

HS2

April 2026

**Construction noise and vibration
Monthly Report – April 2026**
London Borough of Camden

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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 London Borough of Camden during the month of April 2026.

Within this period noise and vibration monitoring were undertaken at the following worksites:

- Adelaide Road Ventilation Shaft (ref.: ARVS) where no works were undertaken.
- Vehicle Holding Area worksite (ref.: VHA), where deliveries, site maintenance and surveys were underway.
- Mornington Street Bridge worksite (ref.: MSB), Park Village East worksite (ref.: PVE), Euston Scissor Box worksite (ref.: ESB), Euston Throat Retained Cut worksite (ref.: ETRC), Euston Throat Retained Cut worksite (ref.: ETRC), Granby Terrace Bridge worksite (ref.: GTB), Hampstead Road Bridge worksite (ref.: HRB), and Euston Cavern worksite (ref.: ECAV) collectively known as Euston Approaches where deliveries (including abnormal loads), site maintenance, surveys, utility works, earthworks, retaining wall removal, scaffolding works, concrete works, formwork installation, steel fixing, and hydro scabbling activities were underway.
- Former National Temperance Hospital - Euston North, Maria Fidelis worksite (ref.: NTH-EN, MF) where fitout works, landscaping, mechanical and electrical works, attenuation tank installation, exhumations, stockpile management and pile capping works were underway.
- Traction Substation worksite (ref.: TSS) where enabling works, pile mat construction, wall construction, piling works, remedial works and snagging works were underway.
- Former Two Tower Site and Western Taxi Rank (ref.: ETD & WRT) where deliveries and collections and pile mat construction were underway.
- Utilities adjacent to Euston Street (ref.: UN) where site setup, saw cutting, concrete/tarmac breakout vac excavation and duct installation works were underway.

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

- Utilities works on Lidlington Place, Parkway, Hampstead Road and Stanhope Street where trial holes, joint bays, utility diversions and cable pulling activities were underway.

The HS2 threshold levels for significant noise impacts, which are defined in Information Paper E23 (<https://www.gov.uk/government/publications/hs2-information-papersenvironment>) were exceeded thirteen (13) times during the reporting period.

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

4 complaints were received during the monitoring period. A description of complaints, the results of investigations and any actions taken are detailed in Table 8 of this report.

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
L _{Aeq,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, L _{pAeq,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 L _{Aeq,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 London Borough of Camden (LBC) area for the period 1-30 April 2026.

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

- The Adelaide Road ventilation shaft, ref.: ARVS (See plan 1 in Appendix A), where no works were undertaken.
 - Vehicle Holding Area worksite ref.: VHA (see plan 1 in Appendix A), where work activities included:
 - Deliveries
 - Site maintenance including haul roads and drainage
 - Surveys
- Mornington Street Bridge worksite, ref.: MSB, Park Village East worksite, ref.: PVE, Euston Scissor Box worksite, ref.: ESB, Euston Throat Retained Cut worksite, ref.: ETRC, Granby Terrace Bridge worksite, ref.: GTB (see plan 2 in Appendix A), Euston Cavern worksite, ref.: ECAV, and Hampstead Road Bridge worksite, ref.: HRB (see plan 3 in Appendix A) collectively known as 'Euston Approaches' where work activities included:
 - Deliveries including abnormal load arrivals
 - Site maintenance including haul roads, drainage and hoarding
 - Surveys
 - Utility works
 - Earthworks including excavations
 - Retaining wall removal
 - Concrete works including pouring, repairs and reinforcement
 - Formwork installation

- Steel fixing
- Hydro scabbling
- Scaffolding works including adjustments and removals
- Former National Temperance Hospital – Euston North, Maria Fidelis worksite, ref.: NTH-EN, MF (see plan 4 in Appendix A), where work activities included:
 - Fitout works
 - Landscaping
 - Mechanical and electrical works
 - Haul road construction
 - Attenuation tank installation
 - Exhumations
 - Stockpile management
 - Pile capping
- Traction Substation worksite, ref.: TSS (see plan 4 in Appendix A), where work activities included:
 - Enabling works
 - Pile mat construction
 - Wall construction
 - Piling works
 - Remedial and snagging works
- Former Two Tower Site and Western Taxi Rank worksite, ref.: WTD & WTR (see plan 4 in Appendix A), where work activities included:
 - Deliveries and collections
 - Pile mat construction
- Utilities adjacent to Euston Street, ref.: UN (see plan 3 in Appendix A) where work activities included:
 - site setup
 - saw cutting
 - concrete/tarmac breakout
 - vac excavation
 - duct installation

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

- Lidlington Place, Parkway, Hampstead Road and Stanhope Street, where trial holes, joint bays, utility diversions and cable pulling activities were underway.

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 33 noise and 11 vibration monitoring installations were active in April in the London Borough of Camden area. Tables 2a and 2b summarise the position of noise and vibration monitoring installations within the London Borough of Camden area in April 2026.
- 1.2.2 Maps showing the position of noise and vibration monitoring installations are presented in Appendix B.
- 1.2.3 The following additional monitor was installed:
- Vibration Monitor ref. V061 was installed at 92 Euston St, worksite ref. UN on 08 April.

Table 2a: Noise Monitoring Locations

Worksite Reference	Measurement Reference	Address
Euston Approaches	N001	Park Village East Lamppost #1 Outside Cubitt Court
	N001b	Park Village East Adjacent to Cubitt Court
	N002	Park Village East Lamppost #2 Outside Richmond House
	N003	Park Village East Lamppost #15 Outside Silsoe House
	N004	Mornington Terrace Lamppost #7 Junction of Mornington Terrace, Mornington Place & Clarkson Row
	N005	Euston Approaches – Xavier House site office external staircase
	N018	Outside Lindale, Hampstead Road
	N019	Euston Approaches site hoarding – north facing façade of Cartmel House
	N020	Lamppost on corner of Mackworth Street and Harrington Street
	N021	Lamppost on Stanhope Street, west of Stephenson House site office
	N022	Lamppost #34 on Mornington Terrace, between Mornington Street Bridge and Edinboro Castle pub
	N023	Lamppost #21 on Hampstead Road - opposite Xavier House site office
	N023B	Euston Throat Retained Cut site hoarding south of Hampstead Road Bridge
	N024	Euston Approaches site hoarding – between Stephenson House site office and Langdale, Regent's Park Estate
	N026a	Euston Approaches site hoarding – east facing façade of Cartmel House
	N044	Euston Approaches site hoarding – between Stephenson House site office and Langdale, Regent's Park Estate
	N045	Euston Approaches site hoarding – east of Coniston, Regent's Park Estate
	N046	Lamppost on Mornington Terrace, between Mornington Street Bridge and Delancey Street, near Edinboro Castle pub
	N047	Lamppost #3 on corner of Park Village East and Mornington Street Bridge
PVS-N001	Park Village Studios	
TSS	N006	Roof of RCGP, facing north
	N008	Outside RCGP, Stephenson Way
	N010	East façade of Wesley Hotel
	N011	Outside 82 Euston Street
	N012	Outside 96 Drummond Street

ETD, ITR	N007	Outside RCGP, Melton Street
MFOS	N014	Opposite 27-28 Starcross Street
NTH-EN	N016	Roof of Margarete Centre
	N017	Outside Mardale, Hampstead Road
NTH-N	N018	Outside Lindale, Hampstead Road
VHA	N025	Lamppost #3 on Prince Albert Road opposite the Vehicle Holding Area (VHA) site
ARVS	N051	Outside 70 Adelaide Road
	N052	Adelaide Road-Beaumont Walk

Table 2b: Vibration Monitoring Locations

Worksite Reference	Measurement Reference	Address
Euston Approaches	PVS-V001	Park Village Studios
	SH-V001	Basement of Silsoe House
	V039	Euston Approaches site – east of Coniston, Regent’s Park Estate
	V043	Euston Approaches site – Cartmel House, Regents Park Estate
TSS	V002	RCGP basement boiler room, Stephenson Way
	V037	Magic Circle basement, Stephenson Way
	V038	Wesley Hotel basement, Regnart Buildings
ETD, ITR	V003	RCGP basement vaults, Melton Street
NTH-EN	V021	42 Cobourg Street, ground level
UN	V060	Prankerd House Basement, North Gower St
	V061	92 Euston St

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
ARVS	N051	Outside 70 Adelaide Road	Free field	67.0 (70.4)	67.5 (68.4)	67.4 (71.9)	66.8 (74.6)	63.2 (73.0)	63.5 (64.3)	65.9 (66.3)	64.9 (65.6)	67.6 (75.9)	64.2 (70.7)	65.7 (73.3)	63.2 (69.4)
	N052	Adelaide Road-Beaumont Walk	Free field	66.3 (70.5)	66.8 (68.7)	66.3 (68.9)	65.7 (74.4)	62.9 (74.2)	62.9 (64.0)	64.9 (65.5)	64.2 (64.6)	65.2 (68.9)	63.3 (67.2)	64.5 (69.8)	62.1 (67.1)
Euston Approaches	N001*	Park Village East Lamppost #1 Outside Cubitt Court	Free-field	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
	N001b	Park Village East Adjacent to Cubitt Court	Free-field	60.6 (62.4)	64.5 (69.7)	58.3 (60.1)	57.5 (62.8)	52.6 (62.5)	54.6 (57.4)	60.2 (63.2)	58.8 (60.4)	59.1 (68.8)	52.6 (57.1)	58.5 (70.2)	52.2 (58.5)
	N002*	Park Village East Lamppost #2 Outside Richmond House	Free-field	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
	N003	Park Village East Lamppost #15 Outside Silsoe House	Free-field	62.5 (65.9)	62.9 (64.4)	62.4 (64.7)	60.7 (64.6)	56.0 (63.5)	54.2 (55.4)	58.1 (58.7)	58.3 (59.0)	59.3 (61.3)	55.2 (58.0)	58.0 (61.2)	53.8 (58.3)
	N004*	Mornington Terrace Lamppost #7 Junction of Mornington Terrace, Mornington Place & Clarkson Row	Free-field	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
	N005	Euston Approaches - Xavier House site office external staircase	Free-field	62.6 (65.9)	64.7 (67.8)	64.2 (70.1)	63.3 (66.0)	60.0 (65.7)	61.2 (65.1)	62.7 (65.4)	61.4 (63.1)	62.8 (69.4)	59.4 (64.0)	61.5 (70.1)	58.7 (63.9)
	N018	Outside Lindale, Hampstead Road	Free-field	65.0 (68.3)	68.1 (77.4)	68.2 (84.8)	66.9 (76.5)	64.0 (72.3)	63.1 (64.0)	63.7 (64.3)	64.9 (67.7)	65.8 (73.2)	65.2 (71.0)	64.6 (71.5)	63.5 (69.9)

N019	Euston Approaches site hoarding – north facing façade of Cartmel House	Façade	55.1 (58.3)	59.3 (64.9)	55.4 (62.6)	55.5 (60.3)	53.2 (64.5)	52.8 (56.1)	53.7 (54.7)	52.9 (53.2)	53.9 (60.2)	53.7 (57.8)	54.2 (59.5)	51.9 (56.6)
N020	Lamppost on corner of Mackworth Street and Harrington Street	Free-field	54.7 (59.7)	57.8 (62.5)	53.1 (58.7)	51.8 (57.3)	50.1 (59.3)	52.1 (53.2)	52.3 (55.4)	52.1 (54.9)	54.7 (68.7)	51.0 (55.0)	52.0 (59.9)	50.2 (55.9)
N021	Lamppost on Stanhope Street, west of Stephenson House site office	Free-field	59.8 (63.0)	61.2 (64.9)	60.5 (63.0)	58.2 (63.5)	53.4 (62.2)	53.9 (54.8)	56.3 (57.0)	57.4 (58.3)	59.5 (64.0)	54.4 (58.4)	57.6 (63.7)	51.8 (56.8)
N022*	Lamppost #34 on Mornington Terrace, between Mornington Street Bridge and Edinboro Castle pub	Free-field	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
N023*	Lamppost #21 on Hampstead Road - opposite Xavier House site office	Free-field	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
N023B	Euston Throat Retained Cut site hoarding south of Hampstead Road Bridge	Free-field	63.2 (64.5)	66.2 (68.8)	63.7 (68.7)	64.4 (70.9)	62.5 (68.7)	62.0 (63.4)	63.0 (64.4)	62.0 (63.1)	63.6 (68.2)	64.0 (69.0)	63.5 (67.6)	62.8 (67.7)
N024*	Lamppost outside Park Village Studios, Park Village East	Free-field	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
N026a	Euston Approaches site hoarding – east facing façade of Cartmel House	Façade	57.4 (60.1)	59.9 (63.8)	57.9 (64.3)	58.1 (68.3)	55.5 (62.4)	55.0 (56.2)	55.3 (56.8)	56.3 (59.6)	56.4 (63.0)	55.9 (61.1)	55.7 (61.9)	54.6 (58.8)
N044	Regents Park Estate west, near Langdale		58.1 (60.4)	63.2 (65.7)	56.3 (59.0)	55.3 (58.4)	52.2 (61.5)	57.8 (64.4)	58.4 (62.9)	56.1 (60.0)	55.6 (61.1)	53.4 (60.1)	58.2 (64.7)	54.8 (61.4)
N045	Euston Approaches site hoarding – east of Coniston		57.8 (60.6)	65.3 (70.0)	56.1 (60.2)	55.9 (59.7)	53.1 (61.8)	56.8 (66.7)	58.7 (66.4)	55.5 (59.3)	55.3 (58.8)	53.7 (58.7)	57.7 (68.2)	54.0 (60.1)
N046	Lamppost on Mornington Terrace,	Free-field	59.9 (62.1)	62.5 (74.9)	60.2 (62.3)	59.8 (62.5)	55.2 (65.0)	57.3 (60.4)	60.1 (60.6)	60.1 (60.8)	60.0 (65.3)	54.7 (60.6)	57.3 (63.6)	52.3 (59.3)

		between Mornington Street Bridge and Delancey Street, near Edinboro Castle pub													
	N047	Lamppost on Mornington Terrace, between Mornington Street Bridge and Delancey Street, near Edinboro Castle pub	Free-field	60.7 (66.0)	62.6 (69.4)	60.2 (62.6)	58.9 (66.1)	54.3 (65.2)	54.2 (55.8)	56.8 (57.3)	58.0 (61.1)	58.6 (61.9)	54.4 (60.9)	57.4 (66.2)	52.4 (56.6)
	PVS-N001	Roof of RCGP, facing north	Free field	62.6 (65.1)	65.7 (69.7)	63.3 (65.4)	62.8 (65.1)	57.7 (64.9)	59.3 (64.2)	64.4 (64.7)	64.0 (65.8)	62.9 (70.1)	56.7 (63.4)	58.7 (64.6)	54.7 (63.3)
TSS	N006	Outside RCGP, Stephenson Way	Façade	54.1 (61.6)	67.4 (73.9)	51.6 (54.7)	51.4 (58.8)	50.2 (60.5)	50.3 (52.0)	62.9 (67.9)	61.7 (68.6)	55.1 (65.5)	50.0 (54.3)	53.9 (71.8)	50.1 (64.7)
	N008	East façade of Wesley Hotel	Façade	60.4 (64.9)	68.8 (85.4)	55.5 (61.5)	55.1 (62.9)	55.2 (69.6)	56.3 (59.9)	58.6 (61.2)	57.4 (61.0)	55.5 (62.6)	53.2 (54.7)	54.8 (63.4)	54.0 (59.1)
	N010	Outside 82 Euston Street	Free field	65.9 (69.6)	69.1 (73.4)	65.8 (69.8)	64.0 (69.5)	57.1 (69.7)	64.4 (65.4)	66.6 (69.4)	66.1 (67.1)	59.4 (66.4)	55.0 (64.6)	62.6 (65.5)	56.6 (65.8)
	N011	Outside 96 Drummond Street	Free field	56.2 (62.3)	60.1 (63.2)	54.0 (64.6)	53.0 (61.0)	50.6 (60.6)	52.3 (54.5)	56.2 (58.2)	55.4 (57.9)	54.6 (61.8)	50.2 (55.0)	52.5 (61.1)	49.9 (60.5)
	N012	Roof of RCGP, facing north	Free field	56.0 (58.7)	63.9 (70.5)	59.6 (67.3)	57.7 (61.8)	53.9 (60.9)	53.9 (58.0)	58.5 (59.3)	59.5 (65.0)	58.9 (65.0)	56.8 (65.8)	57.5 (64.5)	52.6 (58.6)
ETD, ITR	N007	Outside RCGP, Melton Street	Free field	63.8 (67.1)	68.0 (70.3)	62.1 (65.1)	61.7 (68.0)	61.6 (77.9)	59.9 (61.0)	61.1 (62.5)	62.1 (62.7)	60.9 (63.6)	59.0 (63.4)	60.9 (68.5)	59.6 (66.4)
MFOS	N014	Opposite 27-28 Starcross Street	Free field	55.1 (67.2)	62.1 (72.2)	63.4 (72.9)	61.6 (71.8)	54.3 (68.6)	52.5 (60.8)	55.3 (60.2)	60.1 (64.7)	59.7 (66.1)	54.3 (68.1)	60.9 (69.4)	49.0 (61.7)
NTH-EN	N016	Roof of Margarete Centre	Free field	56.3 (65.4)	63.1 (71.7)	61.2 (72.2)	60.6 (74.0)	55.1 (68.4)	52.5 (58.7)	55.5 (60.7)	58.8 (65.9)	60.2 (73.7)	60.1 (76.5)	60.0 (69.9)	50.5 (62.1)
	N017	Outside Mardale, Hampstead Road	Free field	66.2 (70.0)	68.5 (71.4)	67.5 (72.2)	67.9 (78.6)	65.3 (72.5)	63.1 (63.8)	65.2 (67.1)	67.0 (68.7)	66.9 (70.0)	66.9 (74.8)	65.6 (70.9)	65.3 (71.2)
NTH-N	N018	Outside Lindale, Hampstead Road	Free-field	65.1 (68.4)	68.3 (76.9)	68.1 (84.8)	67.0 (76.6)	64.1 (72.2)	63.1 (64.0)	63.6 (64.0)	64.9 (67.7)	65.8 (73.2)	65.6 (72.0)	64.7 (71.5)	63.5 (69.9)
Euston Approaches Vehicle Holding Area	N025	Lamppost #3 on Prince Albert Road	Free-field	68.3 (72.8)	67.1 (69.9)	65.4 (72.6)	64.8 (70.1)	63.5 (69.9)	63.6 (64.4)	65.2 (66.1)	67.6 (71.9)	65.2 (68.3)	64.1 (70.0)	64.6 (69.4)	62.5 (67.7)

*Note: No data measured during this period due to loss of power to the lighting column which powers the monitoring station.

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
ETD, ITR	V003	RCGP basement vaults, Melton Street	0.78 (Z-axis)
Euston Approaches	PVS-V001	Park Village Studios	1.32 (Y-axis)
	SH-V001	Basement of Silsoe House	(*)
	V039	Euston Approaches site – east of Coniston, Regent's Park Estate	0.38 (Z-axis)
	V043	Euston Approaches site – Cartmel House, Regents Park Estate	0.68 (Y-axis)
NTH-EN	V021	42 Cobourg Street, ground level	1.00 (Z-axis)
TSS	V002	RCGP basement boiler room, Stephenson Way	1.47 (Z-axis)
	V037	Magic Circle basement, Stephenson Way	1.14 (Y-axis)
	V038	Wesley Hotel basement, Regnart Buildings	0.85 (Z-axis)
UN	V060	Prankerd House Basement, North Gower St	0.76 (Z-axis)
	V061	92 Euston St	4.58 (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 SOAEL

- 2.2.1 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."
- 2.2.2 HS2 Phase One Information Paper E23: Control of Construction Noise and Vibration sets out the SOAELs for construction noise.
- 2.2.3 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.
- 2.2.4 Table 5 presents a summary of recorded exceedances of the SOAEL at each measurement location over the reporting period, including the number of exceedances during each time period.

Table 5: Summary of Exceedances of SOAEL

Worksite Reference	Measurement Reference	Site Address	Day (Weekday, Saturday, Sunday, Night)	Time period	Number of exceedances of SOAEL
ARVS	N051	Outside 70 Adelaide Road	All days	All periods	No exceedances
	N052	Adelaide Road-Beaumont Walk	All days	All periods	No exceedances
ETD, ITR	N007	North of Euston Road and East of Melton St	All days	All periods	No exceedances
Euston Approaches	N001	Park Village East Lamppost #1 Outside Cubitt Court	All days	All periods	No exceedances
	N001b	Park Village East Adjacent to Cubitt Court	All days	All periods	No exceedances
	N002	Park Village East Lamppost #2 Outside Richmond House	All days	All periods	No exceedances
	N003	Park Village East Lamppost #15 Outside Silsoe House	All days	All periods	No exceedances
	N004	Mornington Terrace Lamppost #7 Junction of Mornington Terrace, Mornington Place & Clarkson Row	All days	All periods	No exceedances
	N005	Euston Approaches - Xavier House site office external staircase	Sunday	0700 - 2200	1
	N018	Outside replacement housing, Hampstead Road	Weekday	0800 - 1800 1800 - 1900	1 2
	N019	Euston Approaches site hoarding -	All days	All periods	No exceedances

	north facing façade of Cartmel House			
N020	Lamppost on corner of Mackworth Street and Harrington Street	All days	All periods	No exceedances
N021	Lamppost on Stanhope Street, west of Stephenson House site office	All days	All periods	No exceedances
N022	Lamppost #34 on Mornington Terrace, between Mornington Street Bridge and Edinboro Castle pub	All days	All periods	No exceedances
N023	Lamppost #21 on Hampstead Road - opposite Xavier House site office	All days	All periods	No exceedances
N023B	Euston Throat Retained Cut site hoarding south of Hampstead Road Bridge	All days	All periods	No exceedances
N024	Lamppost outside Park Village Studios, Park Village East	All days	All periods	No exceedances
N026a	Euston Approaches site hoarding - east facing façade of Cartmel House	All days	All periods	No exceedances
N044	Euston Approaches site hoarding - between Stephenson House site office and Langdale, Regent's Park Estate	Night	2200 - 0700	4
N045				

		Euston Approaches site hoarding - east of Coniston, Regent's Park Estate	Sunday Night	0700 - 2200 2200 - 0700	1 5
	N046	Lamppost on Mornington Terrace, between Mornington Street Bridge and Delancey Street, near Edinboro Castle pub	All days	All periods	No exceedances
	N047	Lamppost #3 on corner of Park Village East and Mornington Street Bridge	All days	All periods	No exceedances
	PVS-N001	Park Village Studios	Saturday Night	1400 - 2200 2200 - 0700	1 1
Euston Approaches Vehicle Holding Area	N025	Lamppost #3 on Prince Albert Road opposite the Vehicle Holding Area (VHA) site	All days	All periods	No exceedances
MFOS	N014	Opposite 27-28 Starcross Street	All days	All periods	No exceedances
NTH-EN	N016	Roof of Margarete Centre	All days	All periods	No exceedances
	N017	Outside Mardale, Hampstead Road	All days	All periods	No exceedances
NTH-N	N018	Outside replacement housing, Hampstead Road	All days	All periods	No exceedances
TSS	N006	Roof of RCGP, facing north	All days	All periods	No exceedances
	N008	Outisde RCGP, Stephenson Way	All days	All periods	No exceedances
	N010	East façade of Wesley Hotel	All days	All periods	No exceedances

	N011	Outside 82 Euston Street	All days	All periods	No exceedances
	N012	Opposite 92-94 Drummond Street	All days	All periods	No exceedances

2.2.5 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
Euston Approaches	N005	Euston Approaches – Xavier House site office external staircase	1
	N018	Outside Lindale, Hampstead Road	2
	N044	Euston Approaches site hoarding – between Stephenson House site office and Langdale, Regent’s Park Estate	4
	N045	Euston Approaches site hoarding – east of Coniston, Regent’s Park Estate	5
	PVS-N001	Park Village Studios	1

