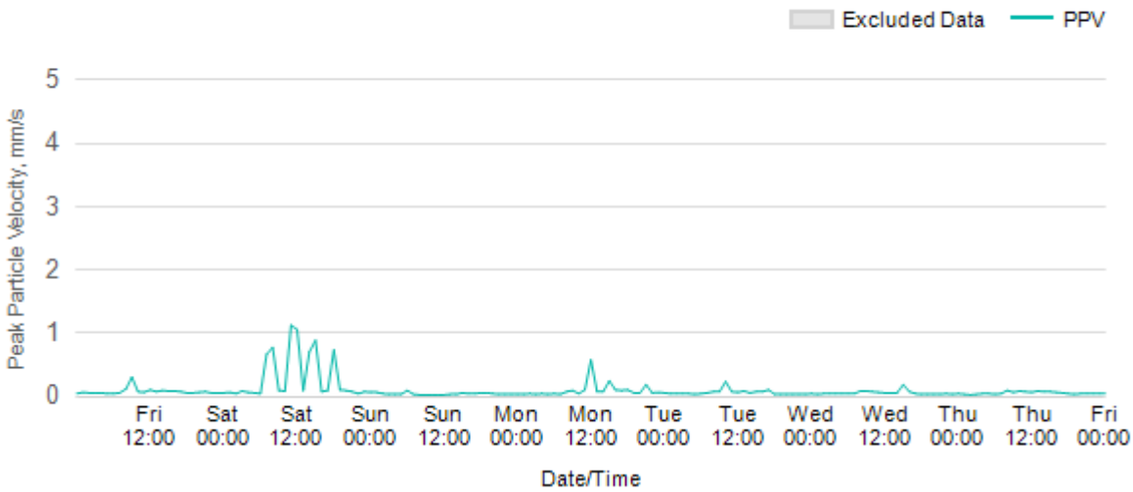
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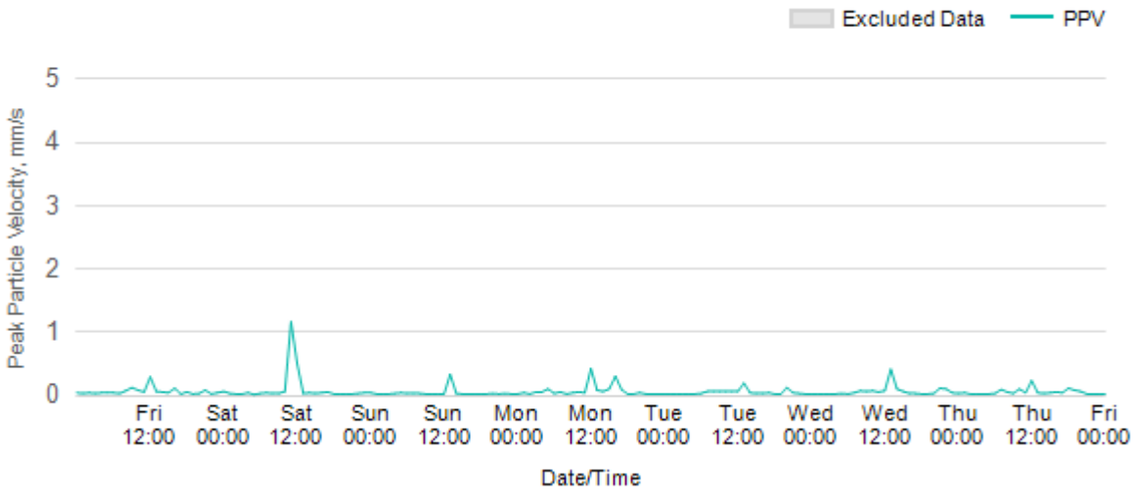
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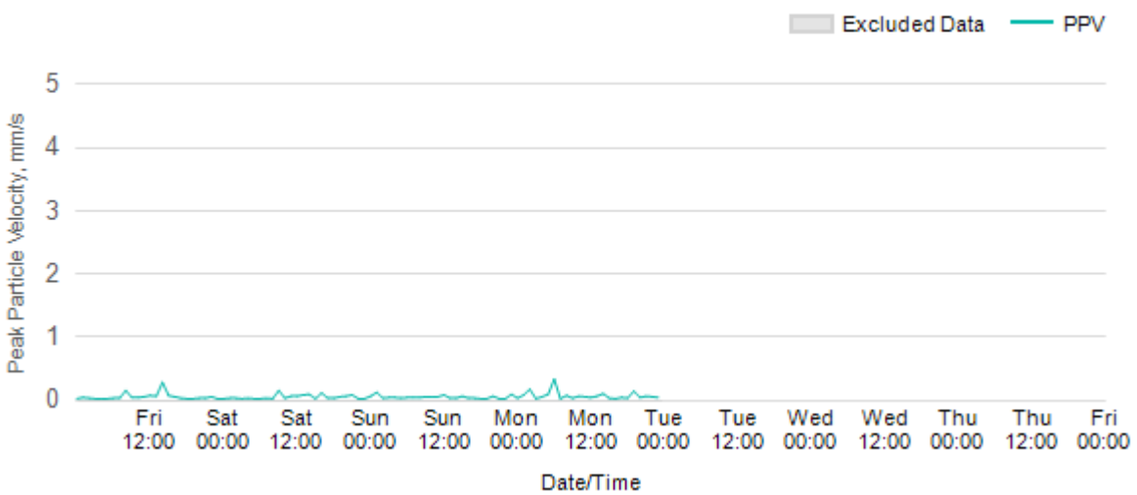
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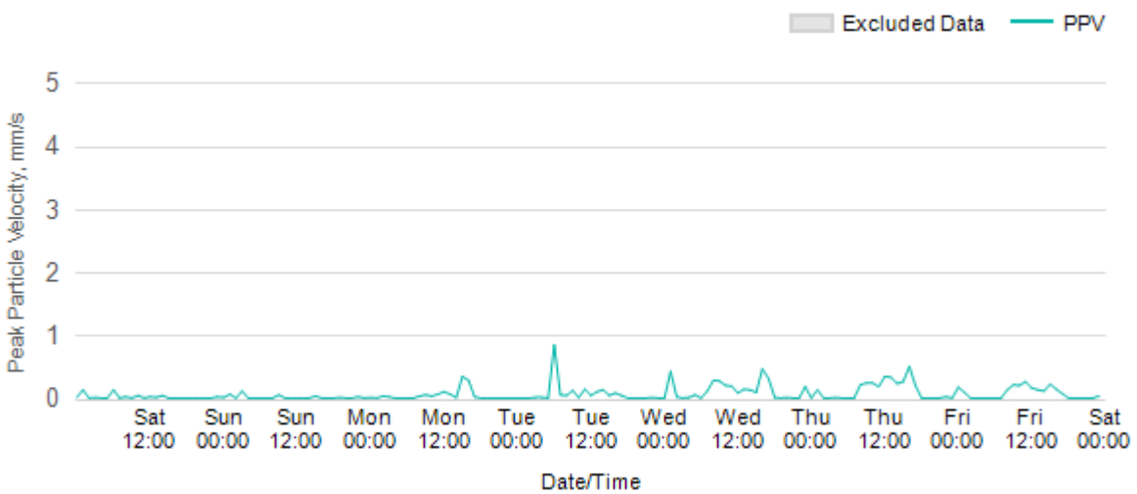