2.3 Exceedances of Trigger Level

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

Table 7: Summary of Exceedances of Trigger Levels

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

2.4 Complaints

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

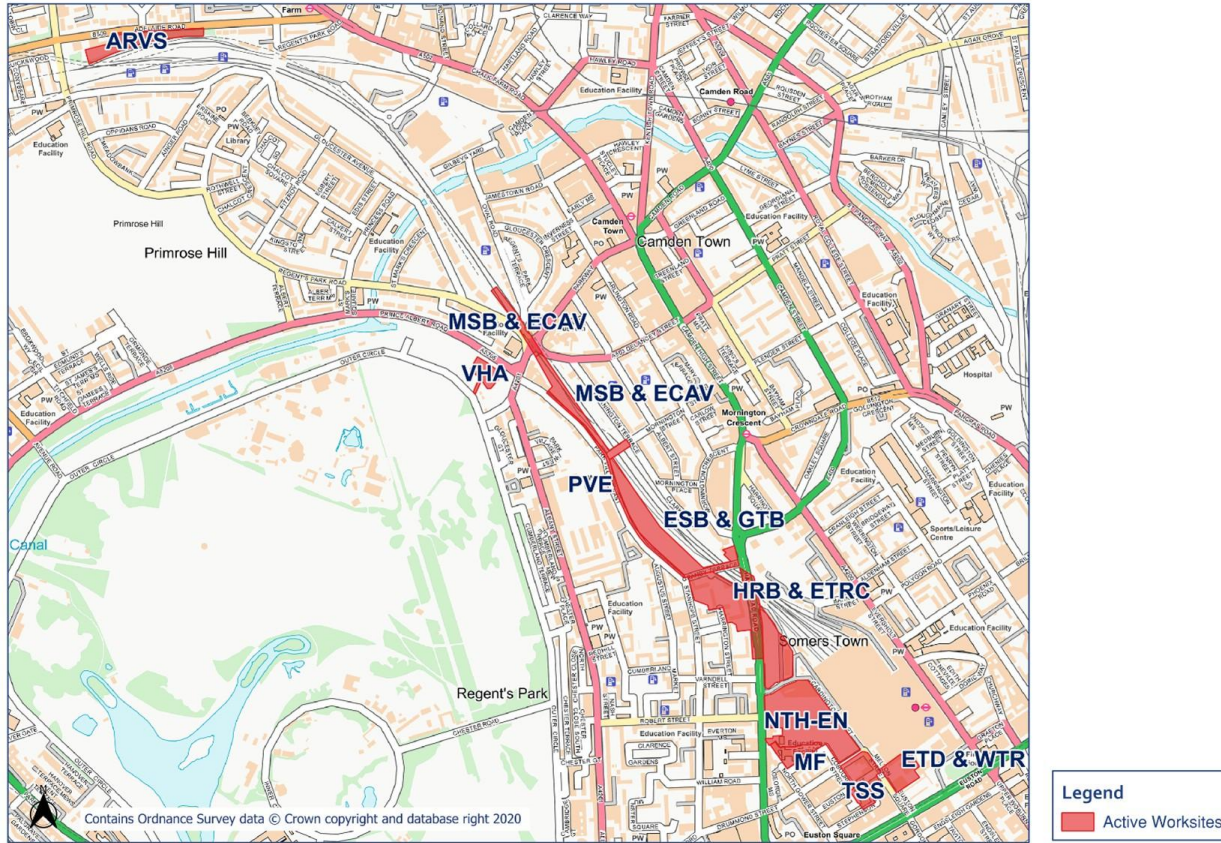
Table 8: Summary of Complaints

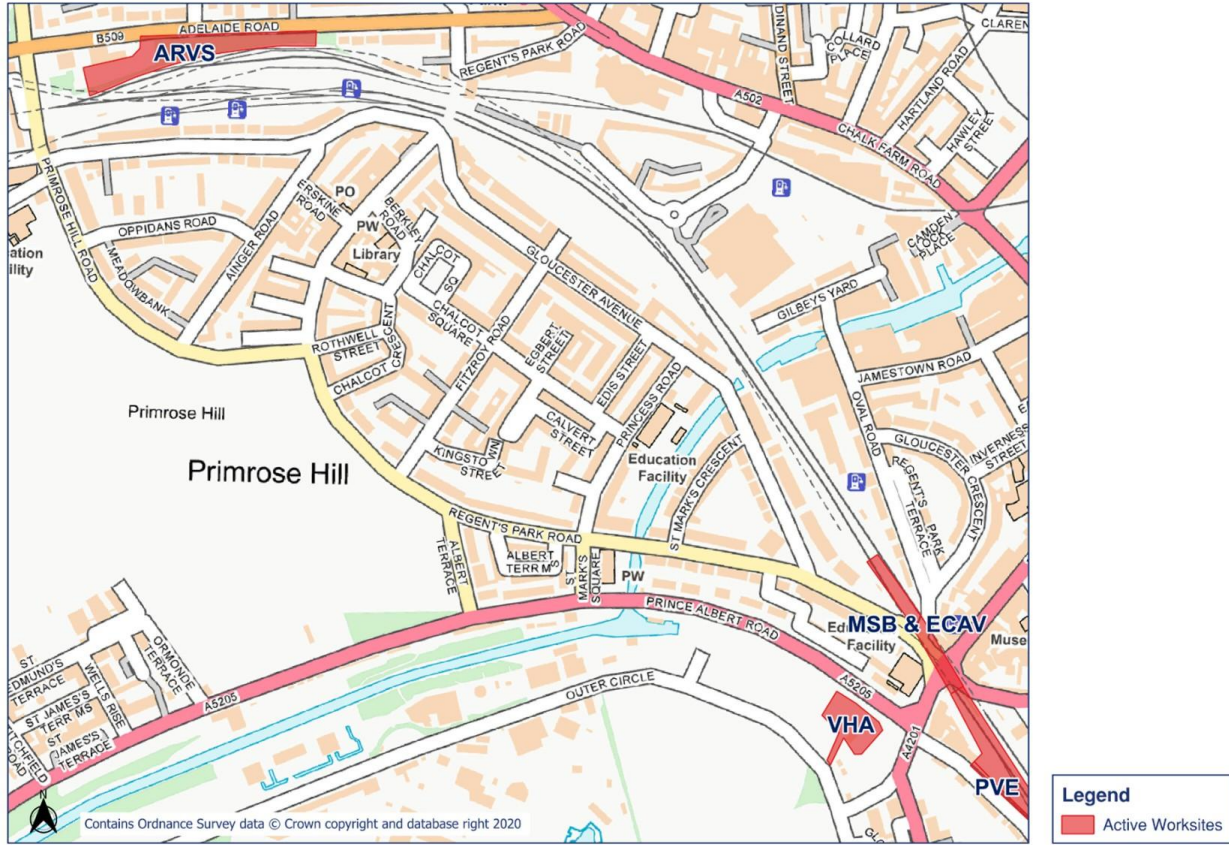
Complaint Reference Number	Worksite Reference	Description of Complaint	Results of Investigation	Actions Taken
HS2-26-132128-E-C	Euston Approaches	The stakeholder raised a formal complaint about newly installed cranes producing persistent loud whistling noise that was not limited to working hours and could occur continuously. They requested clarification on planned noise mitigation measures and asked what consideration had been given to the potential mental health impacts on local residents.	Investigation initiated which identified that when out of service, cranes were left in a free-slew mode, which could generate such noise in certain wind conditions. A review of further potential mitigation measures to reduce this are being considered.	Stakeholder informed of the results of the investigation.
HS2-26-47277-C	Euston Approaches	The stakeholder made a complaint about construction noise that had worsened, reporting continuous overnight disturbance that made it difficult to sleep. They questioned the lack of quiet hours and expressed concern about whether the noise would continue throughout the project's duration.	Investigation initiated which identified that certain works had to be scheduled during railway closures for safety reasons, including over the Easter possession period. All efforts made to minimise disruption by prioritising daytime work where possible and monitoring noise levels closely in coordination with the council.	Stakeholder informed of the results of the investigation.
HS2-26-47281-C	Euston Approaches	The stakeholder raised a complaint about noise disturbance during early morning hours, reporting	Investigation initiated which identified that the noise disturbance was caused by traffic management works undertaken to support utility safeguarding in preparation for	Stakeholder informed of the results of the investigation. Workforce on site are being re-briefed to reduce noise from the works.

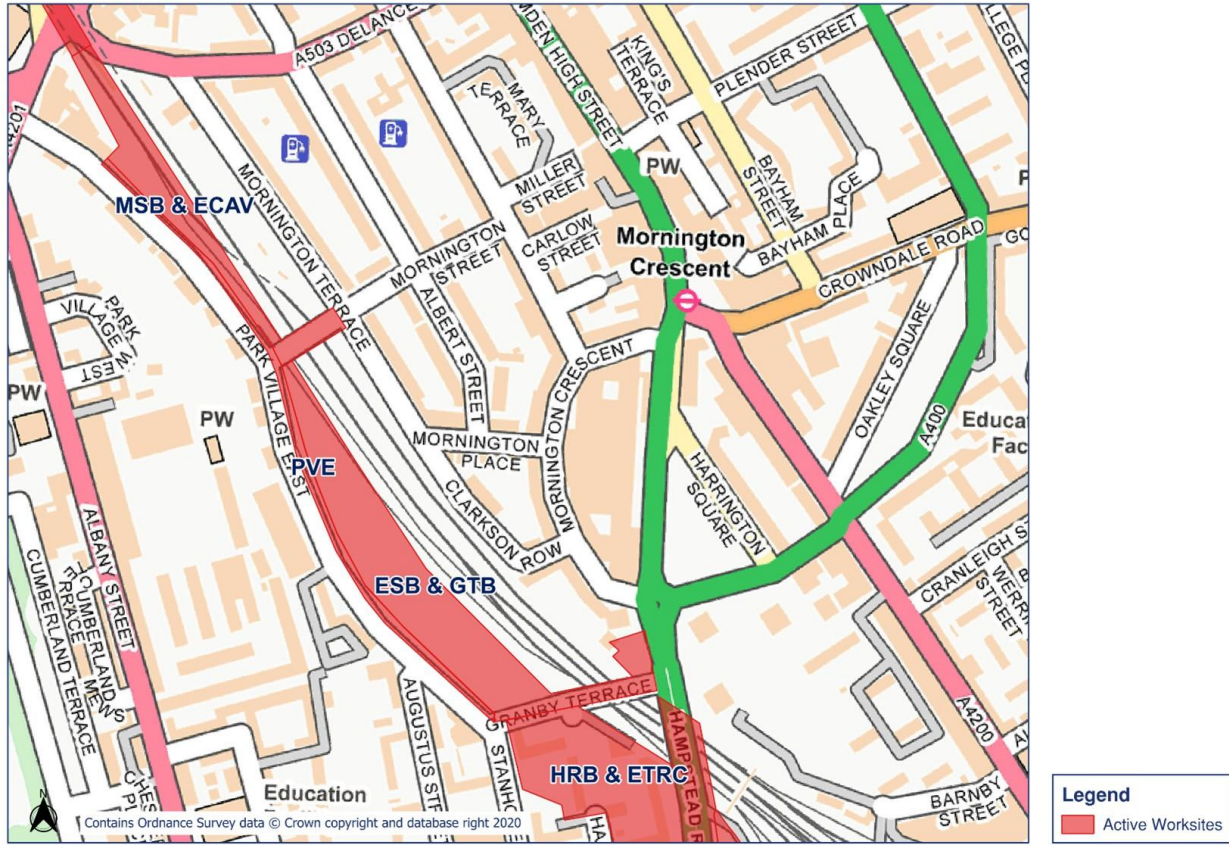
		that barriers were being offloaded from a truck and that workforce chatter was audible between 3am and 5am. They expressed dissatisfaction with the timing of these activities and the impact on their sleep.	future construction activities. These works were required to be undertaken at night to minimise traffic disruption and meet safety requirements.	
HS2-26-132332-E-C	Euston Approaches	The stakeholder made a complaint about ongoing weekend construction noise at the Camden Cutting, stating that frequent and continuous activity had significantly disrupted their ability to rest and enjoy their home. They highlighted the cumulative impact of noise despite mitigation measures and expressed concern about worsening conditions, particularly during summer. The stakeholder requested clarification on controls for weekend working, decision-making processes, and details of current and additional noise mitigation measures.	Investigation initiated which identified that certain works had to be scheduled overnight and at weekends due to safety constraints and coordination with railway closures. All efforts made to minimise disruption by prioritising daytime work where possible and monitoring noise levels closely in coordination with the council.	Stakeholder informed of the results of the investigation.

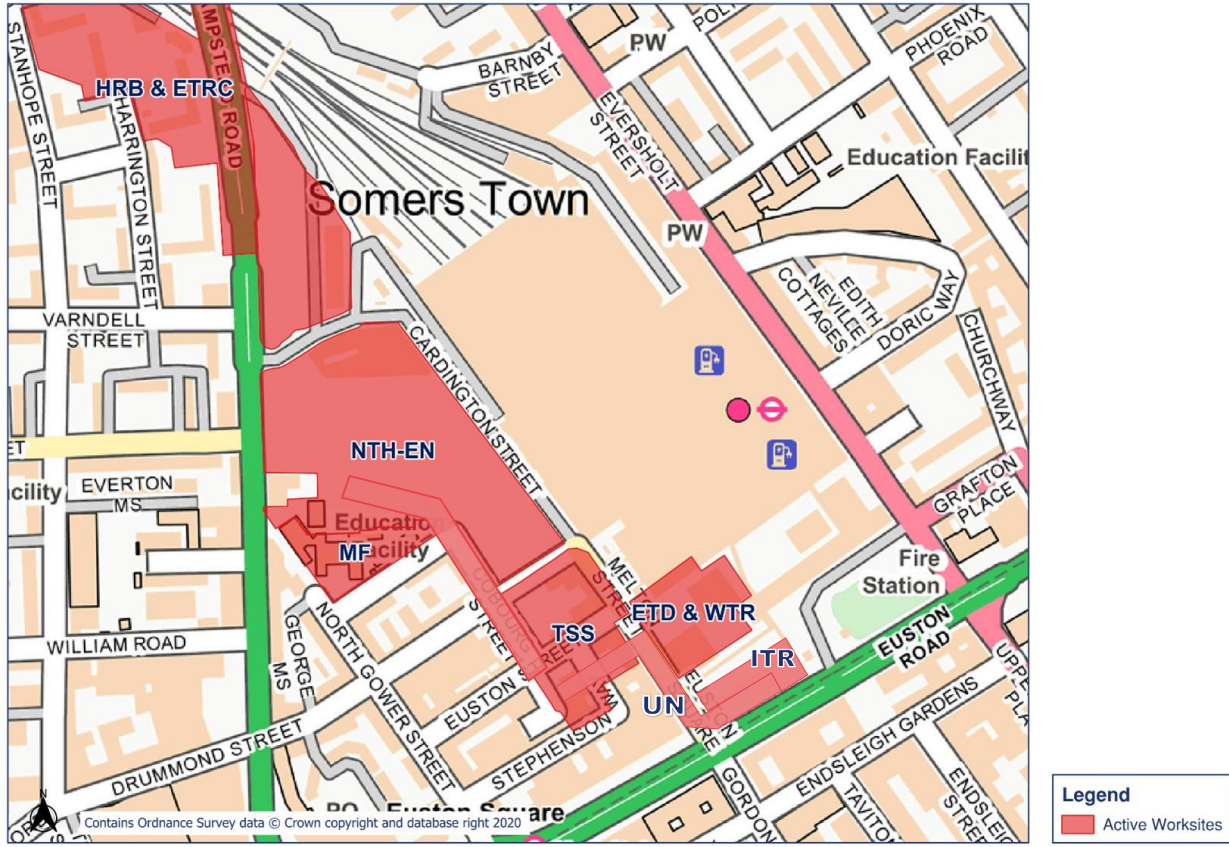
Appendix A Site Locations

HS2 Worksite Identification Plan - Overview





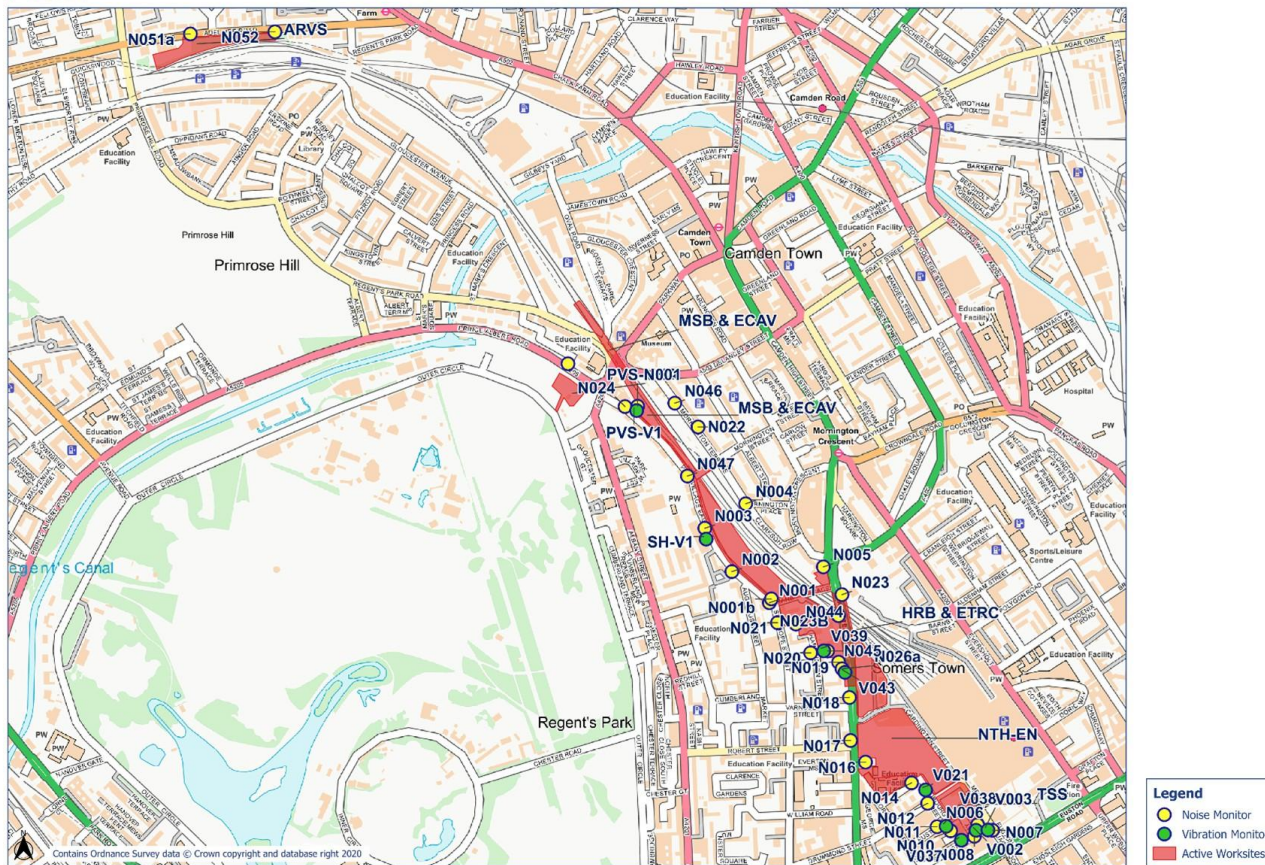




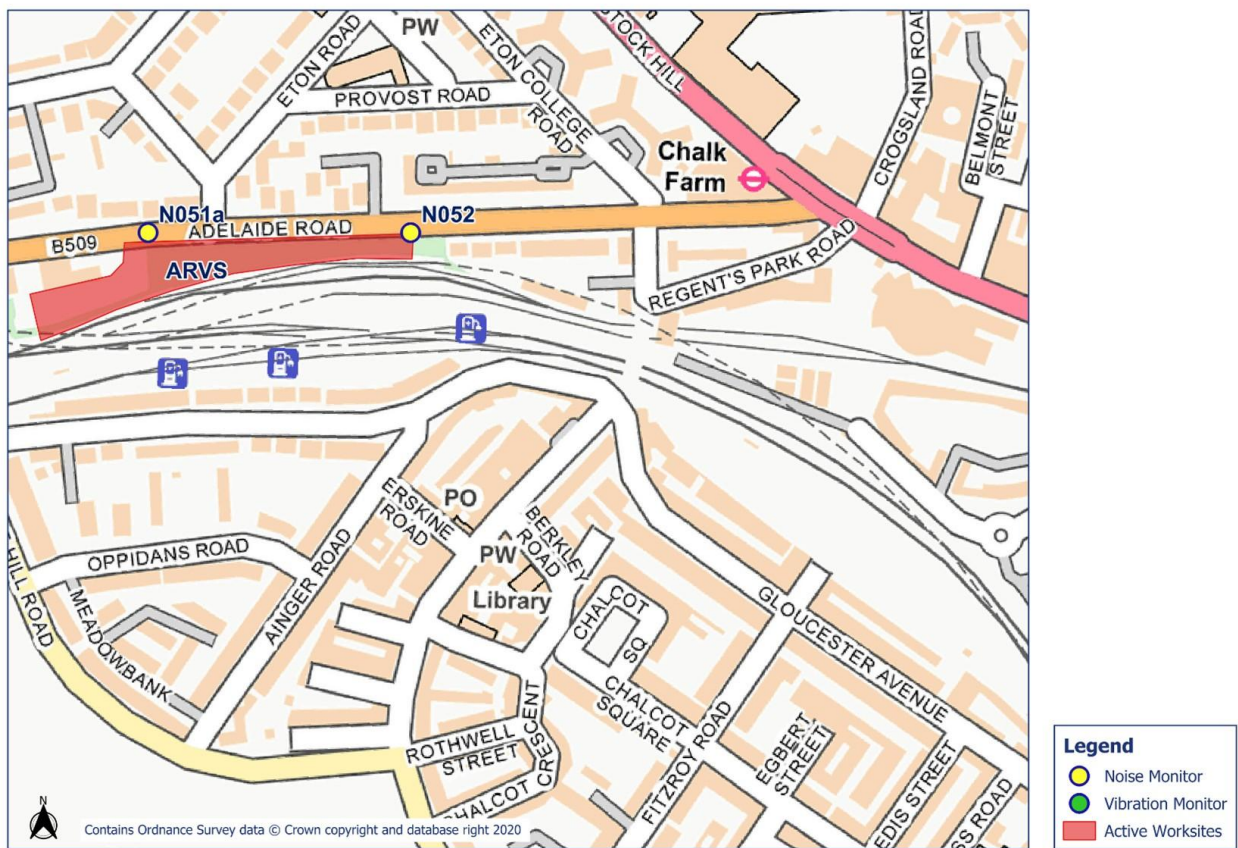
Appendix B Monitoring Locations

HS2

Noise and Vibration Monitoring Plan - Overview



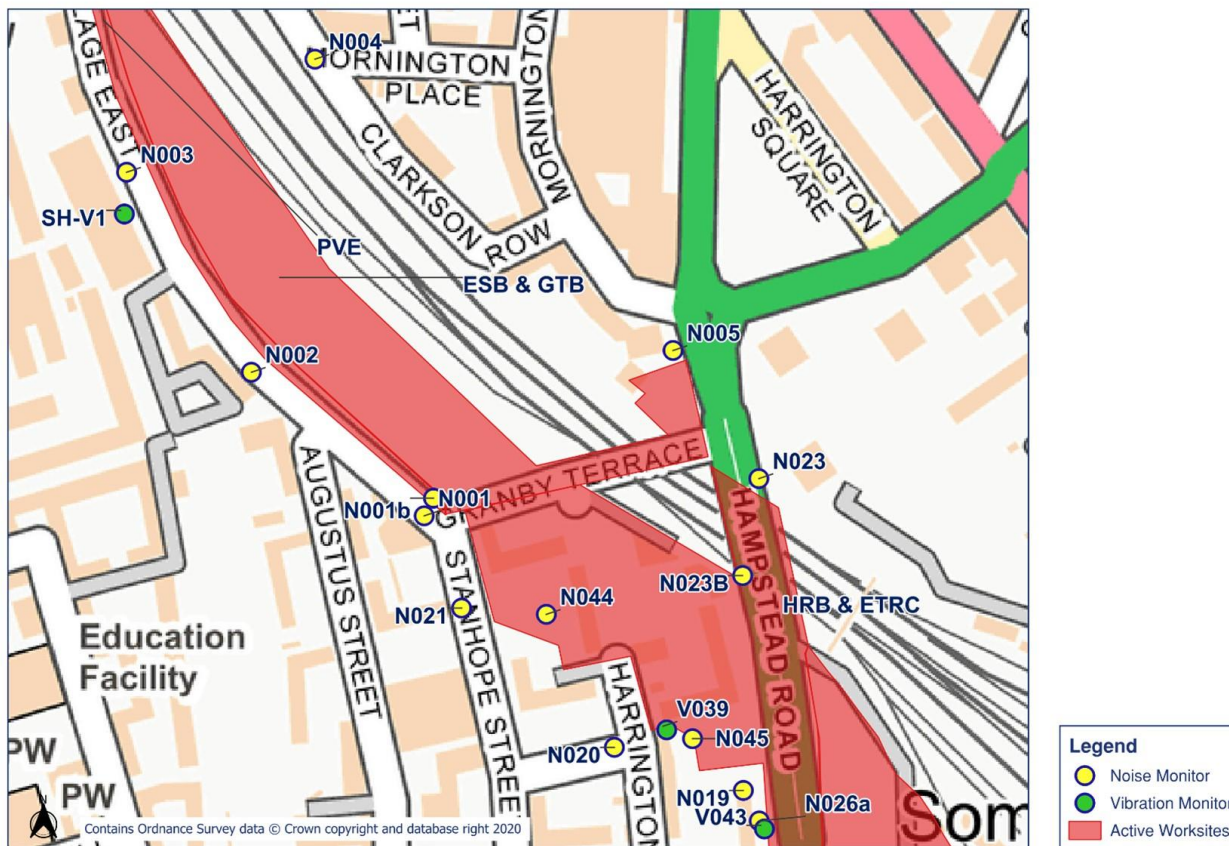
HS2 Noise and Vibration Monitoring Plan - 1

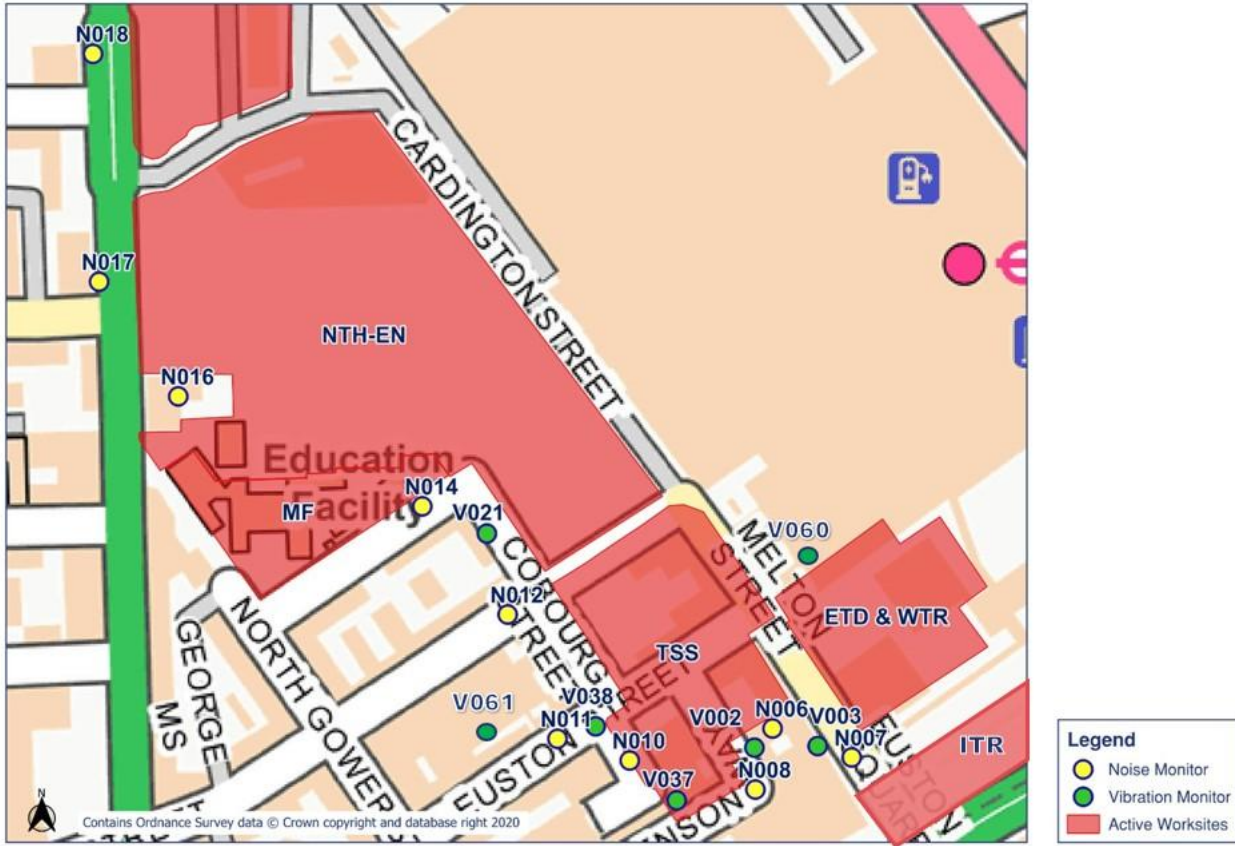


HS2 Noise and Vibration Monitoring Plan - 2



HS2 Noise and Vibration Monitoring Plan - 3





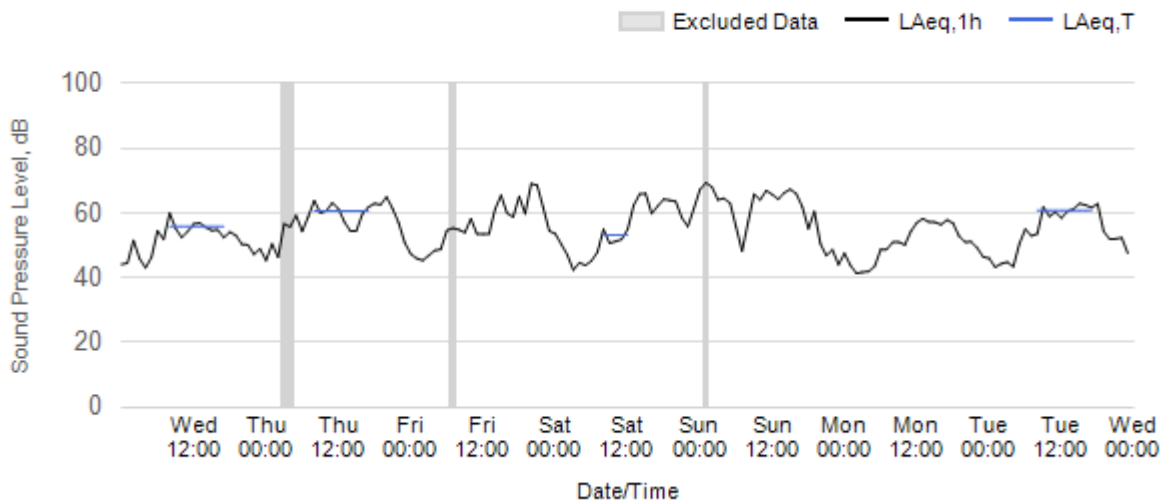
Appendix C Data

Noise

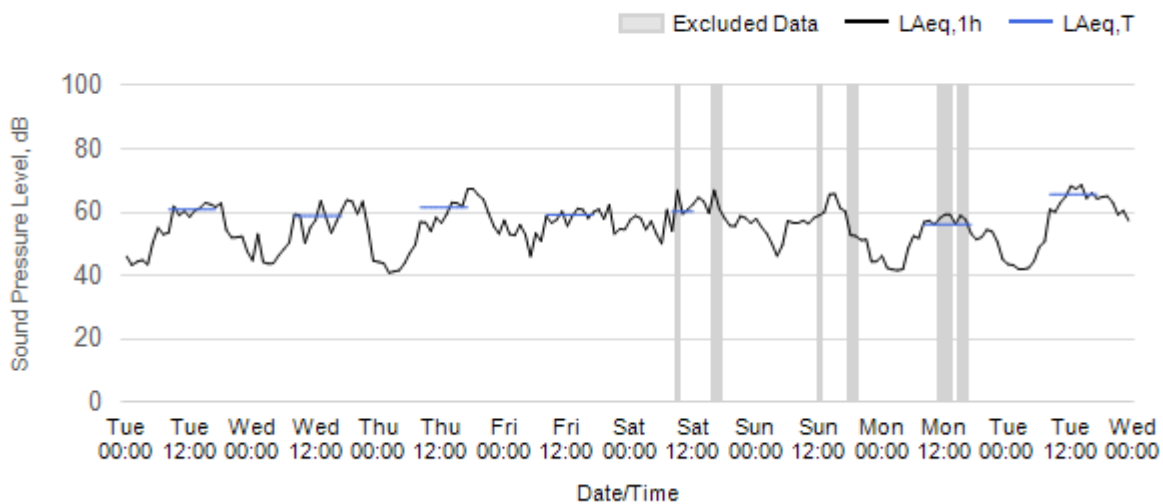
The following graphs show the hourly measured ambient noise level LAeq,1h and, where relevant, the averaged noise level LAeq,T values, where the time period T is as specified in Table 1 of HS2 Information Paper E23. Periods where noise levels are adversely affected by weather or only measured for part 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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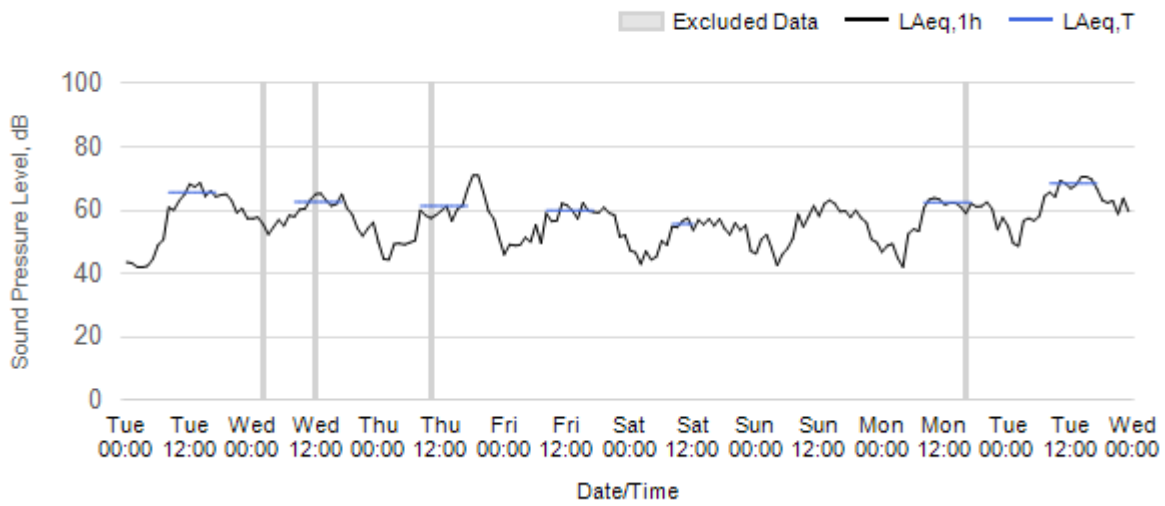
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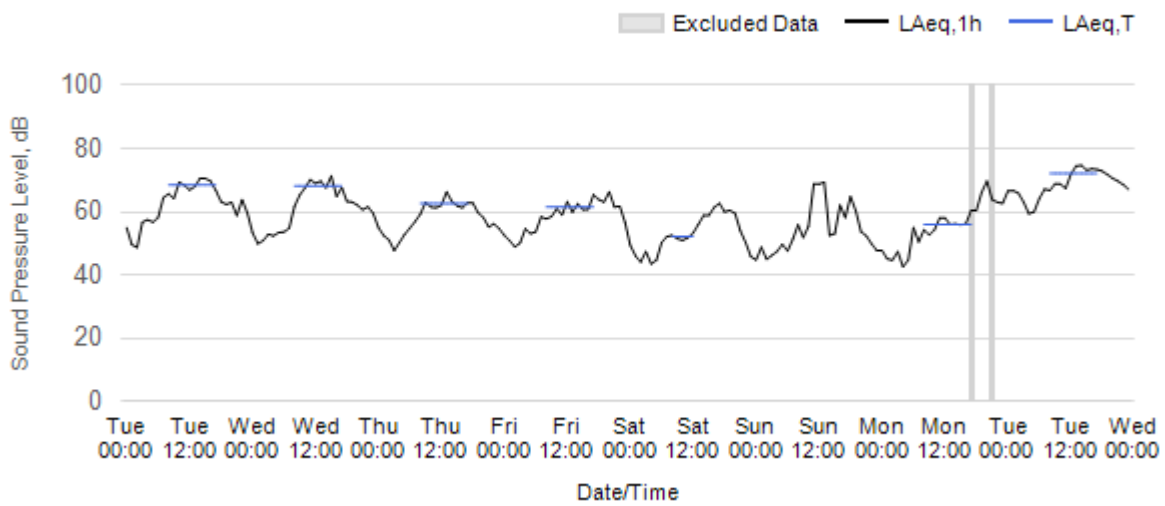
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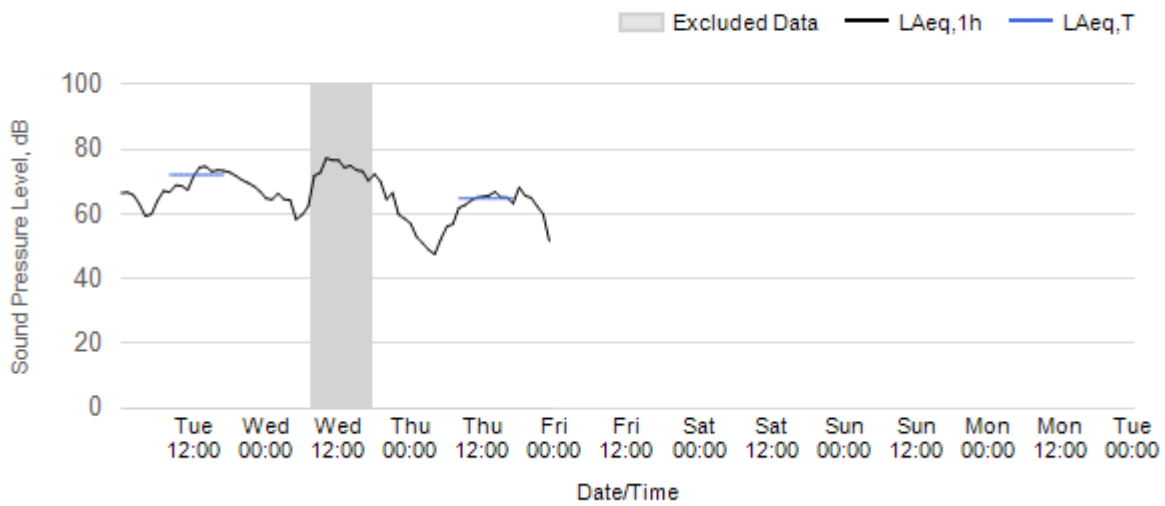
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Worksite: MFOS Monitoring Ref: N014 22 April 2026 to 28 April 2026

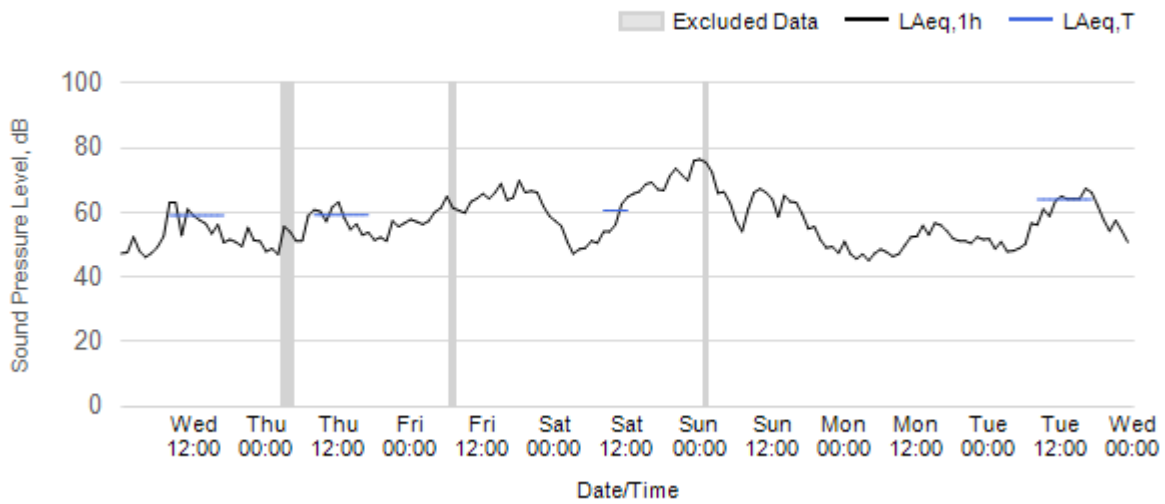


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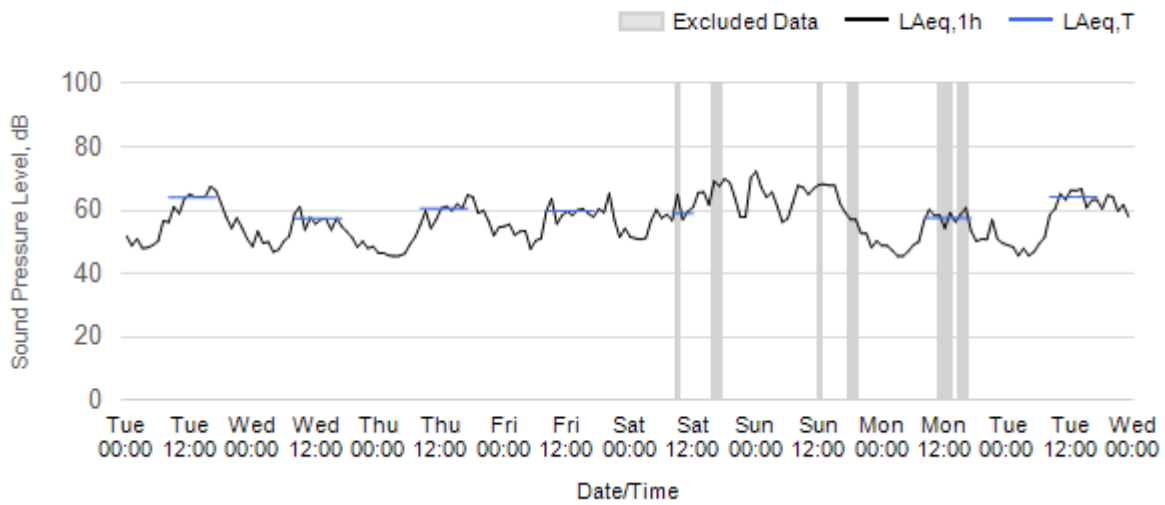


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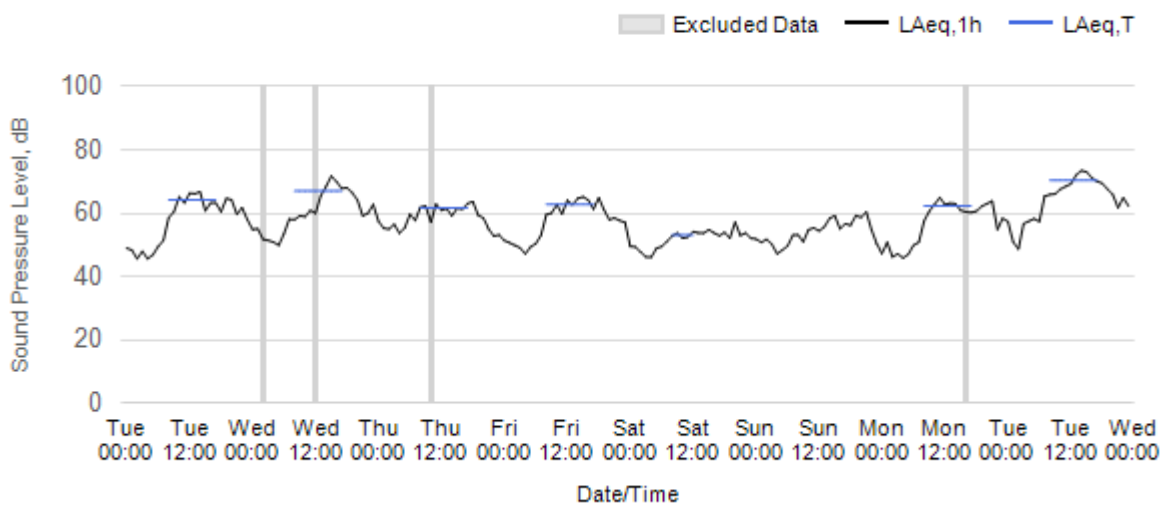
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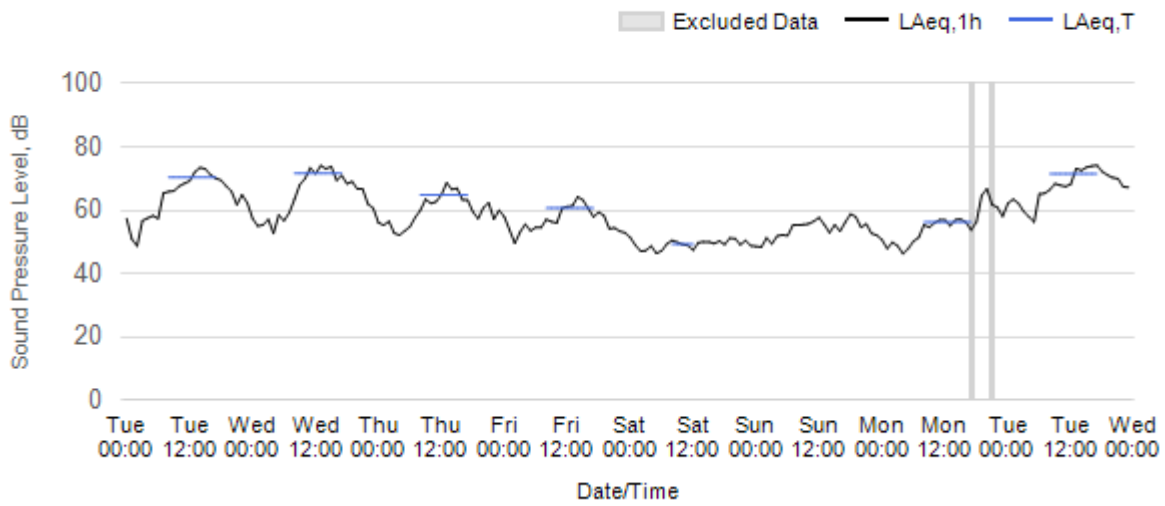
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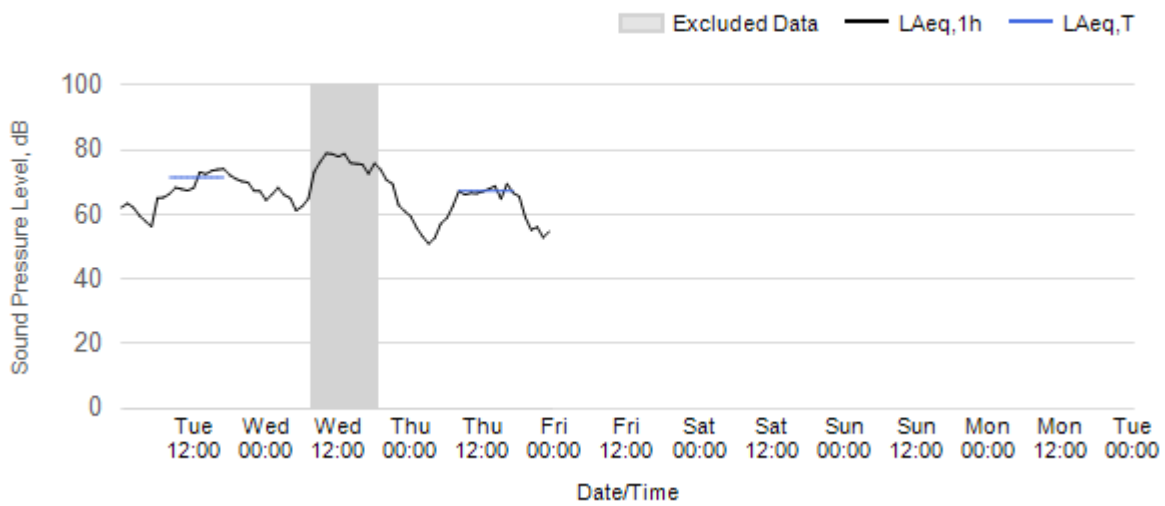
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Worksite: NTH-EN Monitoring Ref: N016 22 April 2026 to 28 April 2026

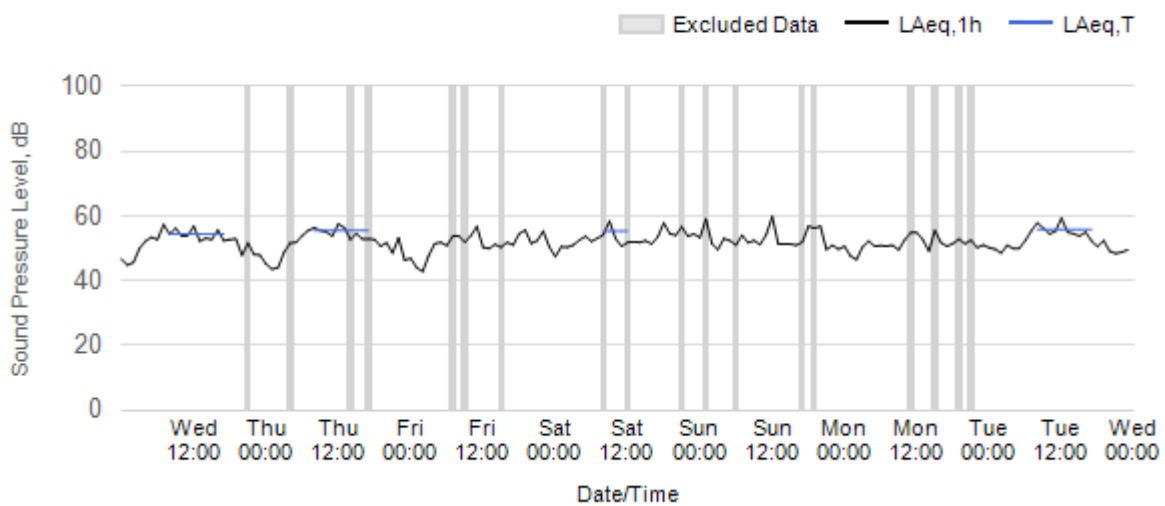


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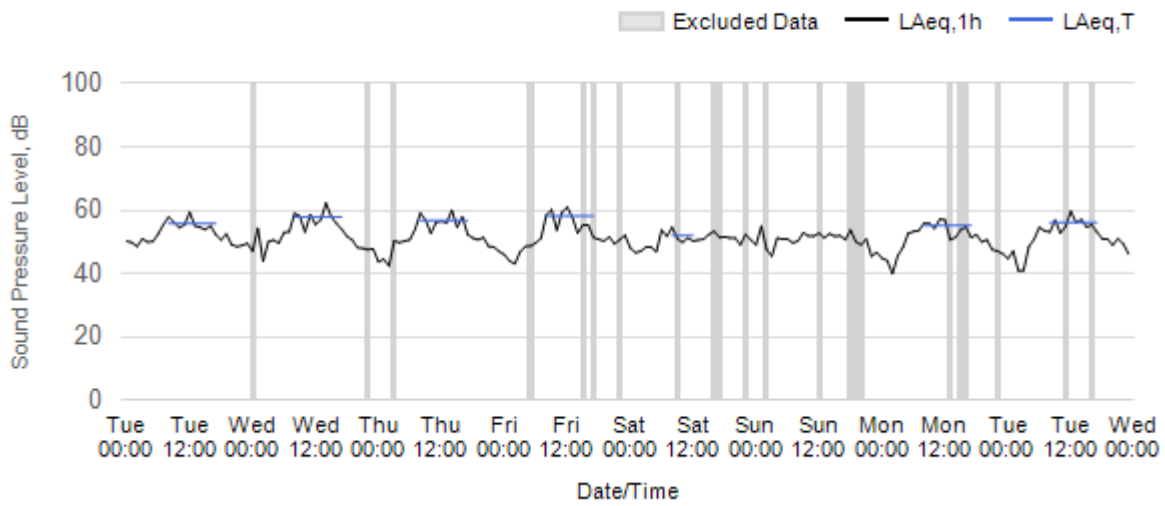