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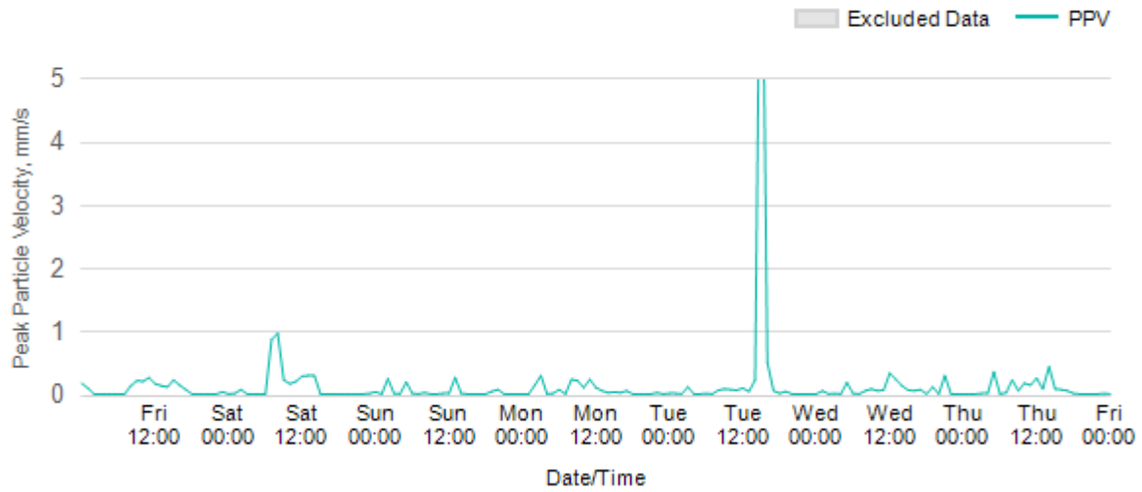


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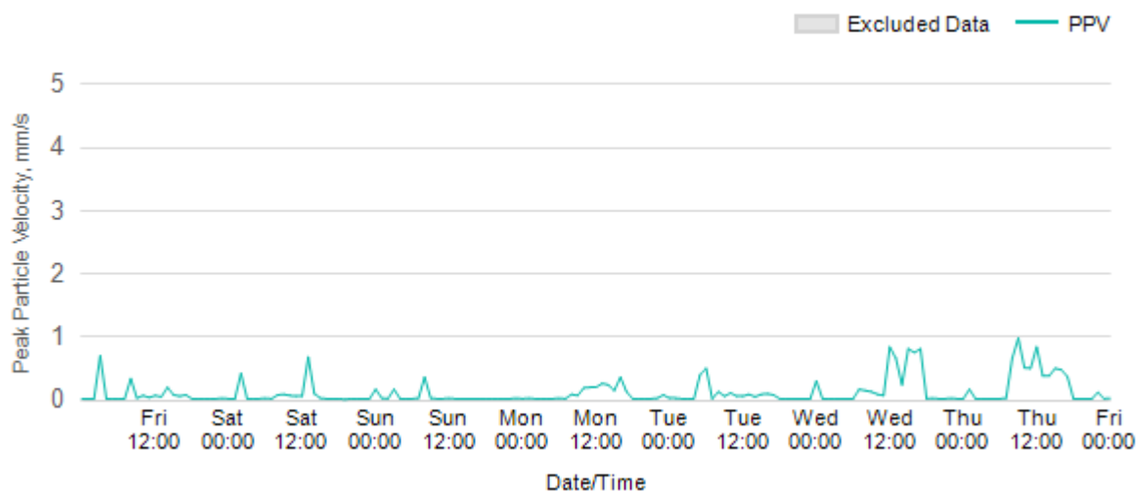
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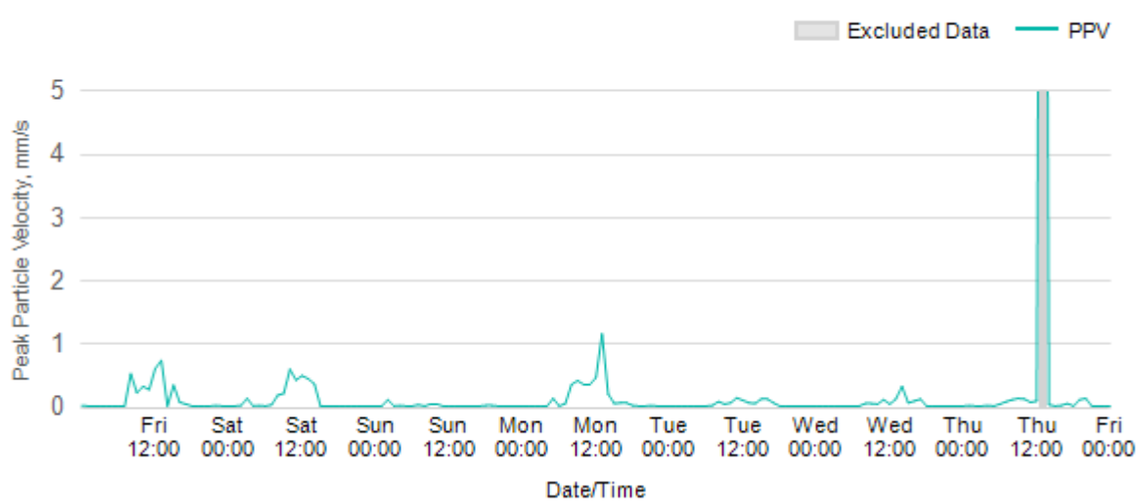
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Worksite: FOS Monitoring Ref: FOS-V1 15 August 2026 to 21 August 2026



Worksite: FOS Monitoring Ref: FOS-V1 22 August 2026 to 28 August 2026



Worksite: FOS Monitoring Ref: FOS-V1 29 August 2026 to 4 September 2026