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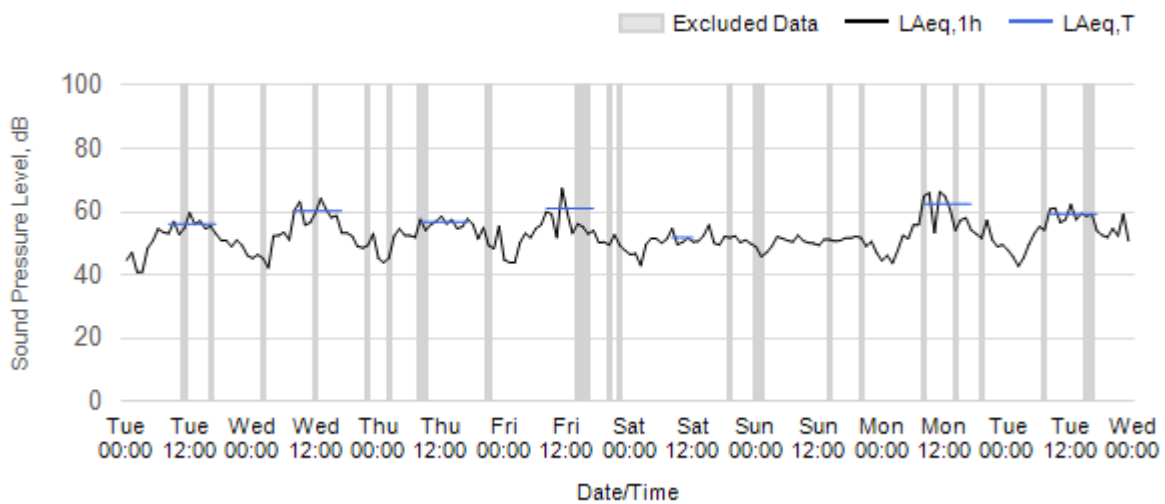
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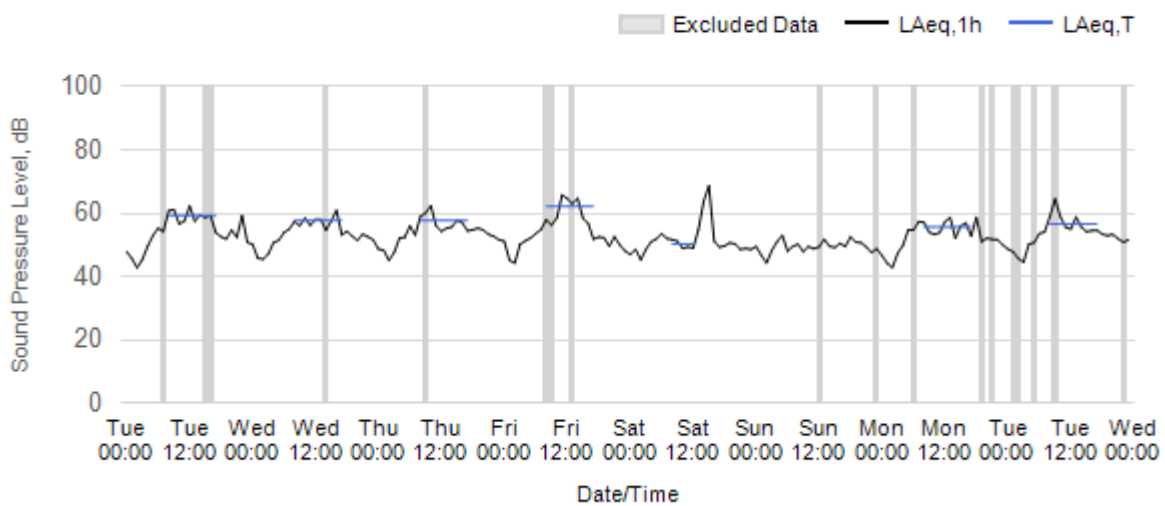
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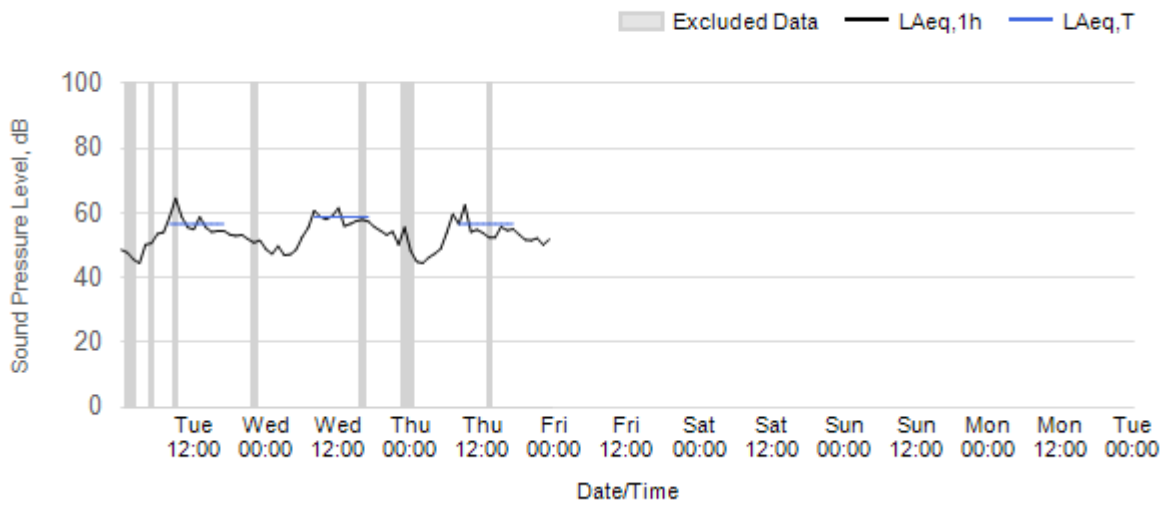
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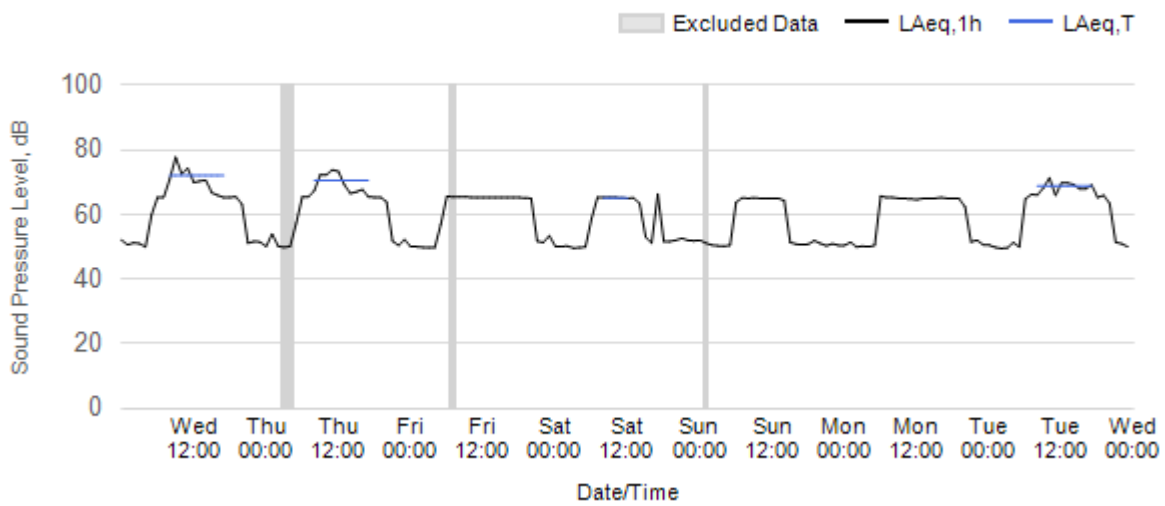


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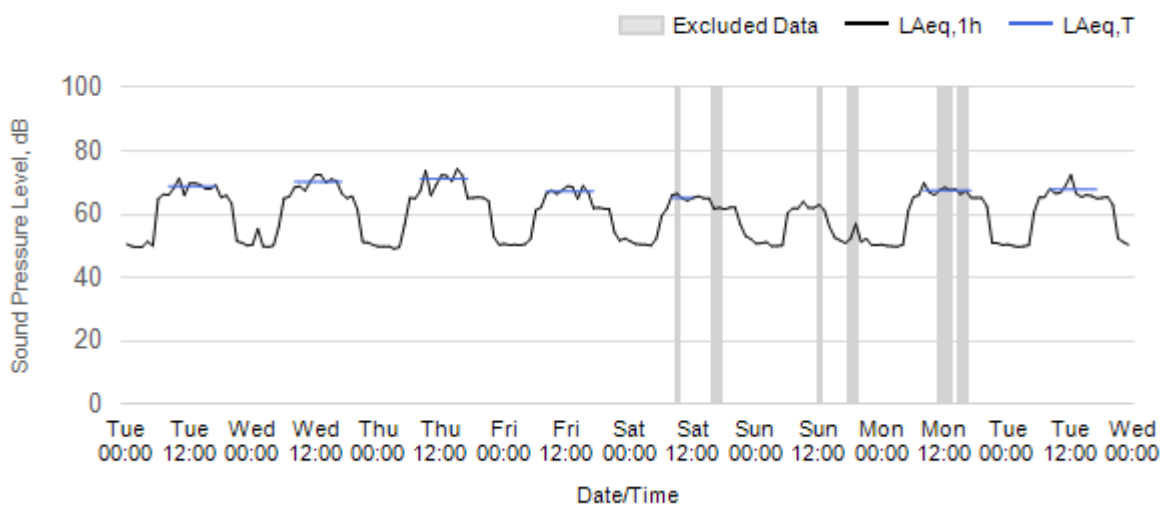


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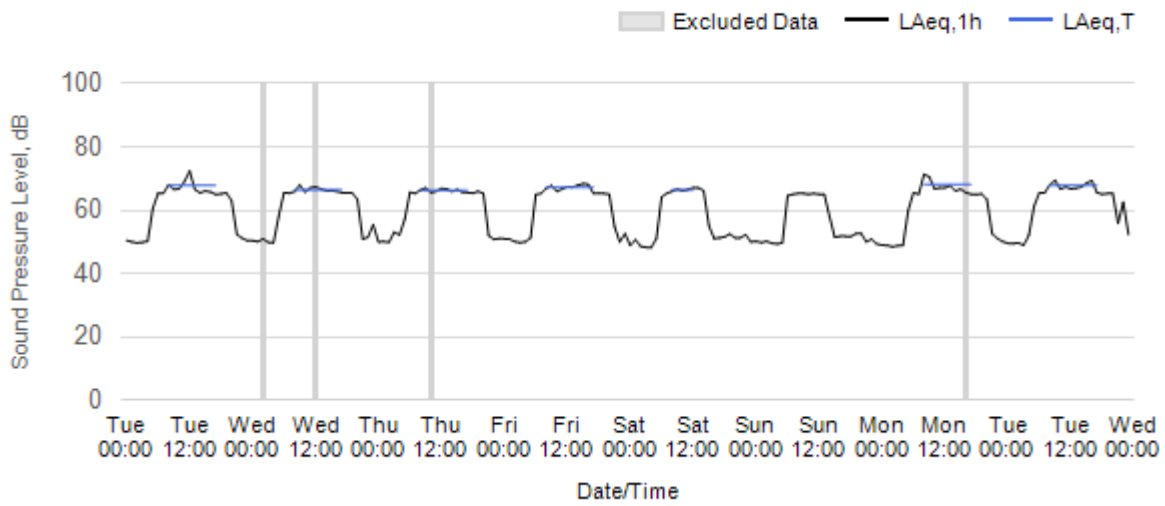
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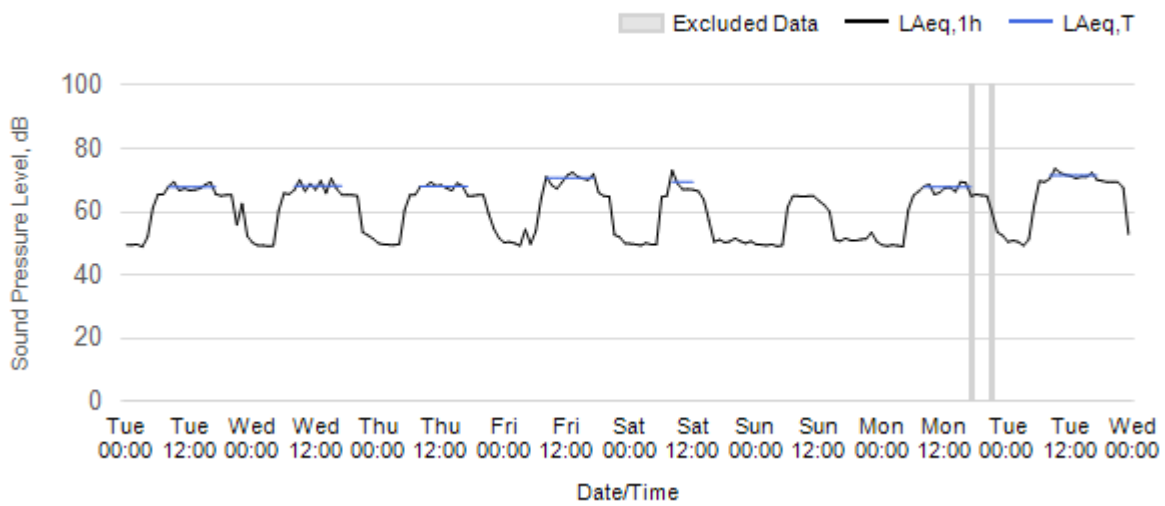
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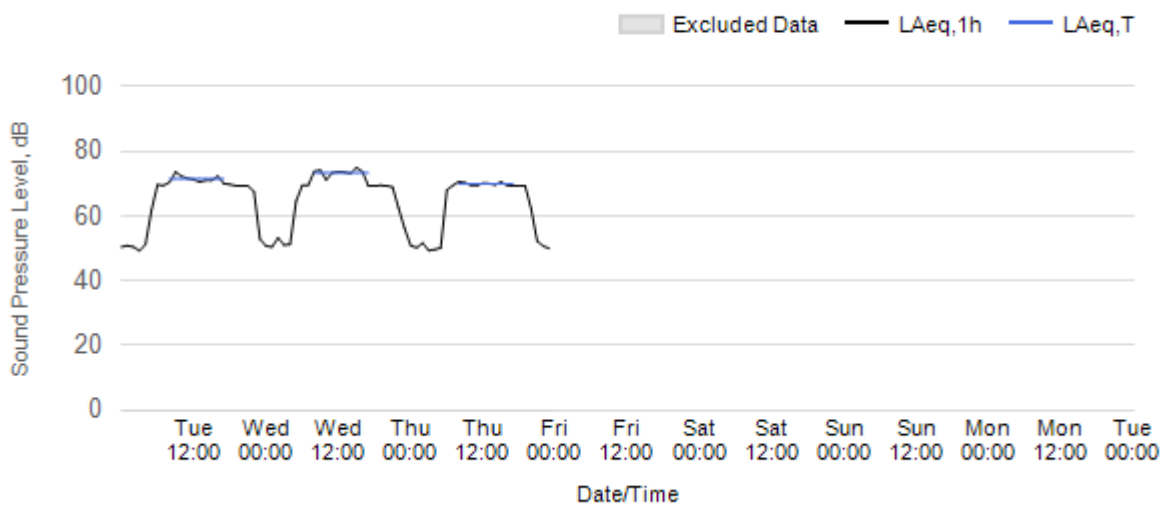
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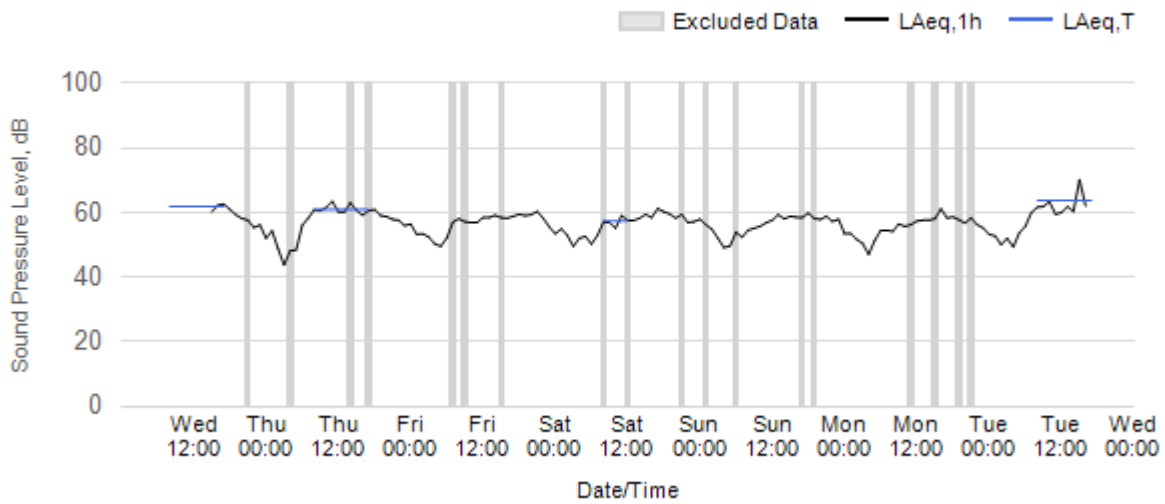


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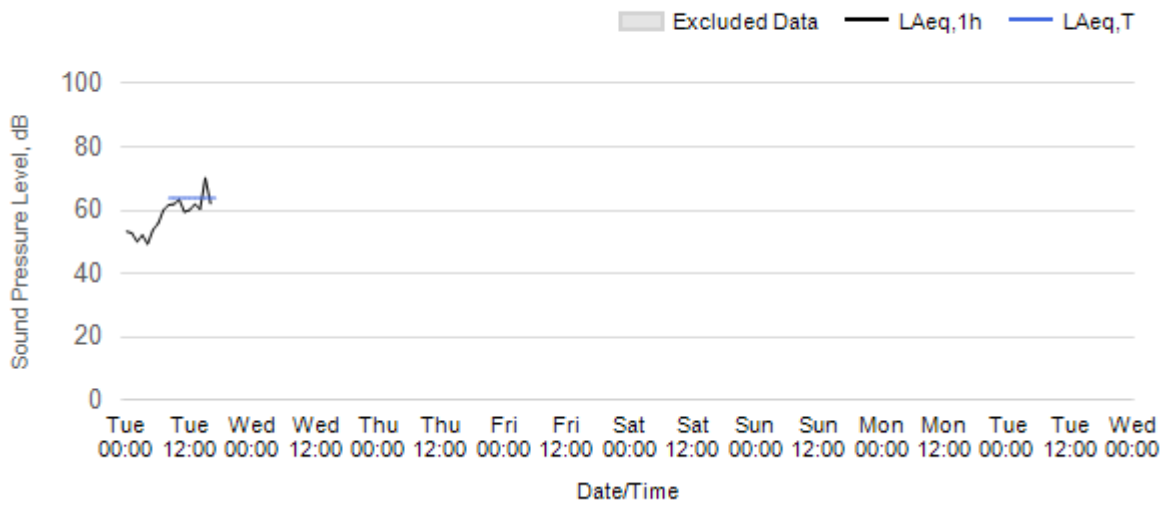


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Worksite: Euston Approaches Monitoring Ref: N003 01 April 2026 to 07 April 2026

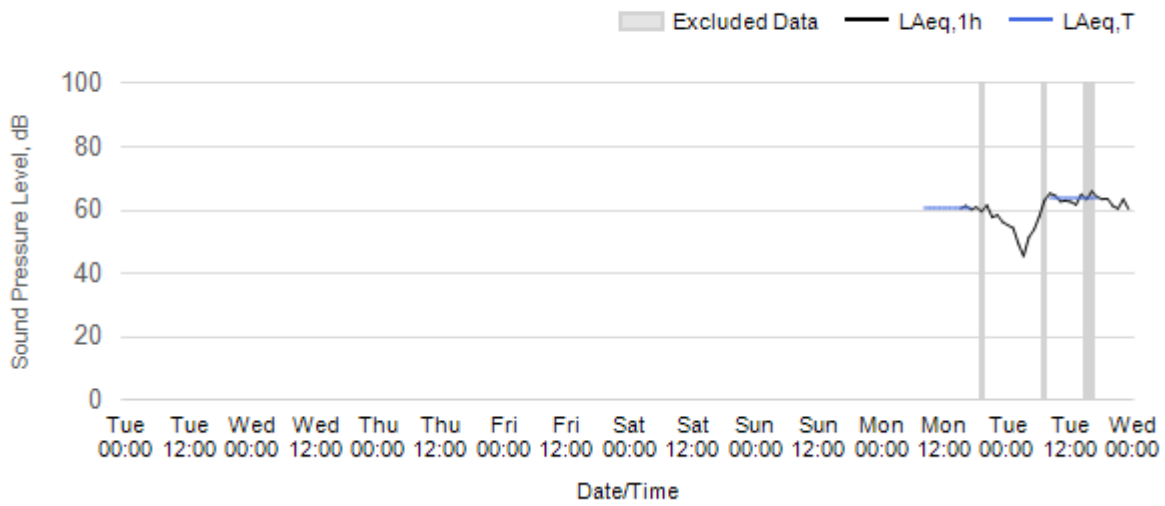


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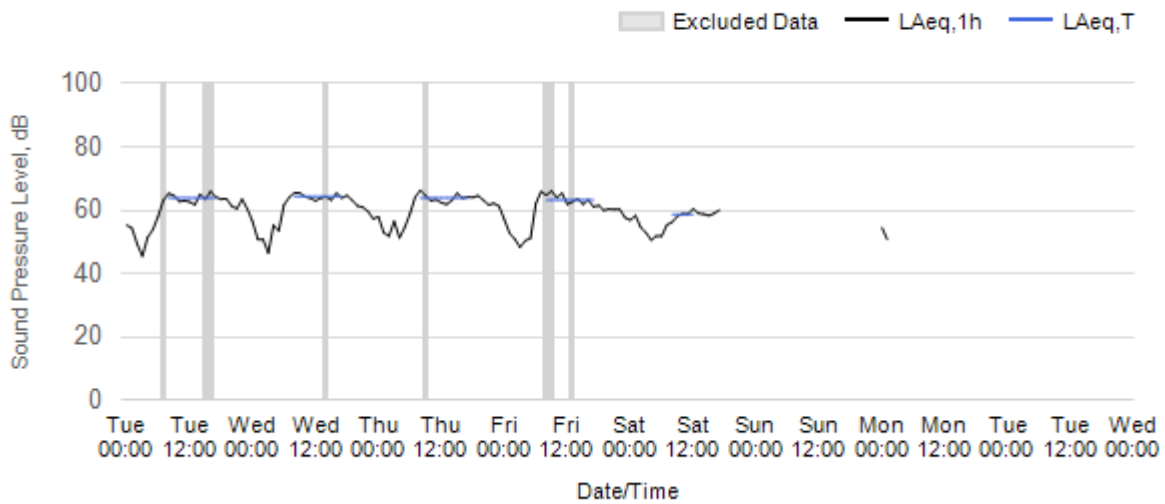
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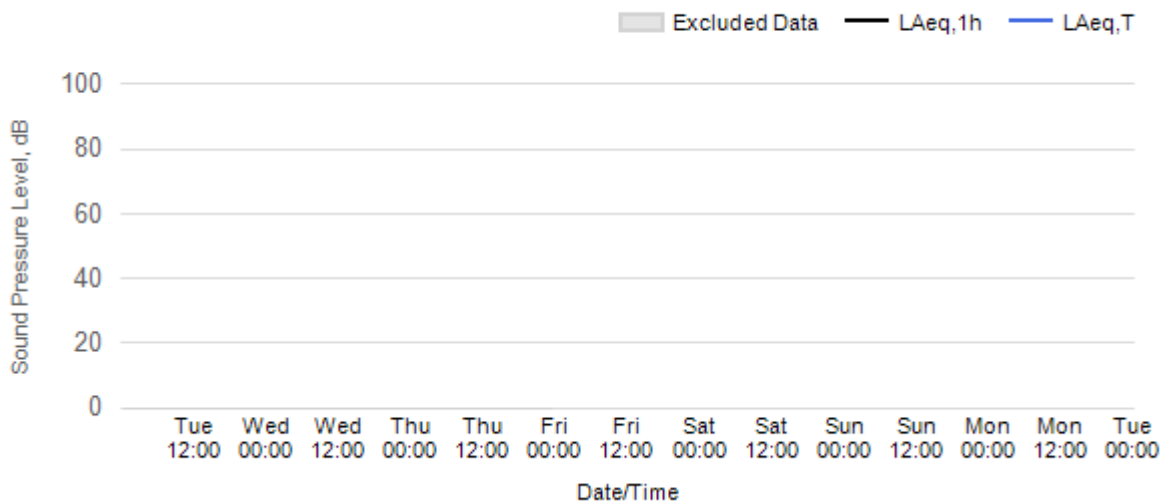
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Note: Missing data was due to a loss of power at the monitoring station

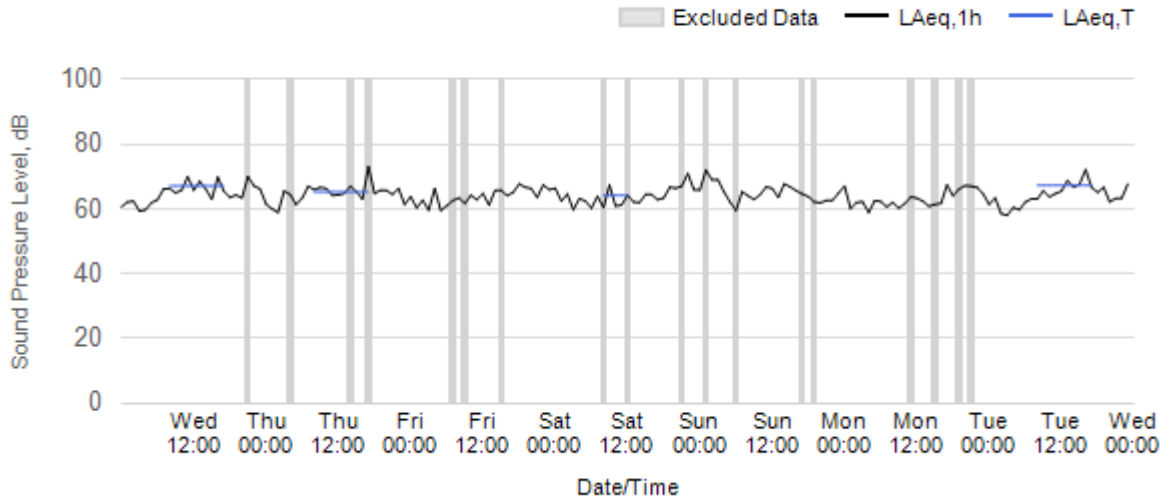
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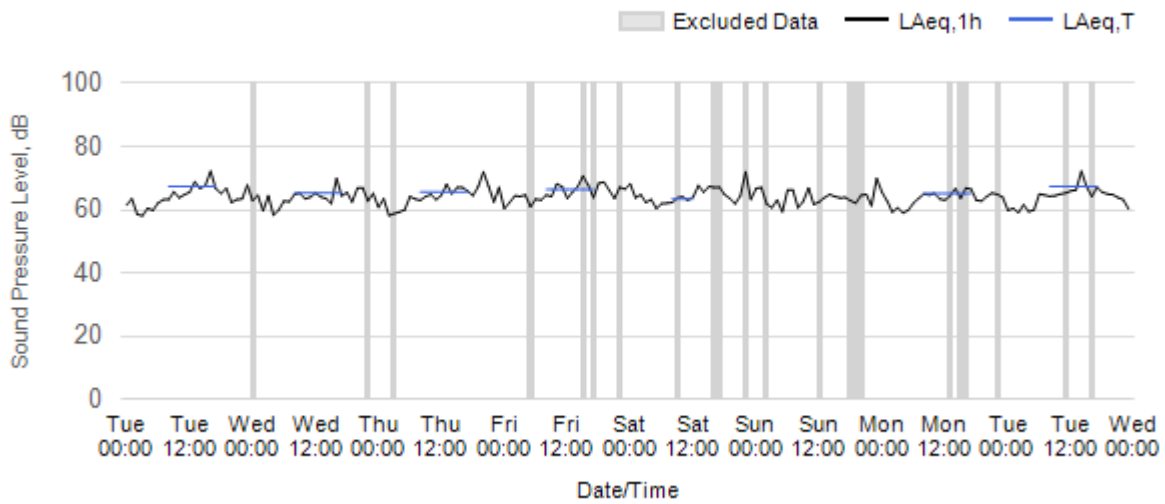
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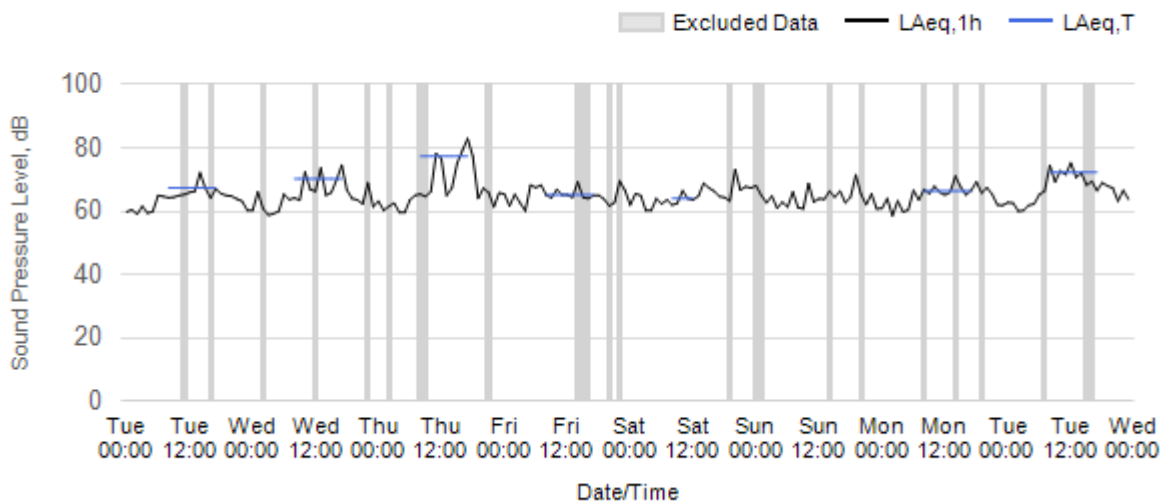
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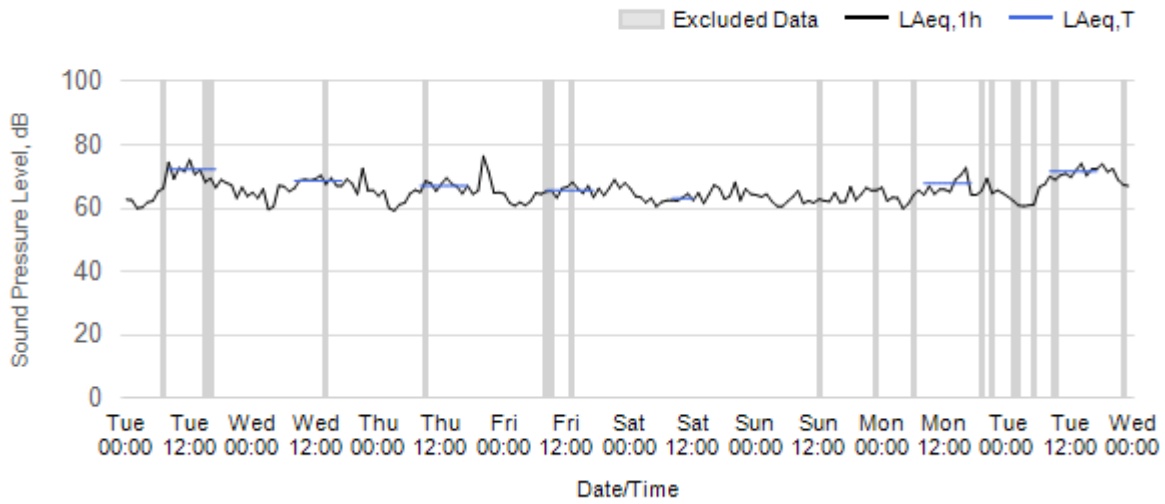
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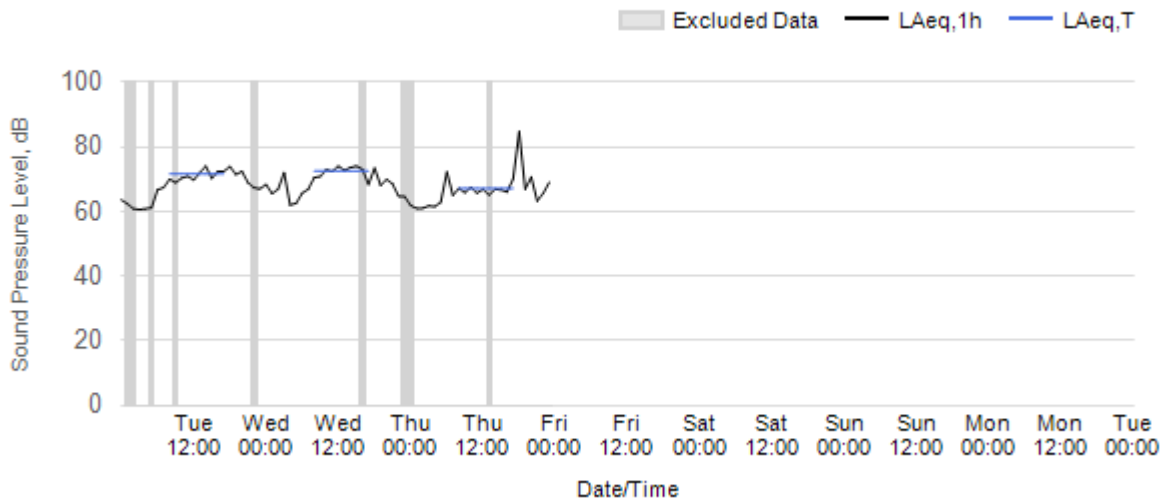
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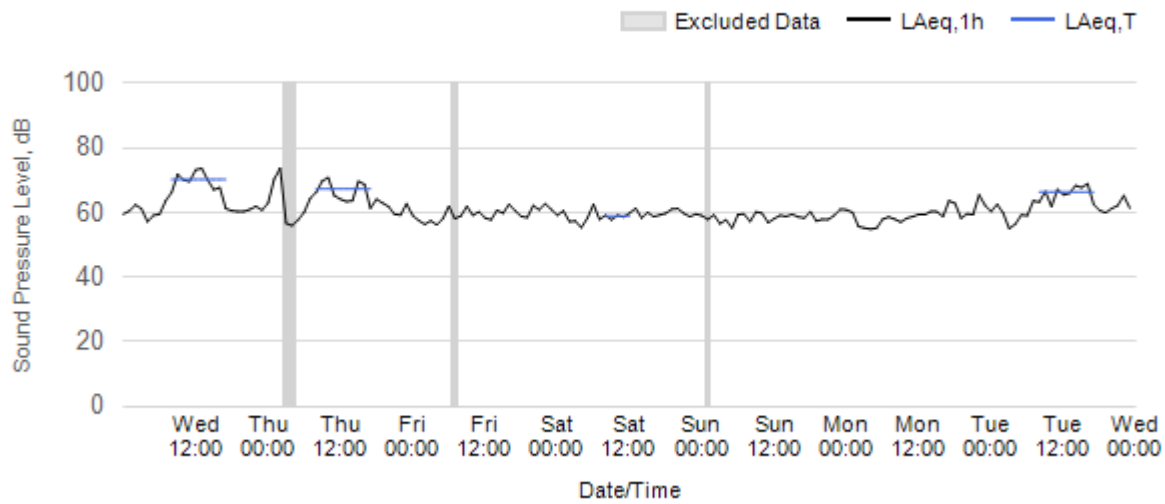


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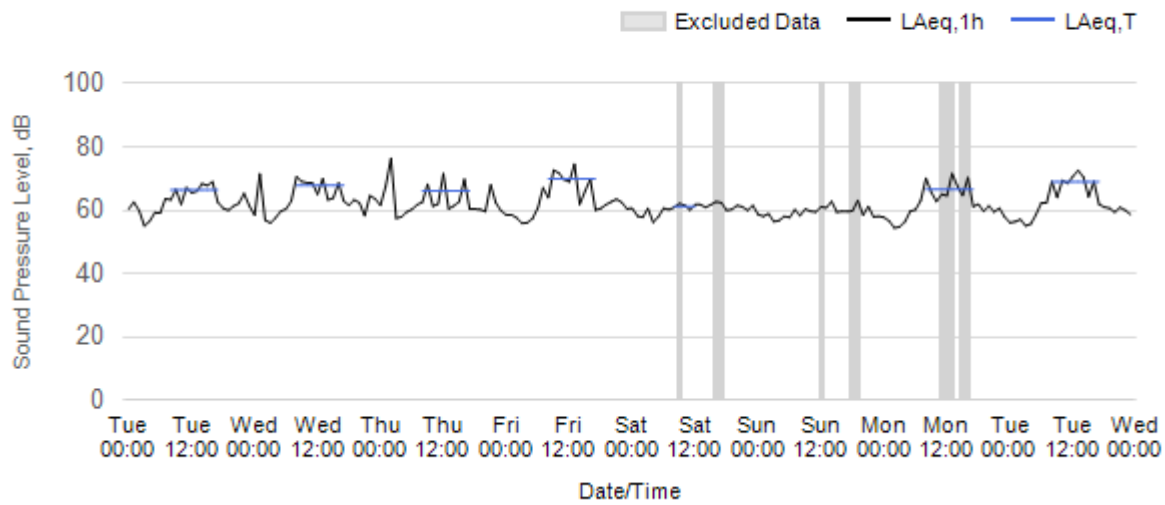
Note: No data measured throughout the month due to loss of power to the lighting column which supplies power to the monitoring station.

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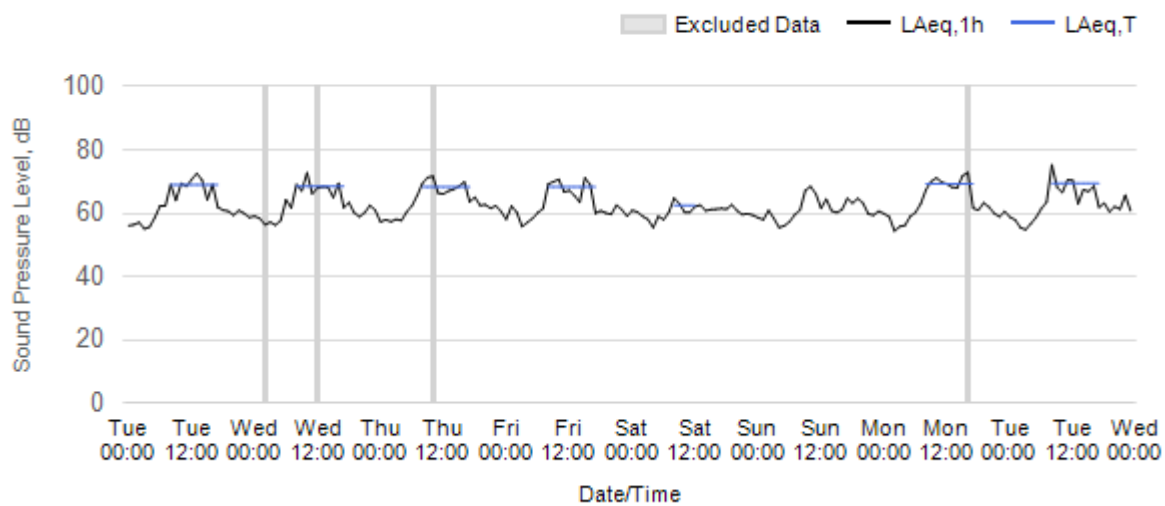
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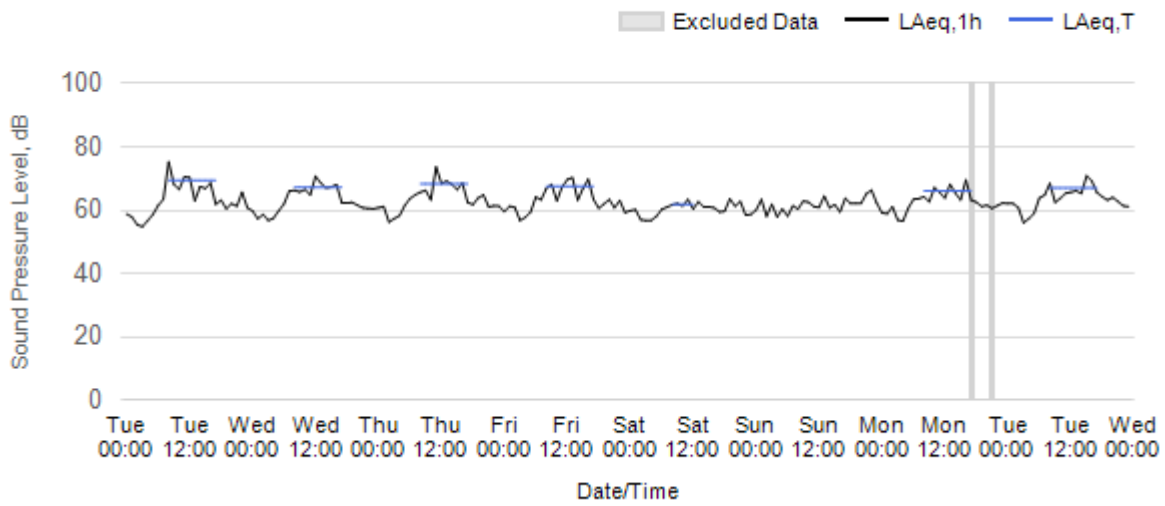
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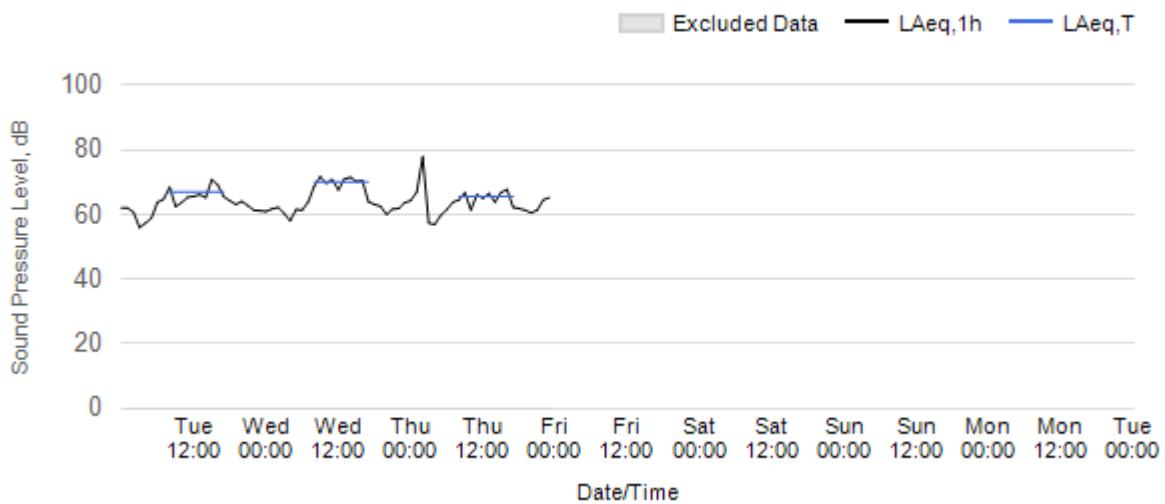
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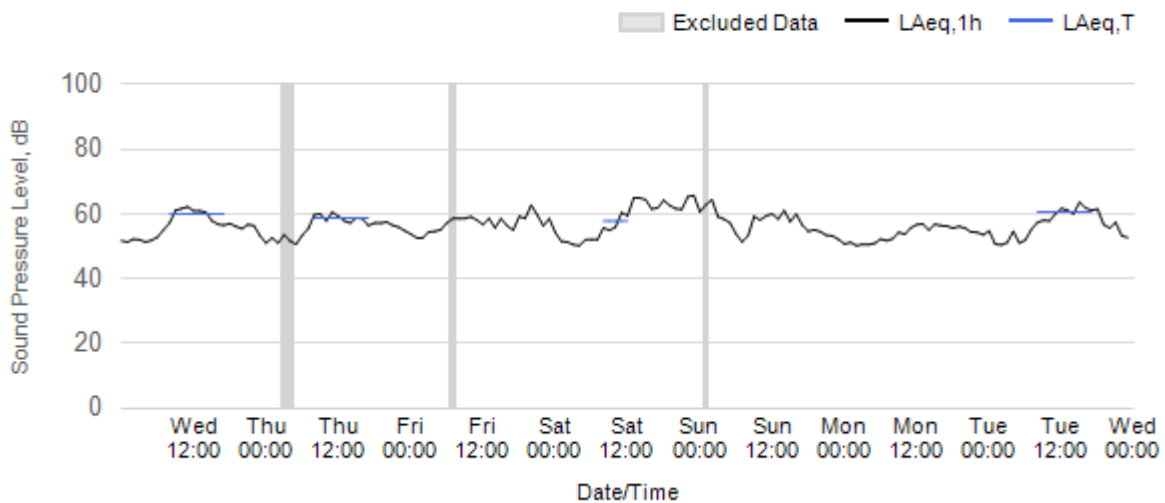


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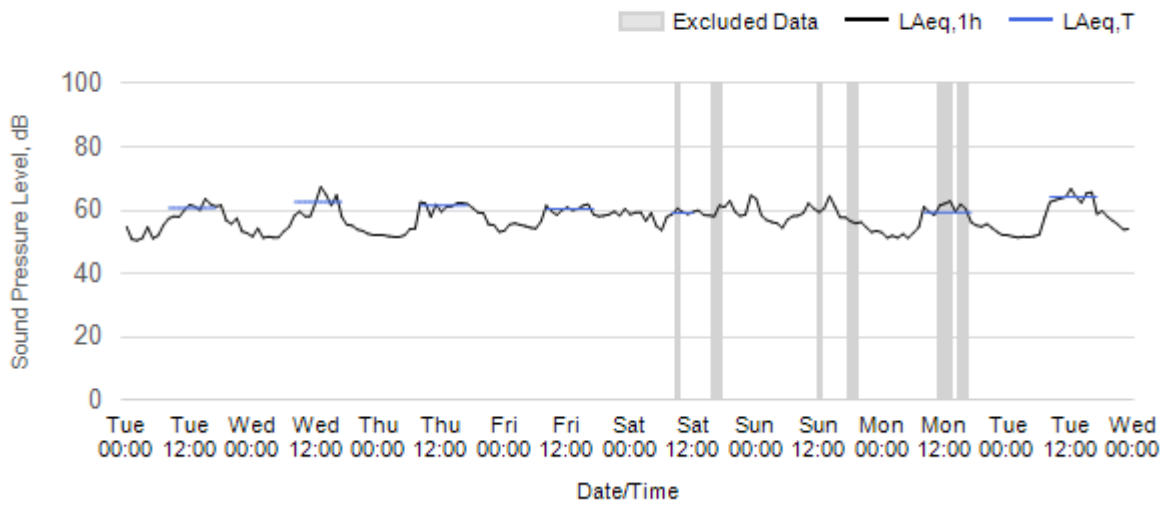


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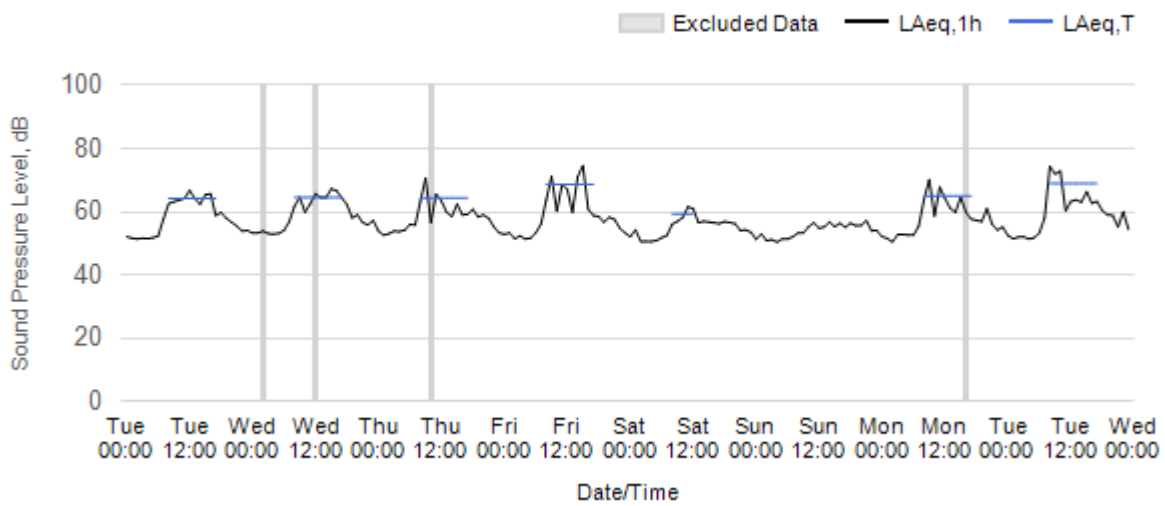
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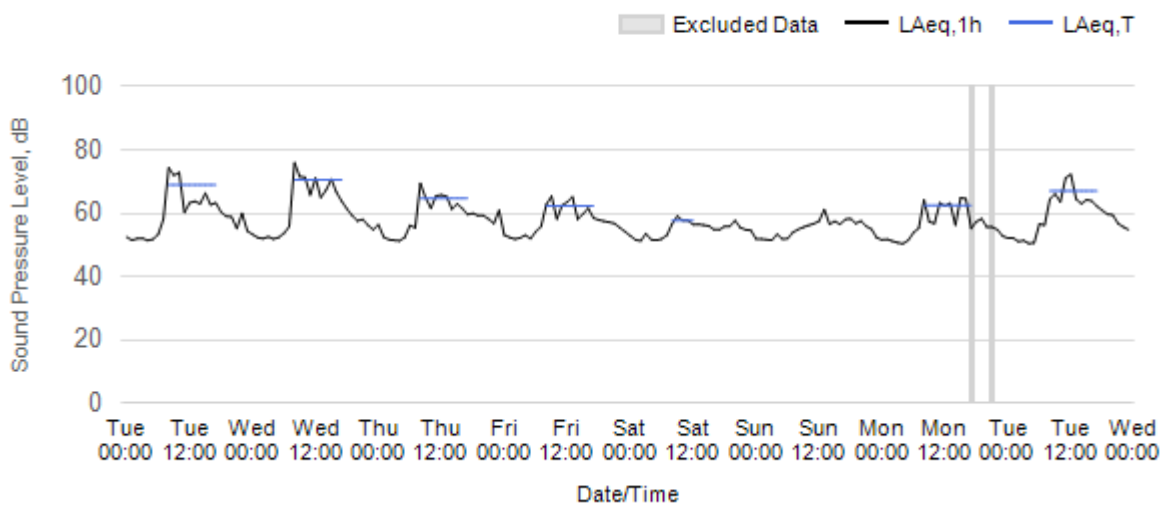
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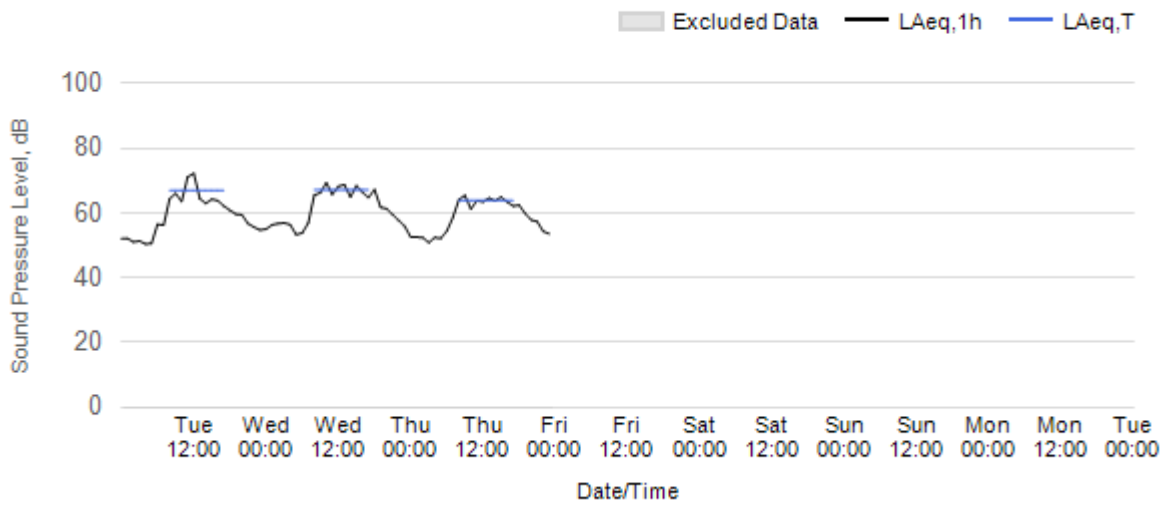
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Worksite: TSS Monitoring Ref: N012 22 April 2026 to 28 April 2026

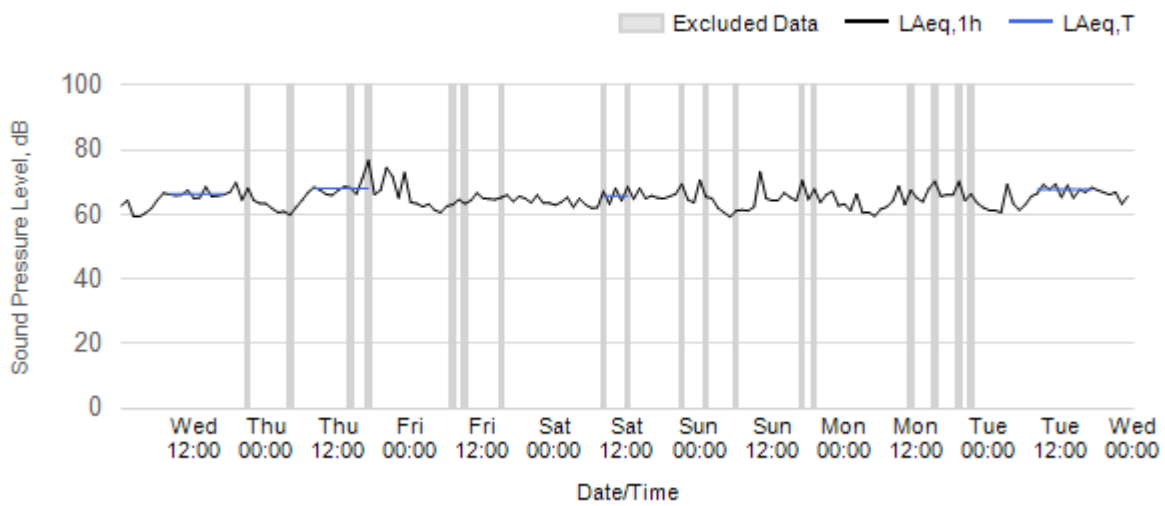


Worksite: TSS Monitoring Ref: N012 29 April 2026 to 5 May 2026

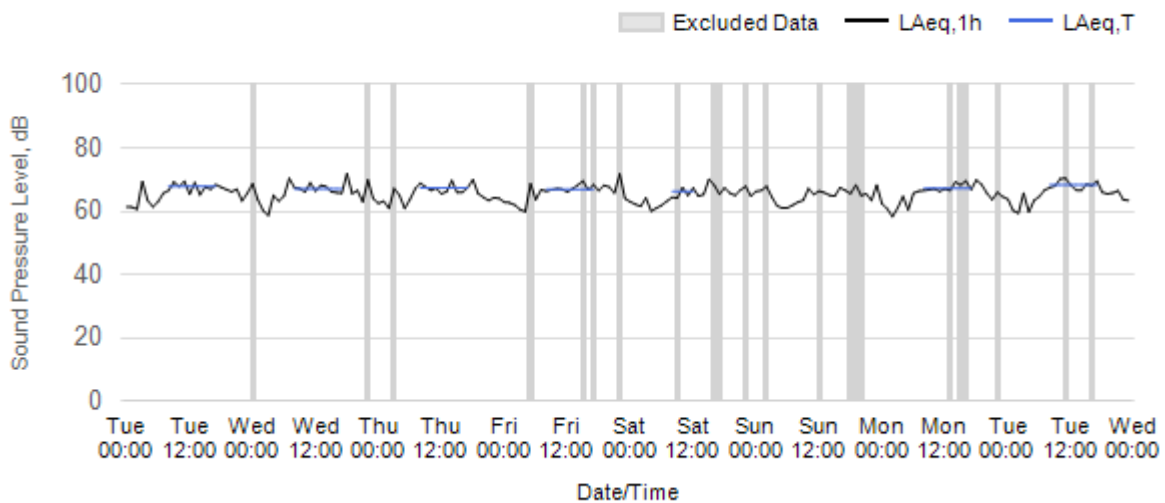


Worksite: ARVS - Monitoring Ref: N051

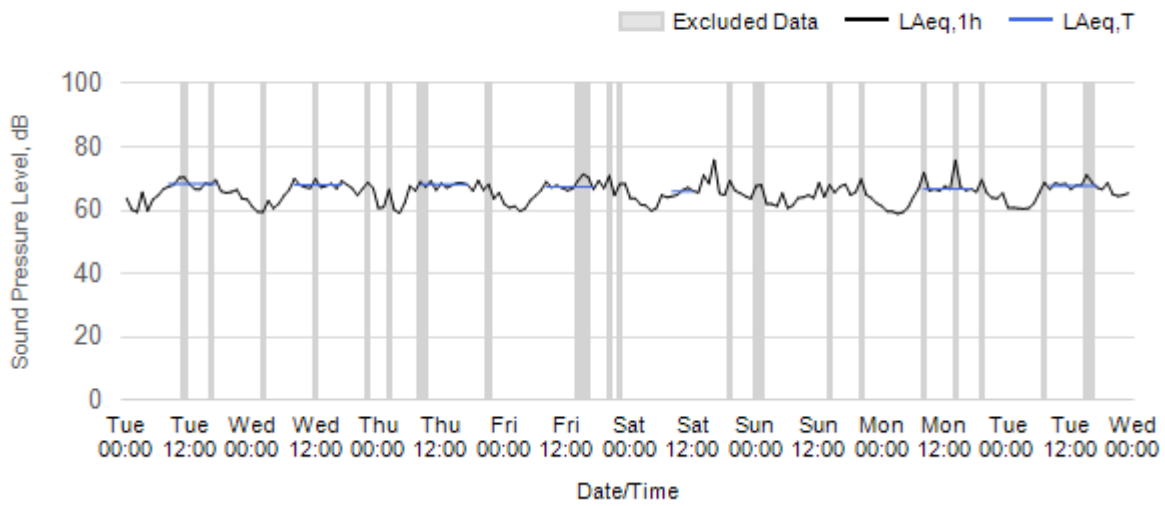
Worksite: ARVS Monitoring Ref: N051 01 April 2026 to 07 April 2026



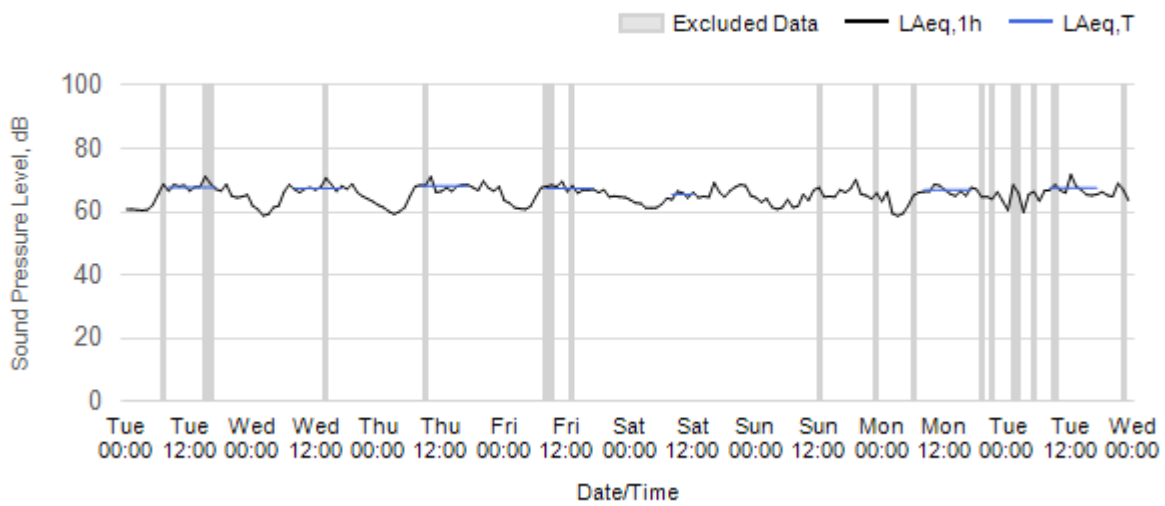
Worksite: ARVS Monitoring Ref: N051 08 April 2026 to 14 April 2026



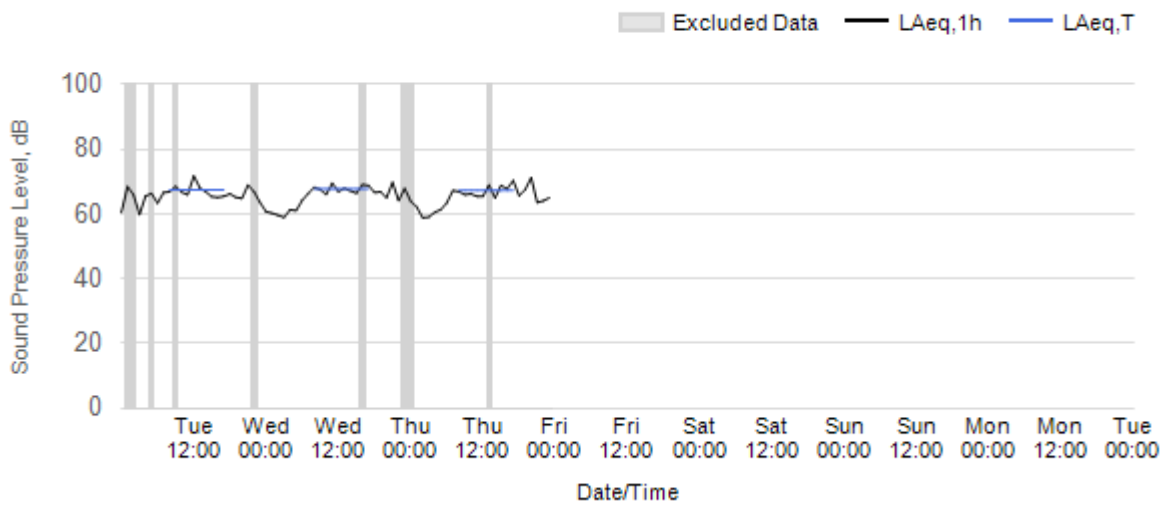
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Worksite: ARVS Monitoring Ref: N051 22 April 2026 to 28 April 2026

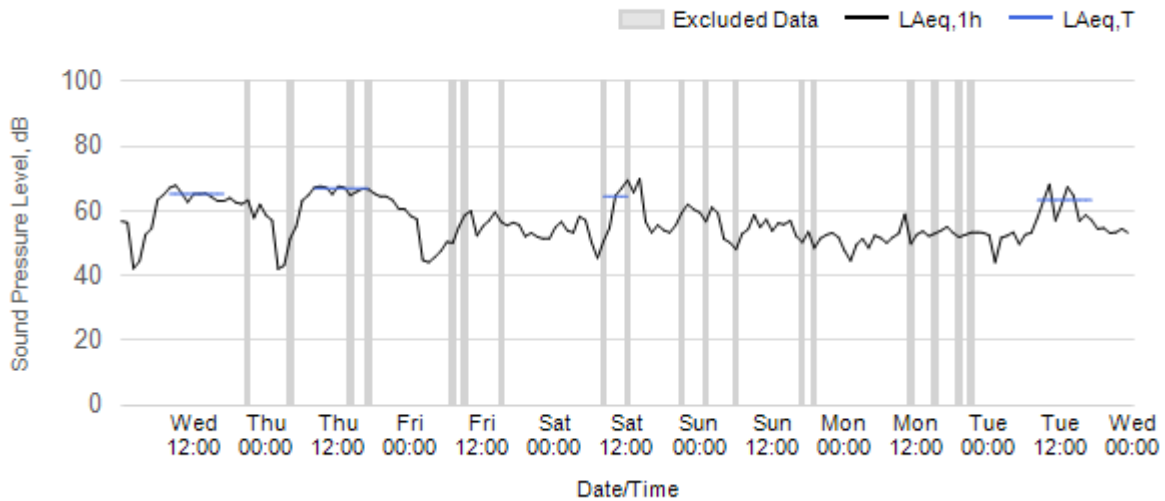


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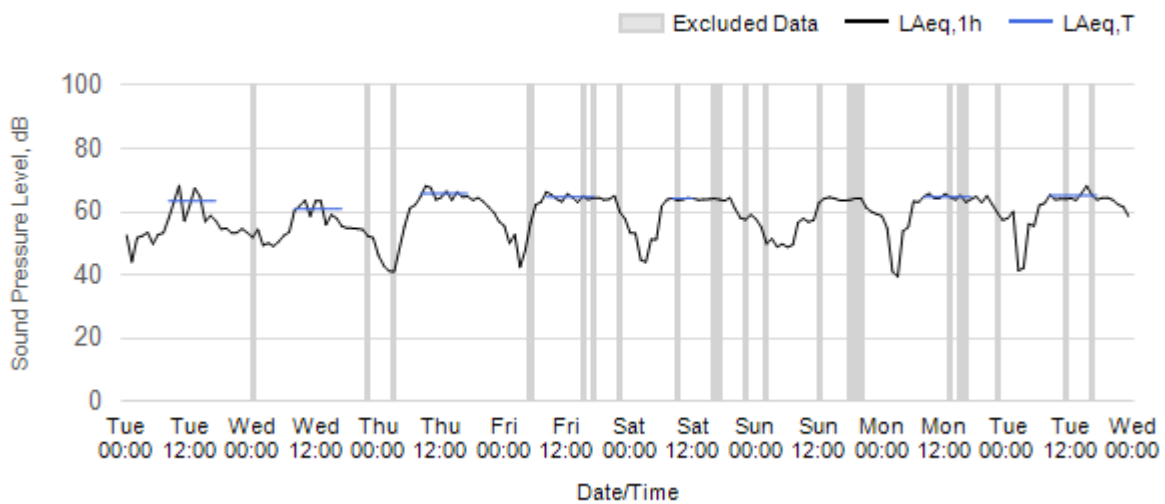


Worksite: Euston Approaches - Monitoring Ref: PVS-N001

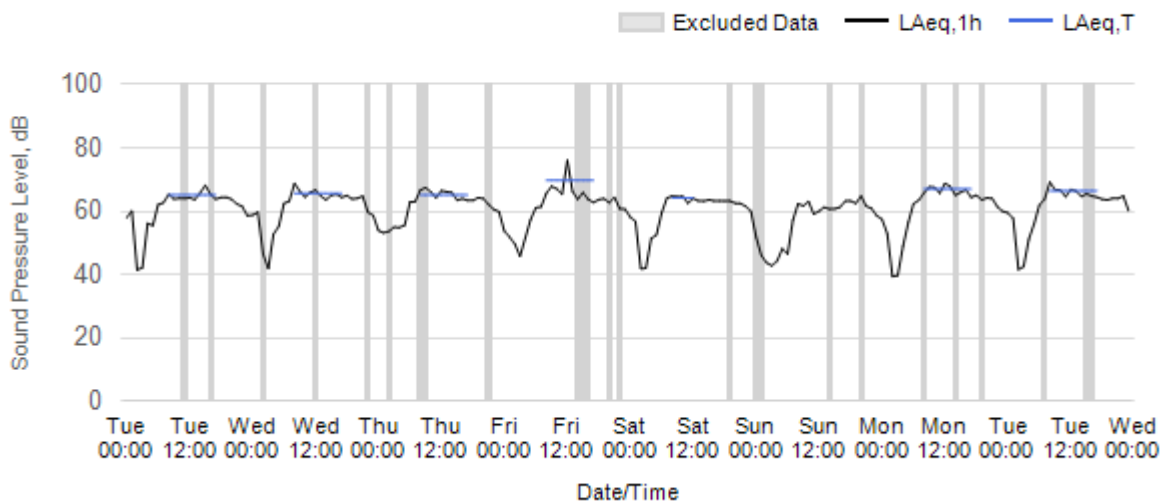
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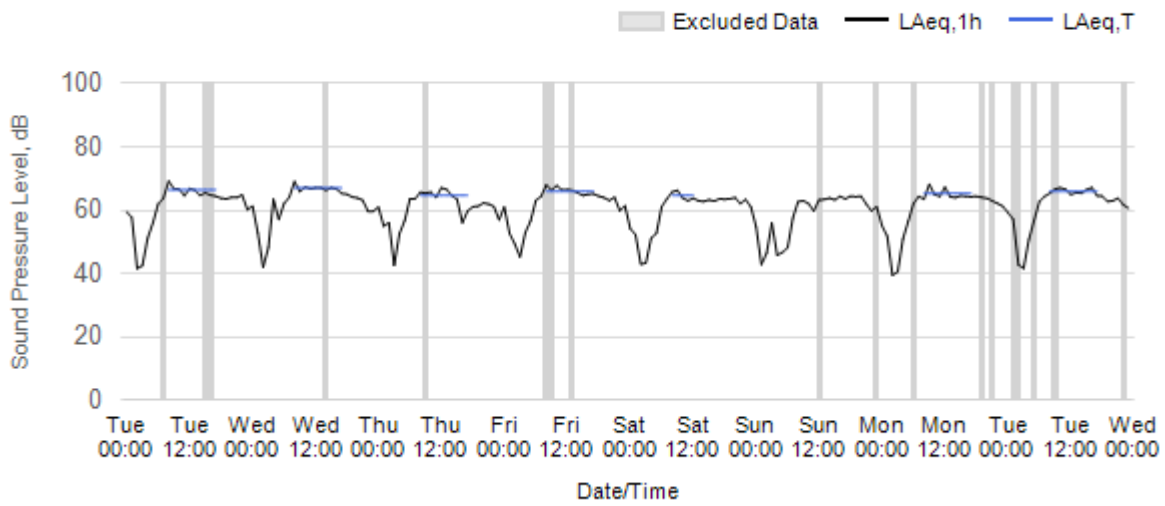
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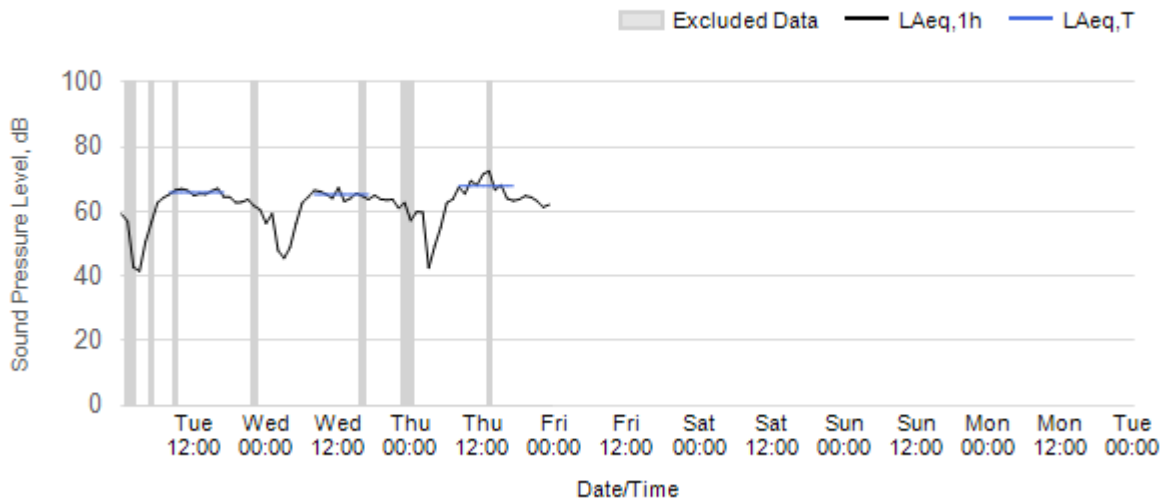
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Worksite: Euston Approaches Monitoring Ref: PVS-N001 22 April 2026 to 28 April 2026

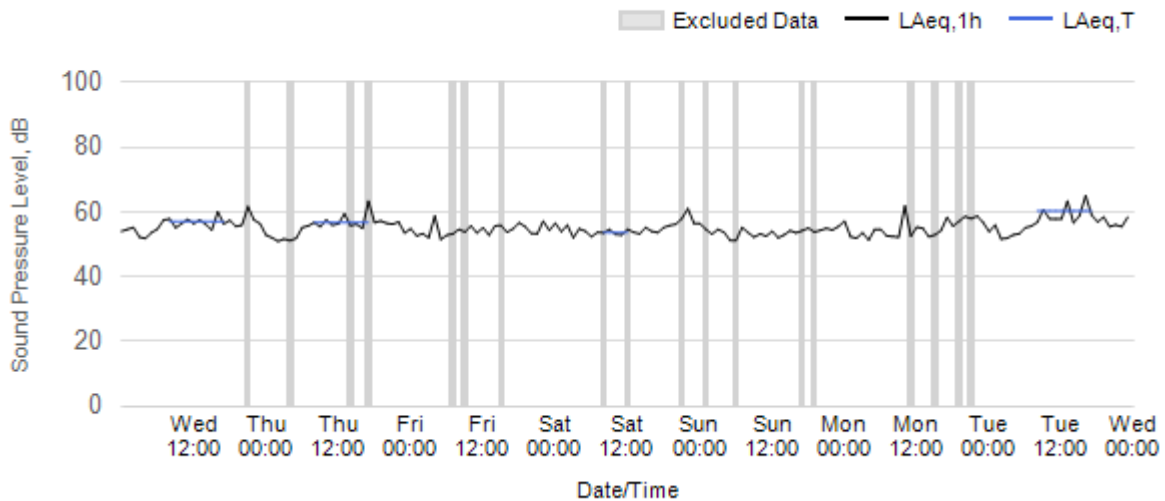


Worksite: Euston Approaches Monitoring Ref: PVS-N001 29 April 2026 to 5 May 2026

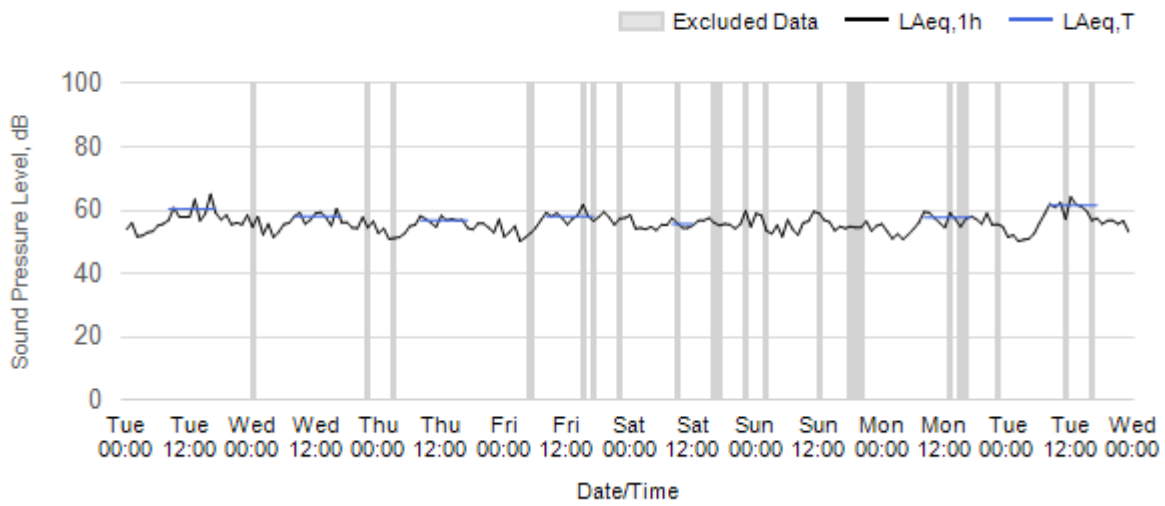


Worksite: Euston Approaches - Monitoring Ref: N026a

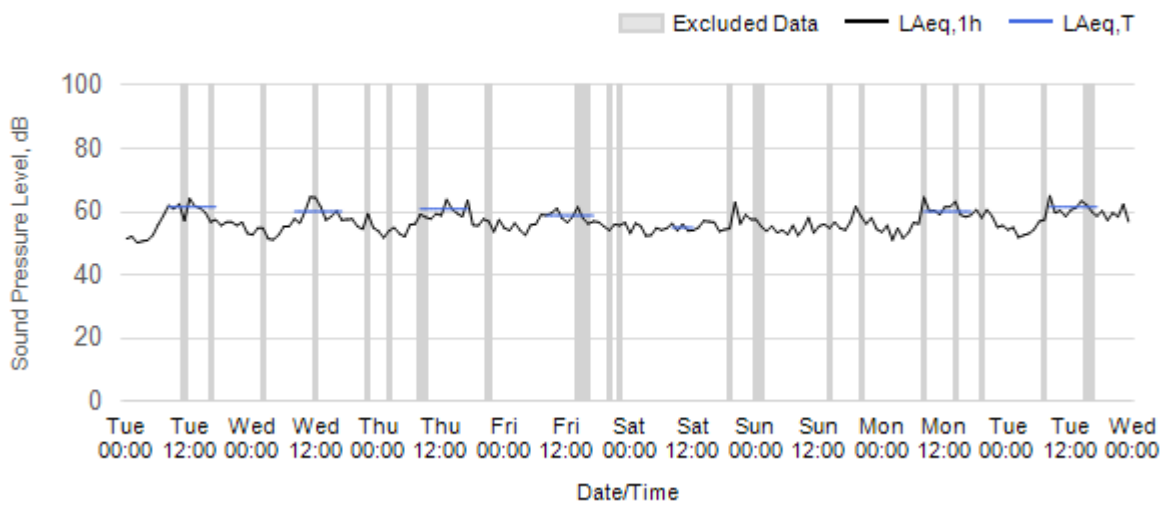
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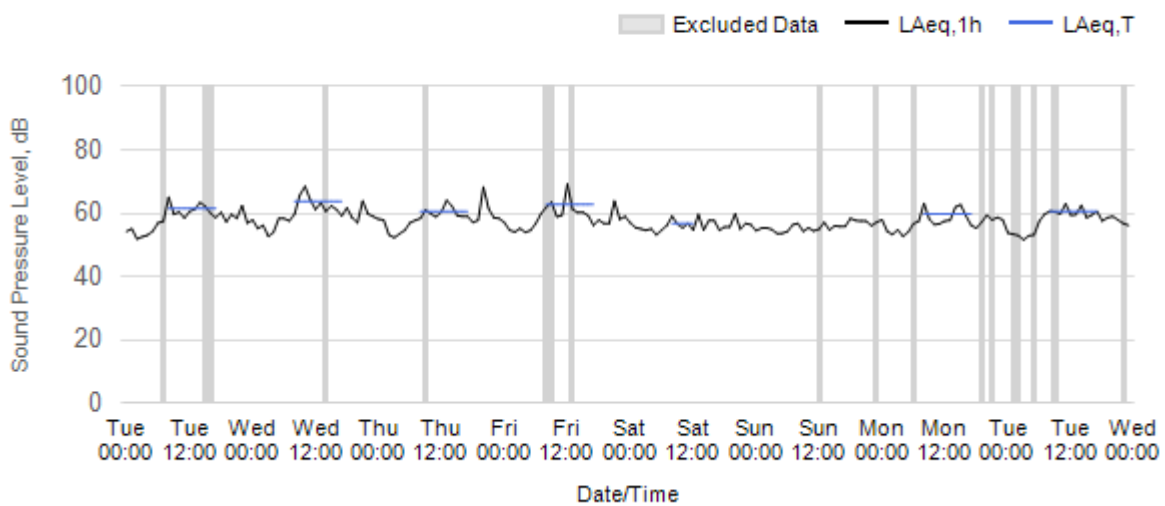
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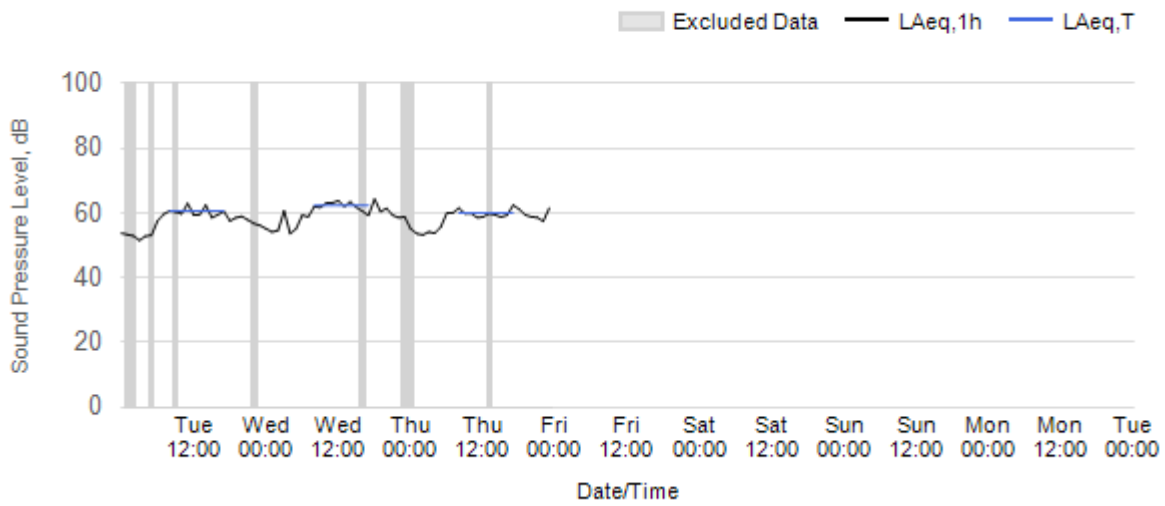
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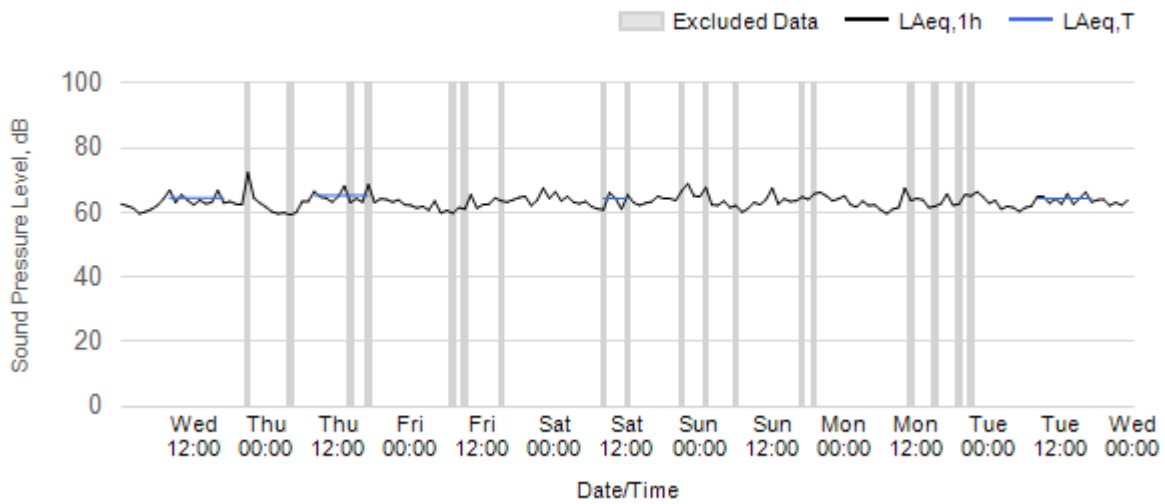


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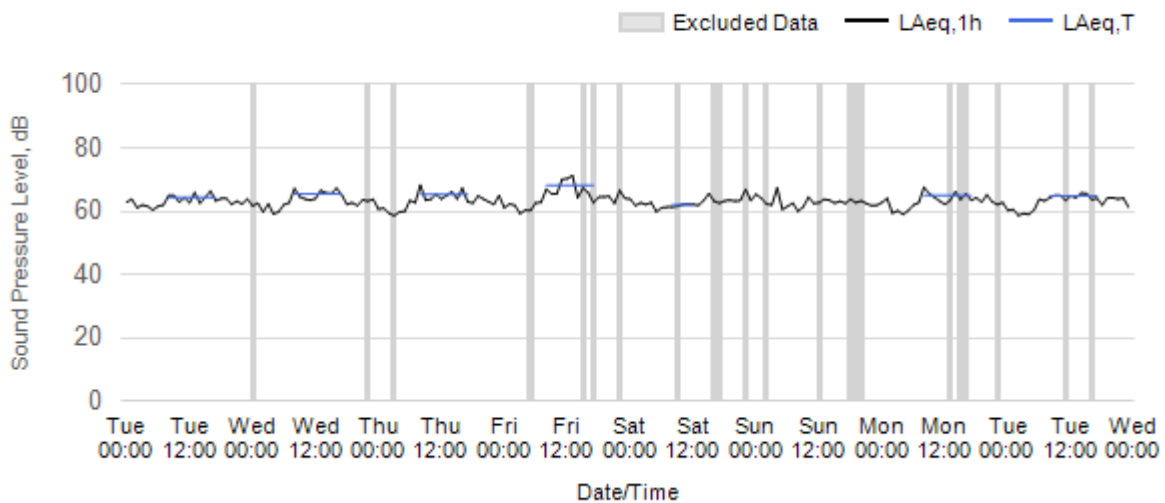


Worksite: Euston Approaches - Monitoring Ref: N023B

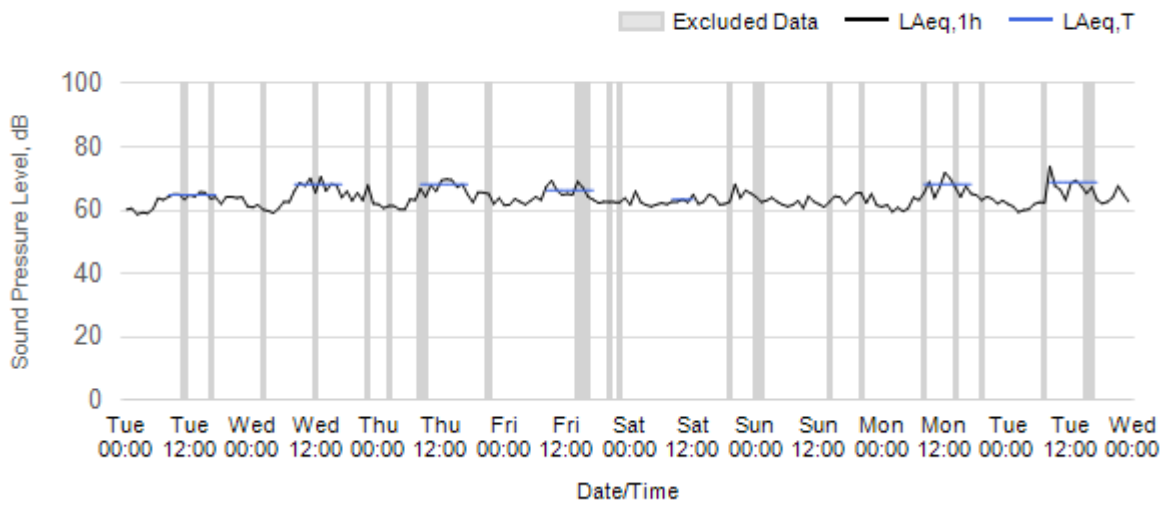
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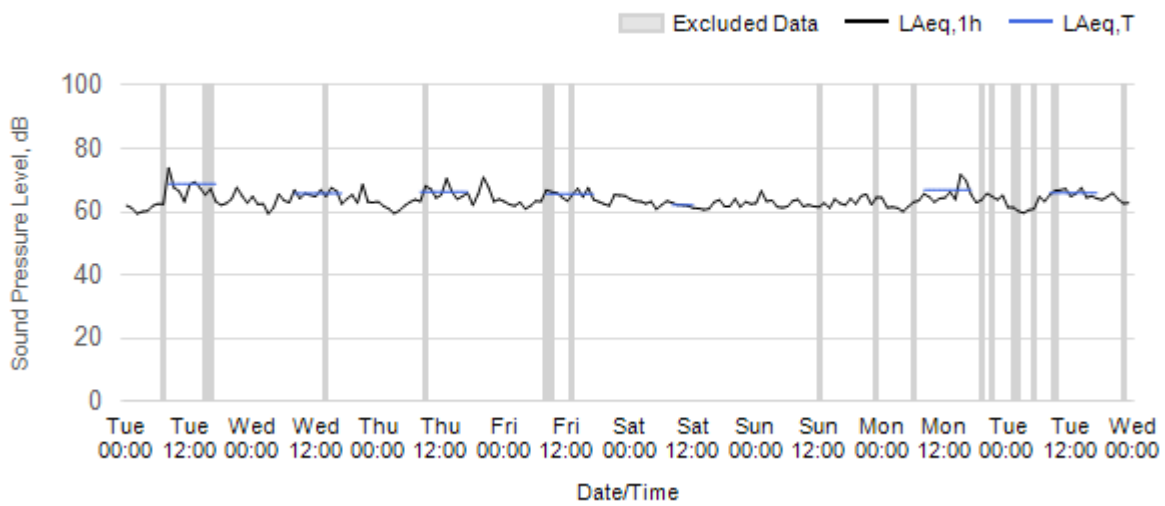
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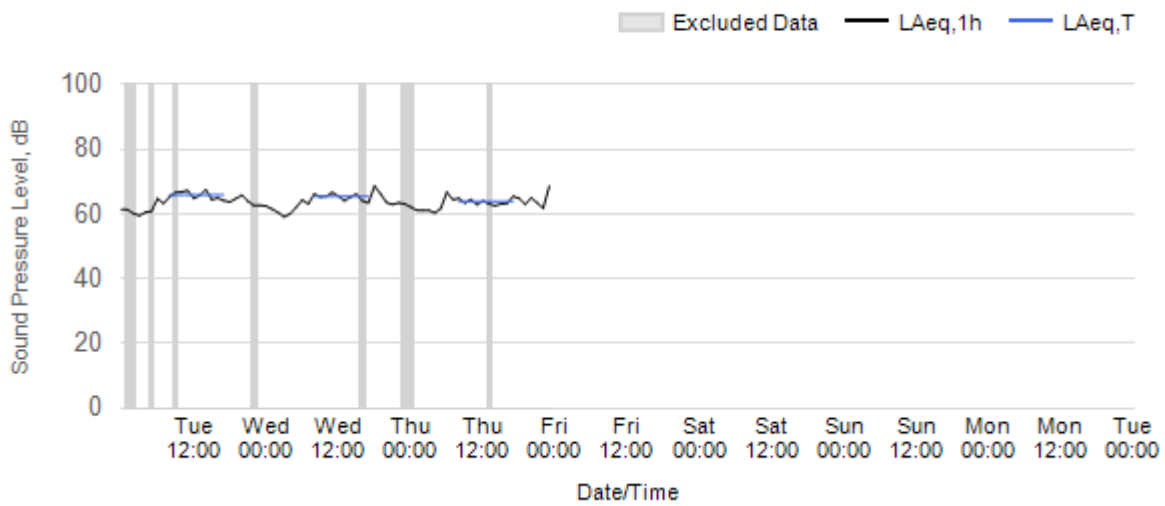
Worksite: Euston Approaches Monitoring Ref: N023B 15 April 2026 to 21 April 2026



Worksite: Euston Approaches Monitoring Ref: N023B 22 April 2026 to 28 April 2026

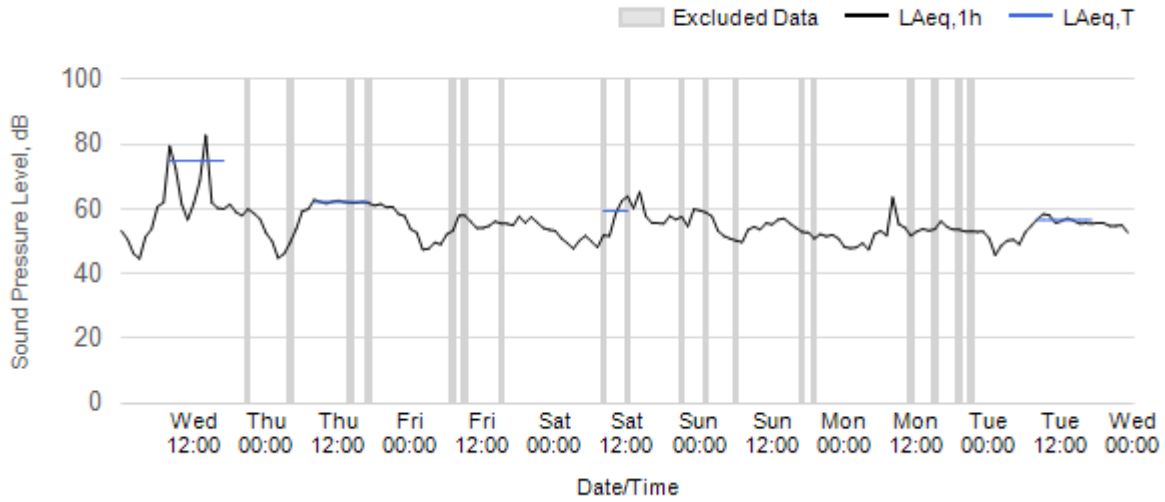


Worksite: Euston Approaches Monitoring Ref: N023B 29 April 2026 to 5 May 2026

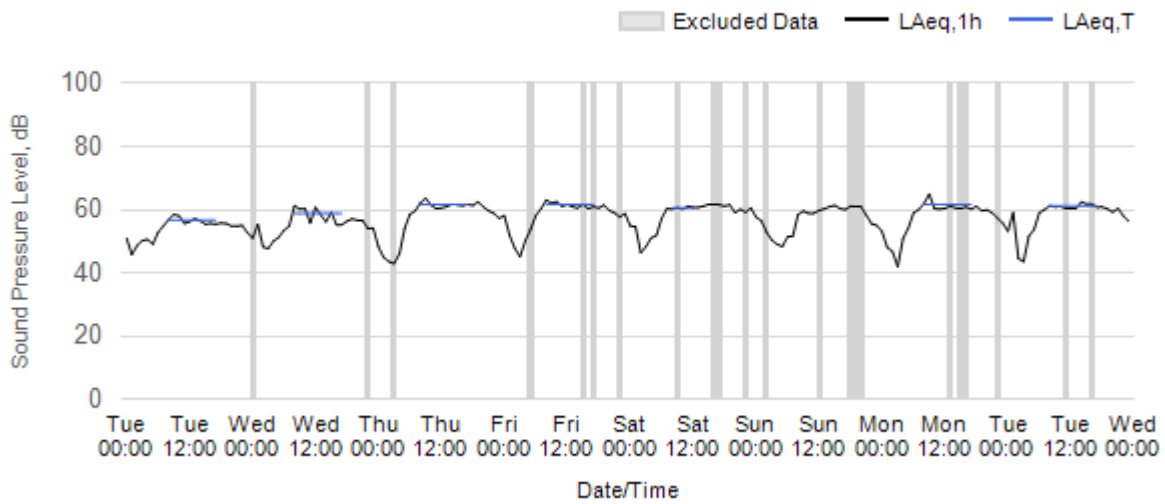


Worksite: Euston Approaches - Monitoring Ref: N046

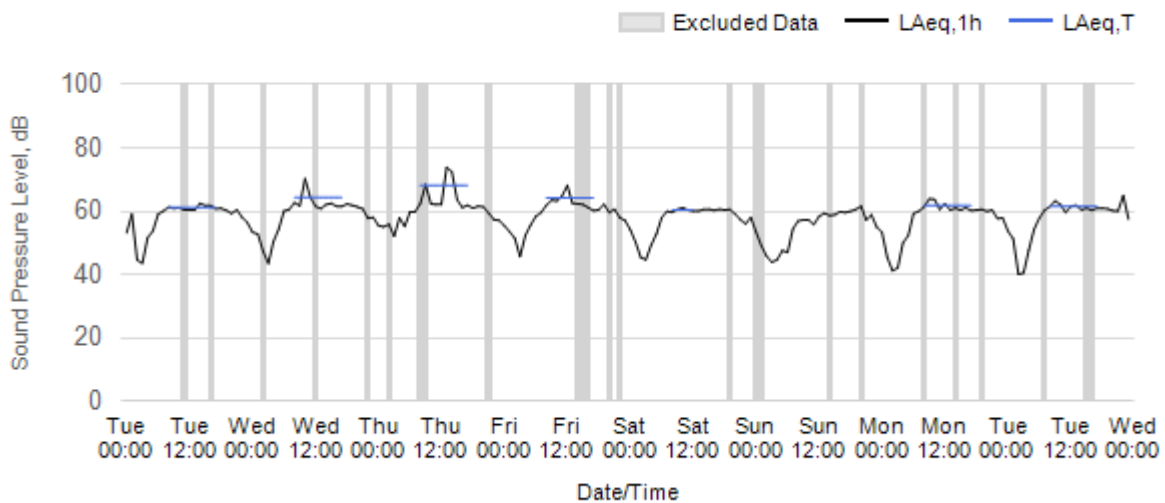
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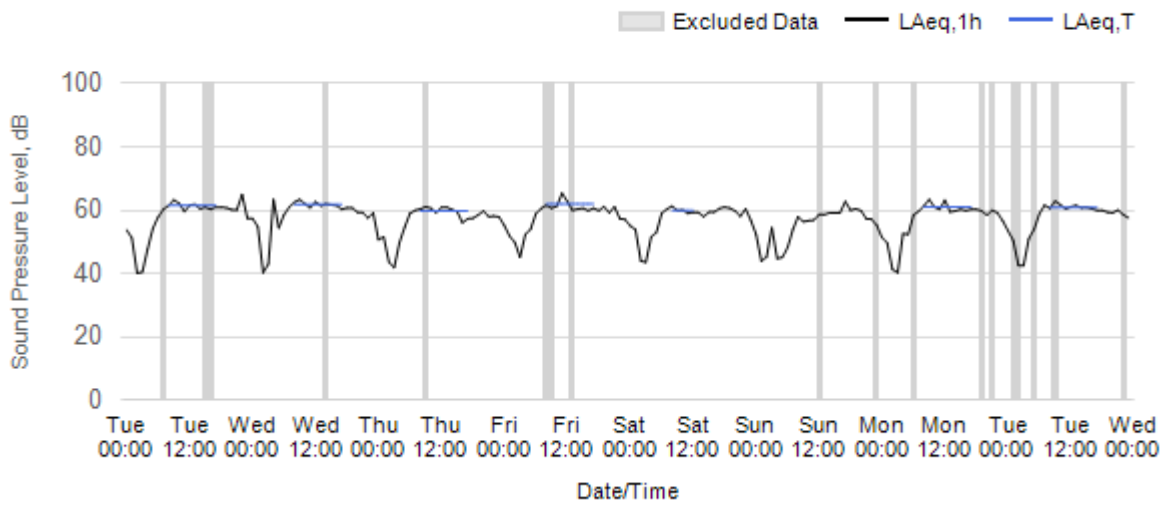
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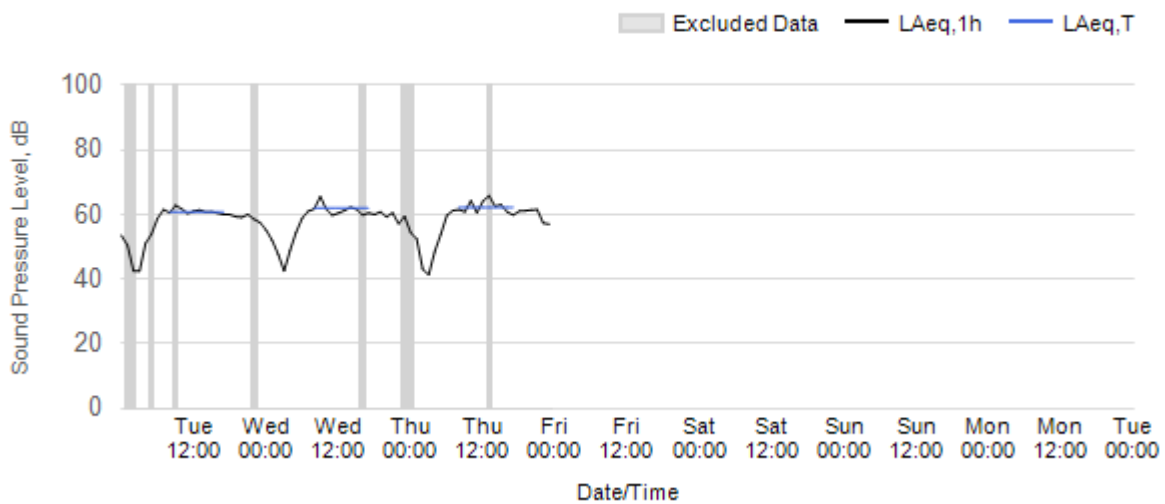
Worksite: Euston Approaches Monitoring Ref: N046 15 April 2026 to 21 April 2026



Worksite: Euston Approaches Monitoring Ref: N046 22 April 2026 to 28 April 2026



Worksite: Euston Approaches Monitoring Ref: N046 29 April 2026 to 5 May 2026



Worksite: Euston Approaches - Monitoring Ref: N004

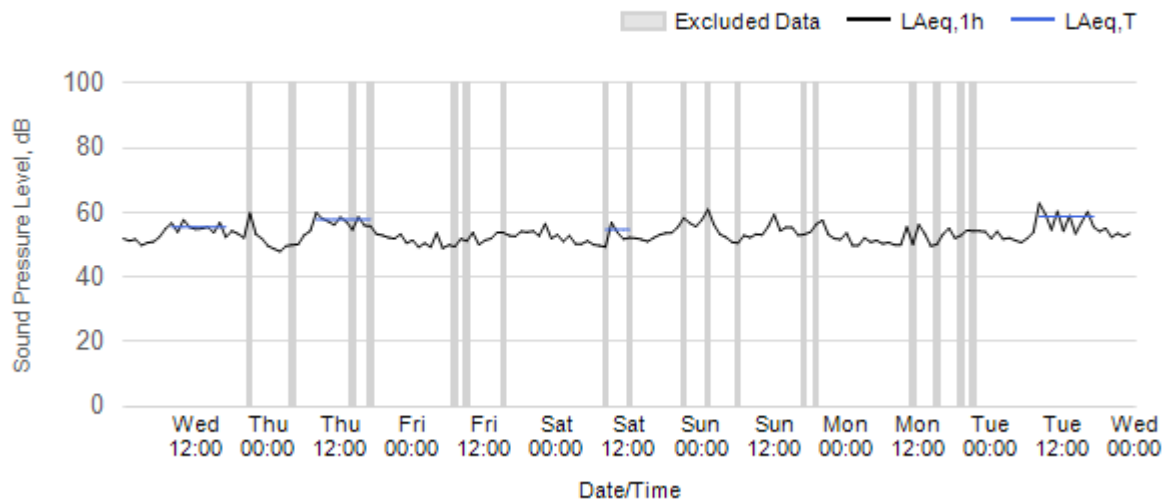
Note: No data measured throughout the month due to loss of power to the lighting column which supplies power to the monitoring station.

Worksite: Euston Approaches - Monitoring Ref: N023

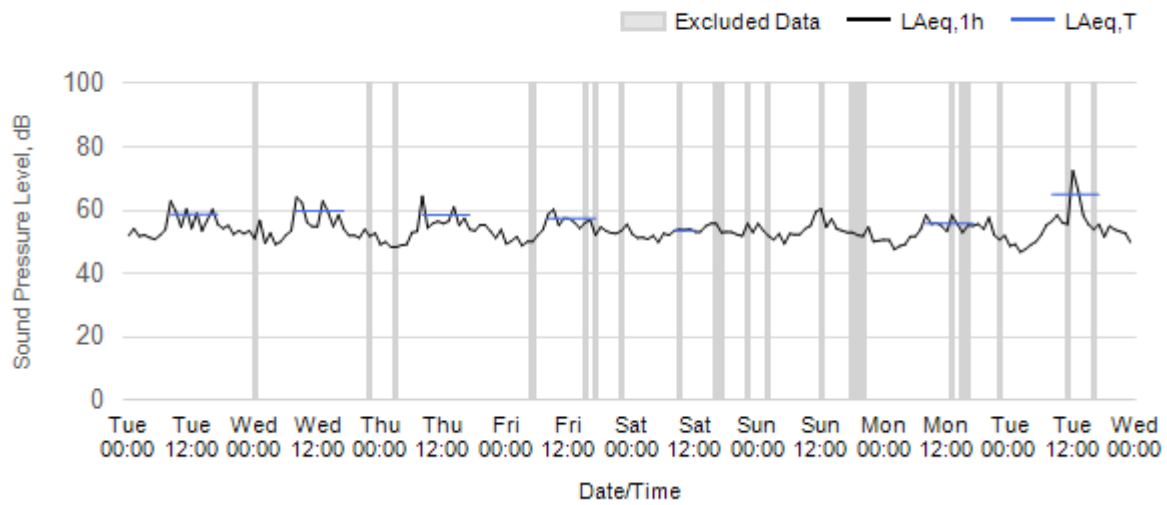
Note: No data measured throughout the month due to loss of power to the lighting column which supplies power to the monitoring station.

Worksite: Euston Approaches - Monitoring Ref: N019

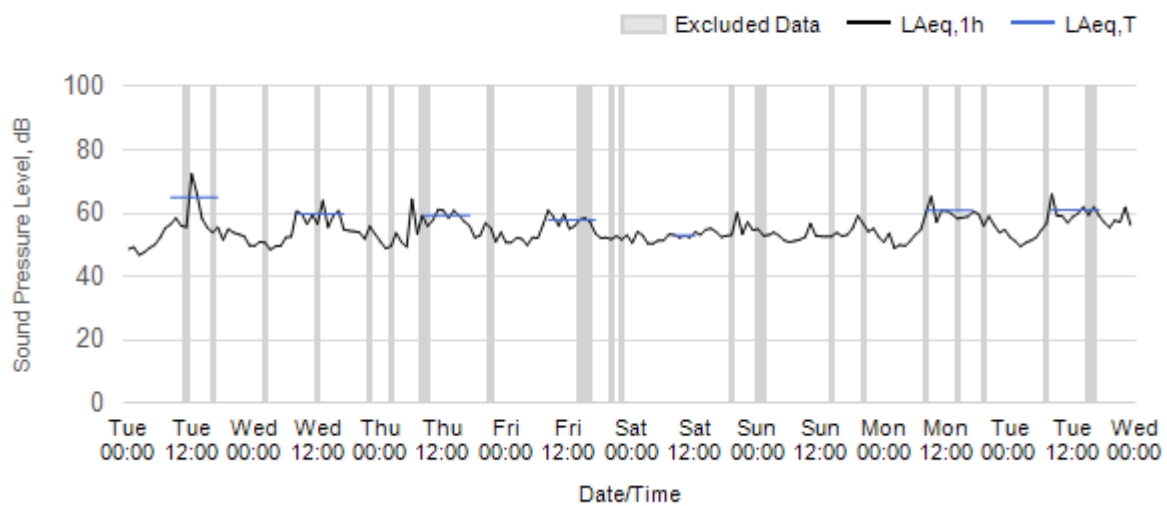
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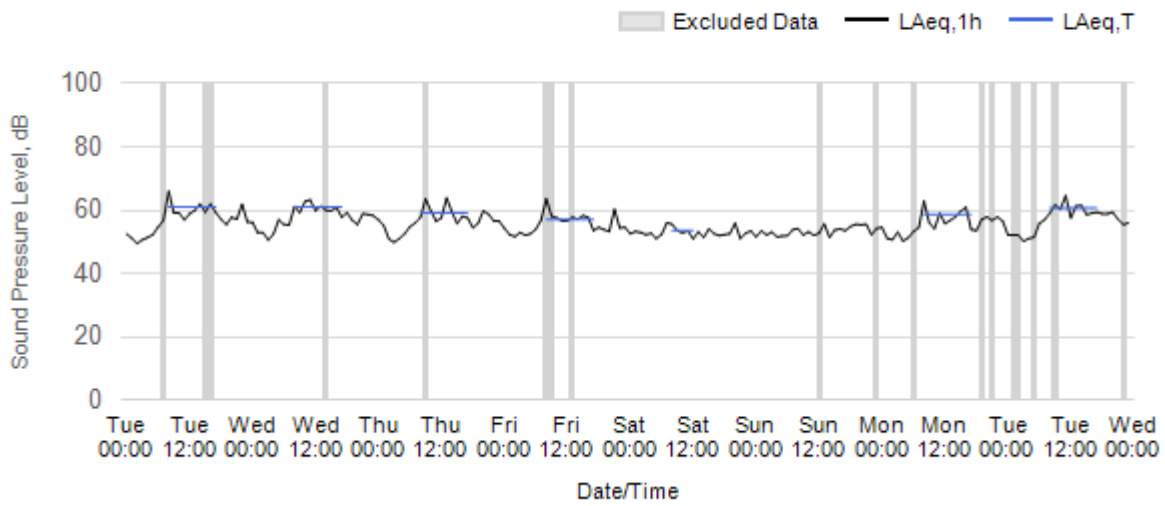
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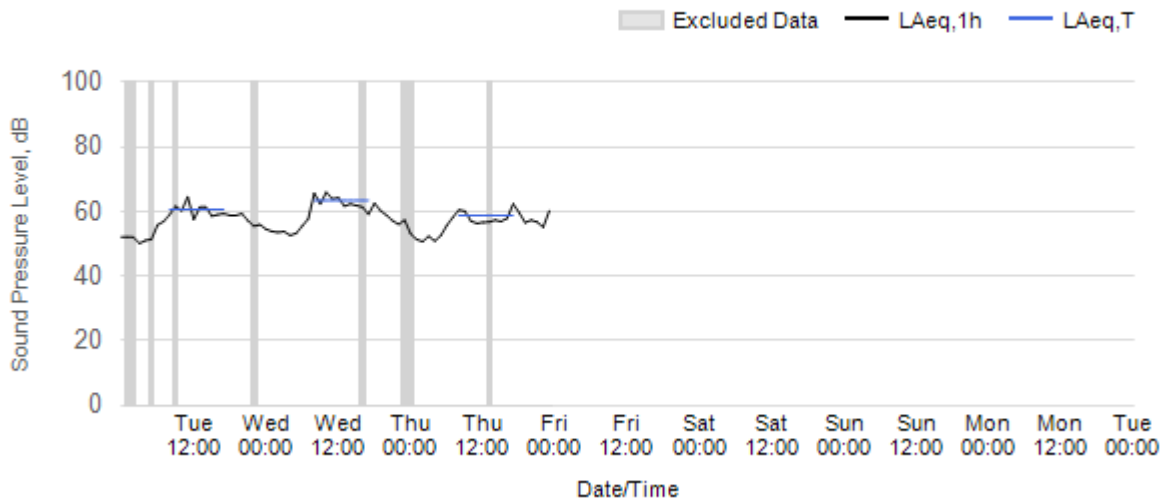
Worksite: Euston Approaches Monitoring Ref: N019 15 April 2026 to 21 April 2026



Worksite: Euston Approaches Monitoring Ref: N019 22 April 2026 to 28 April 2026

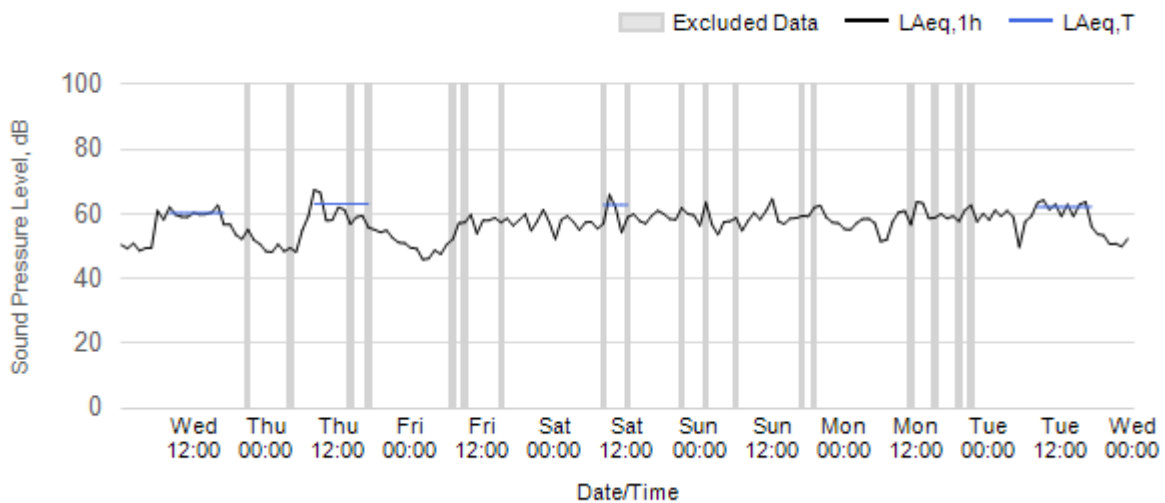


Worksite: Euston Approaches Monitoring Ref: N019 29 April 2026 to 5 May 2026

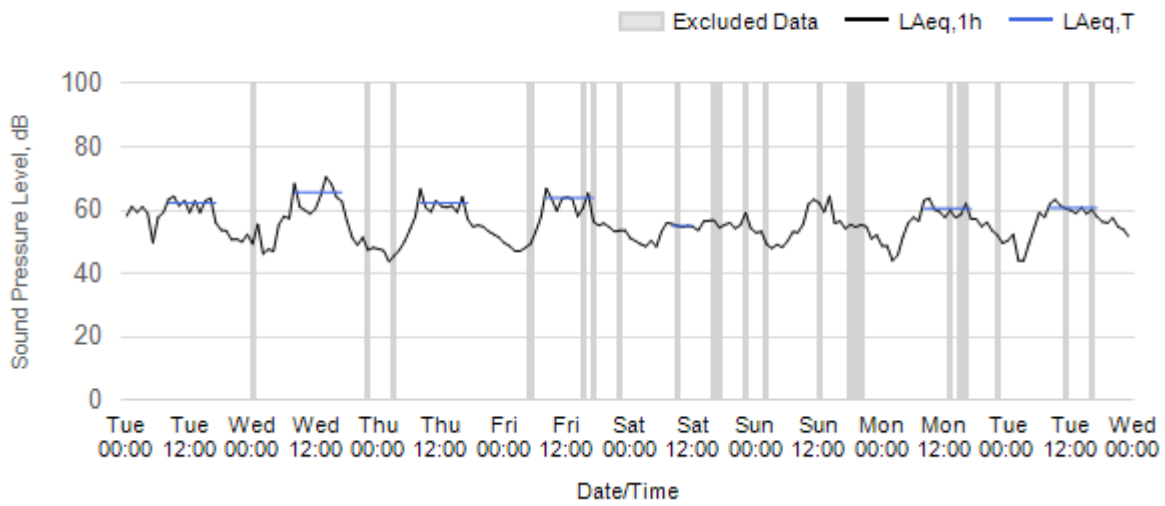


Worksite: Euston Approaches - Monitoring Ref: N044

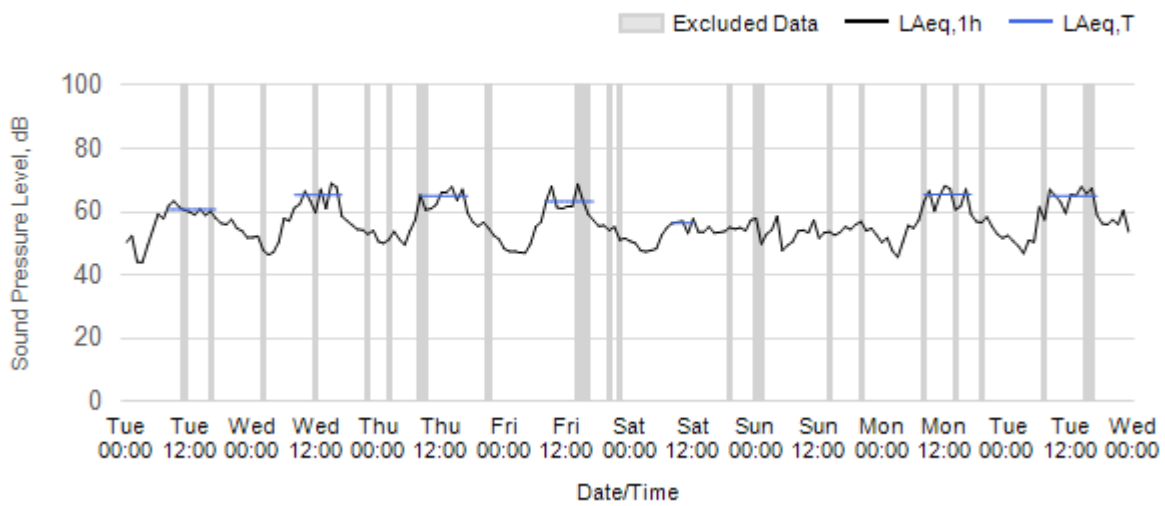
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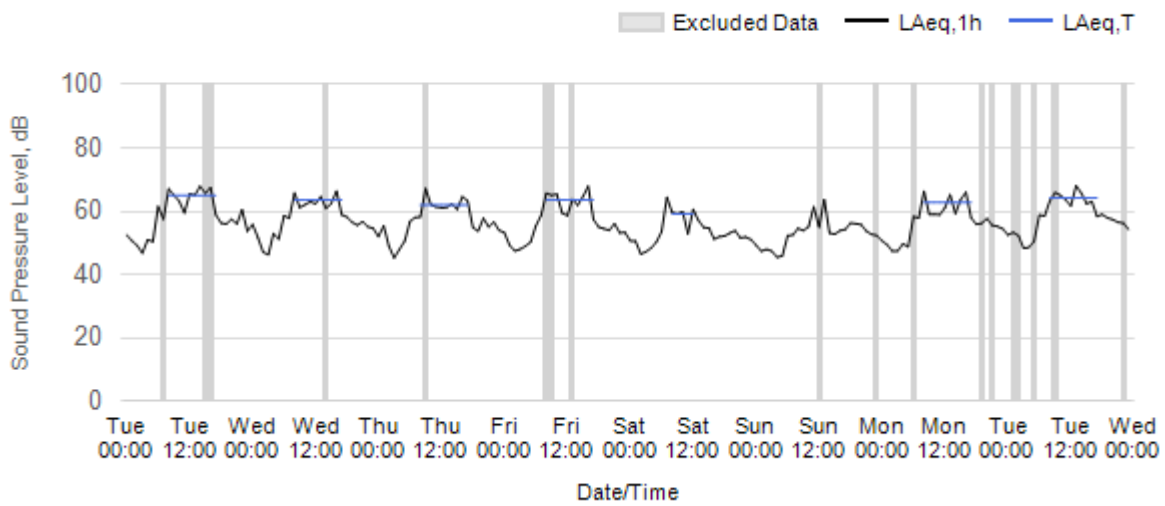
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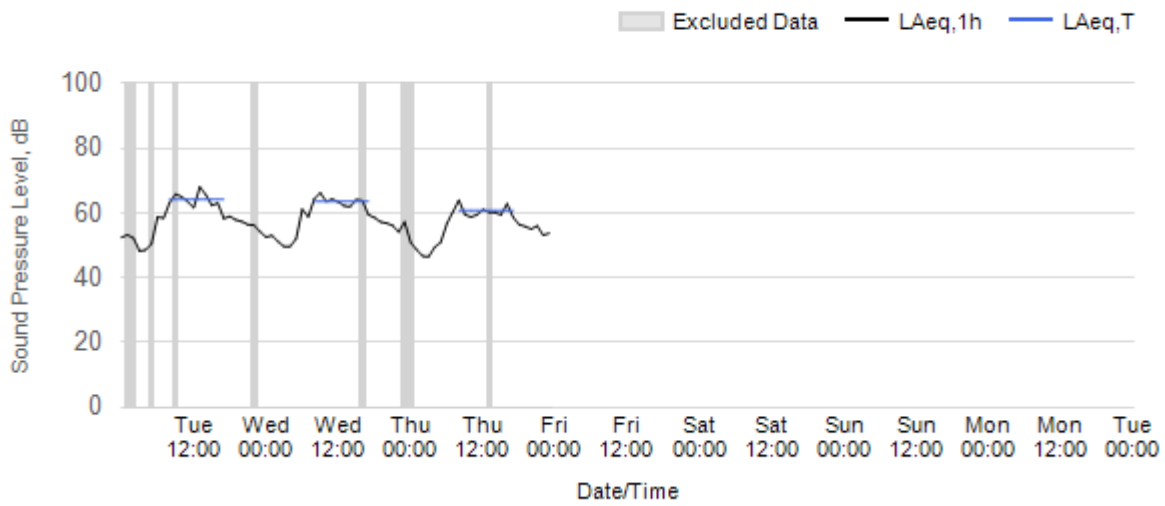
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Worksite: Euston Approaches Monitoring Ref: N044 22 April 2026 to 28 April 2026

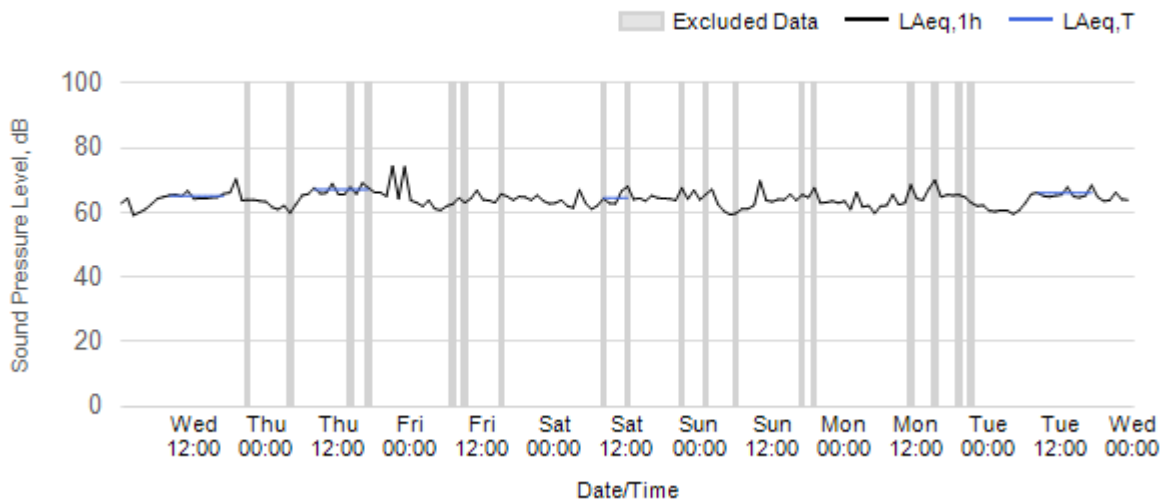


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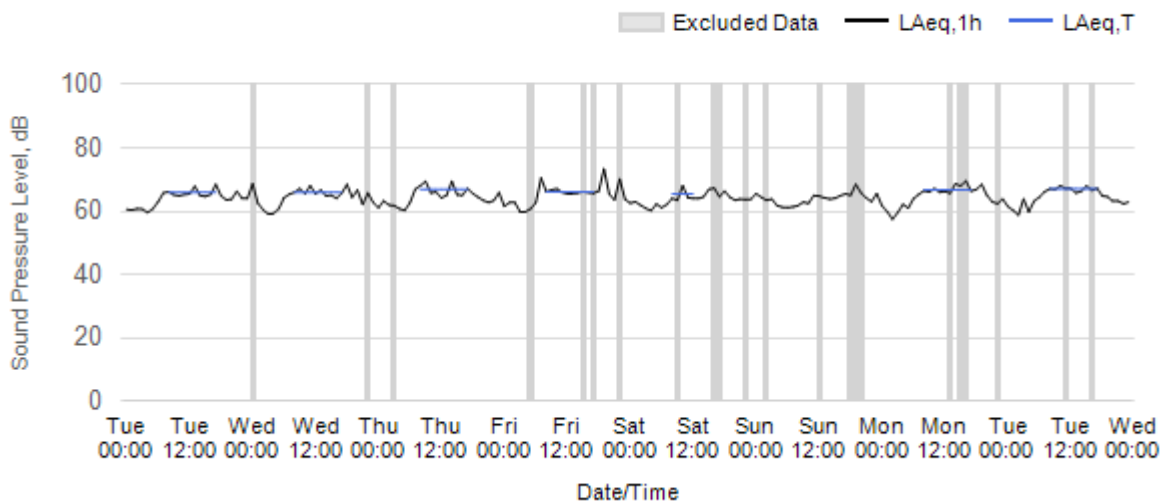


Worksite: ARVS - Monitoring Ref: N052

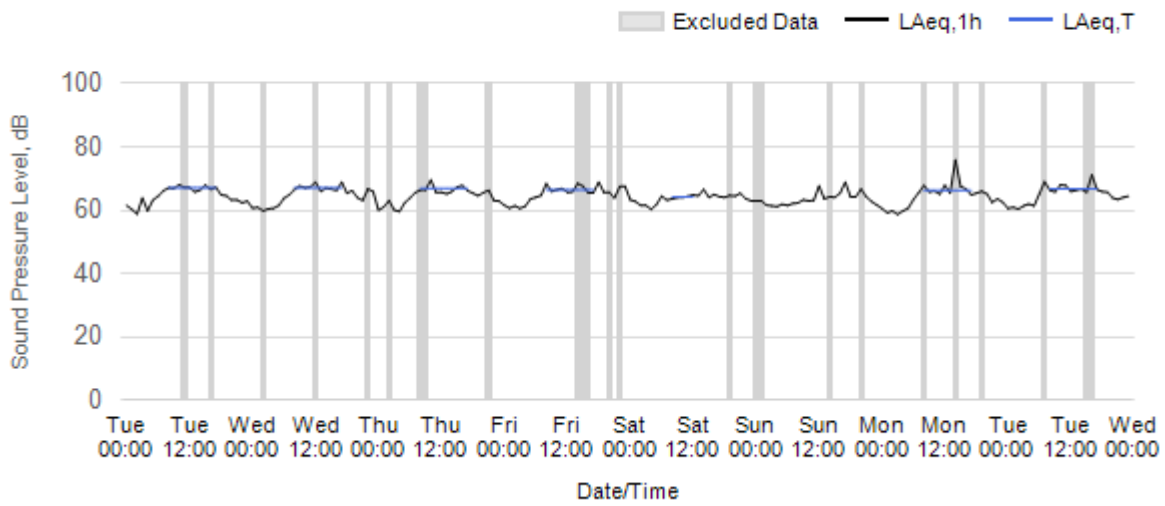
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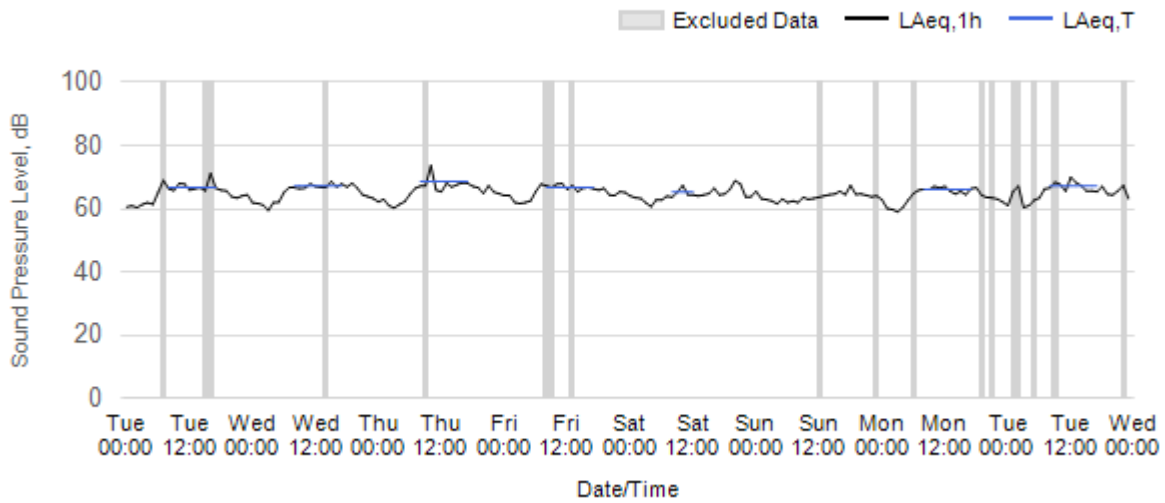
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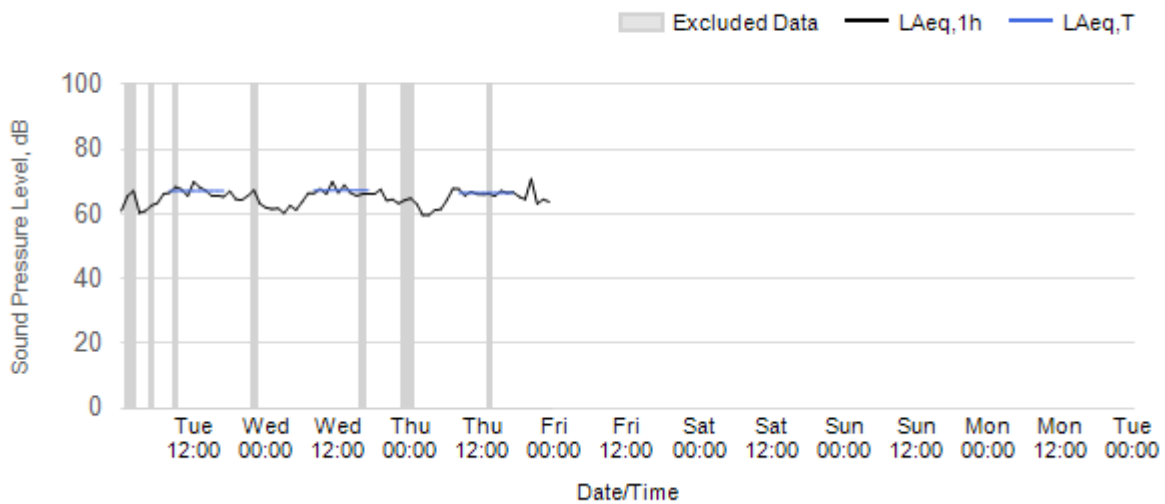
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Worksite: ARVS Monitoring Ref: N052 22 April 2026 to 28 April 2026

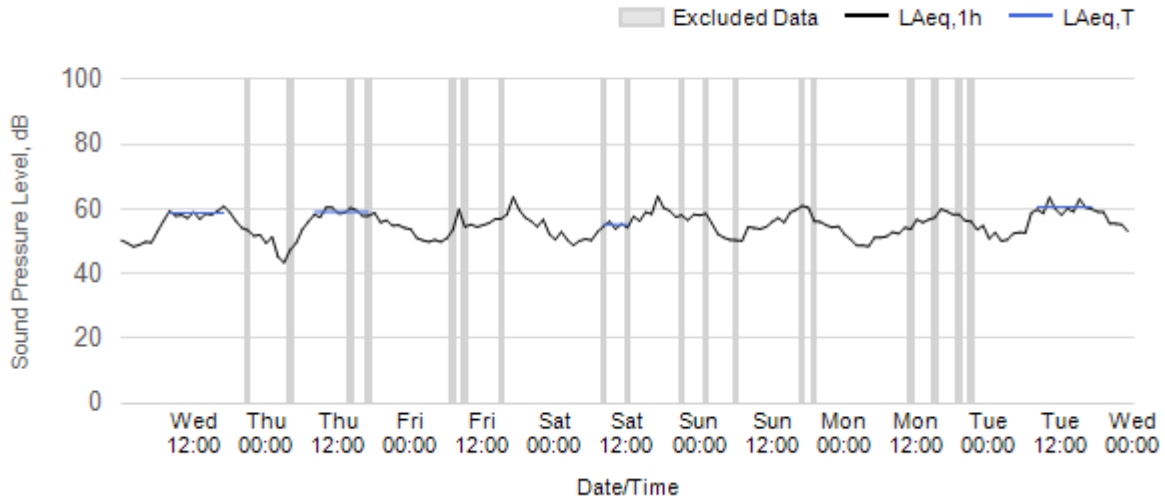


Worksite: ARVS Monitoring Ref: N052 29 April 2026 to 5 May 2026

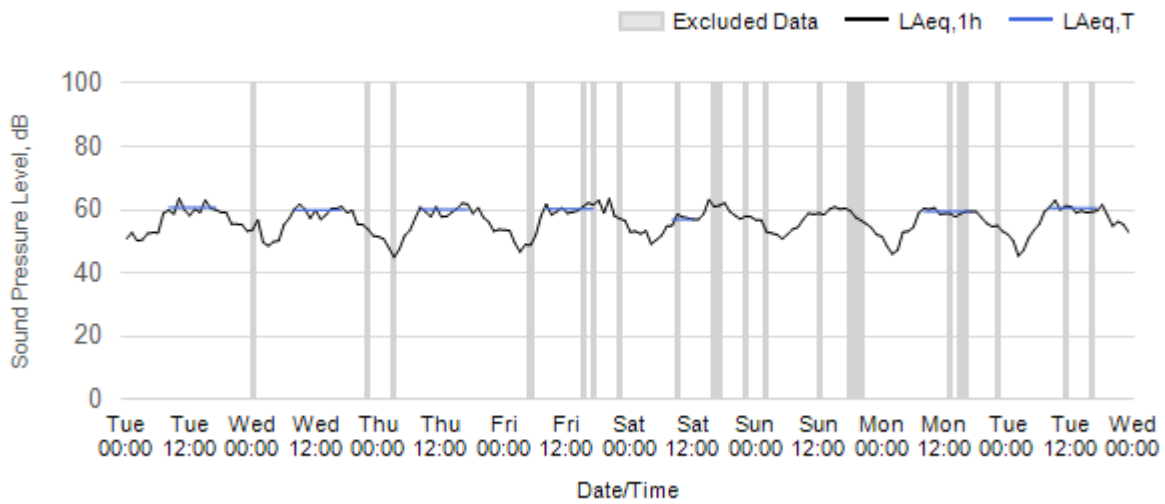


Worksite: Euston Approaches - Monitoring Ref: N021

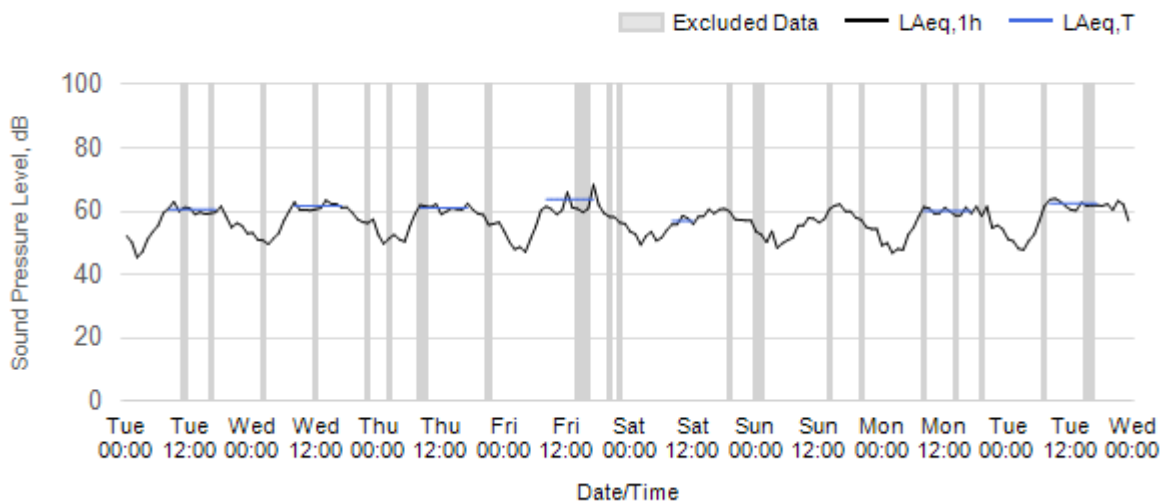
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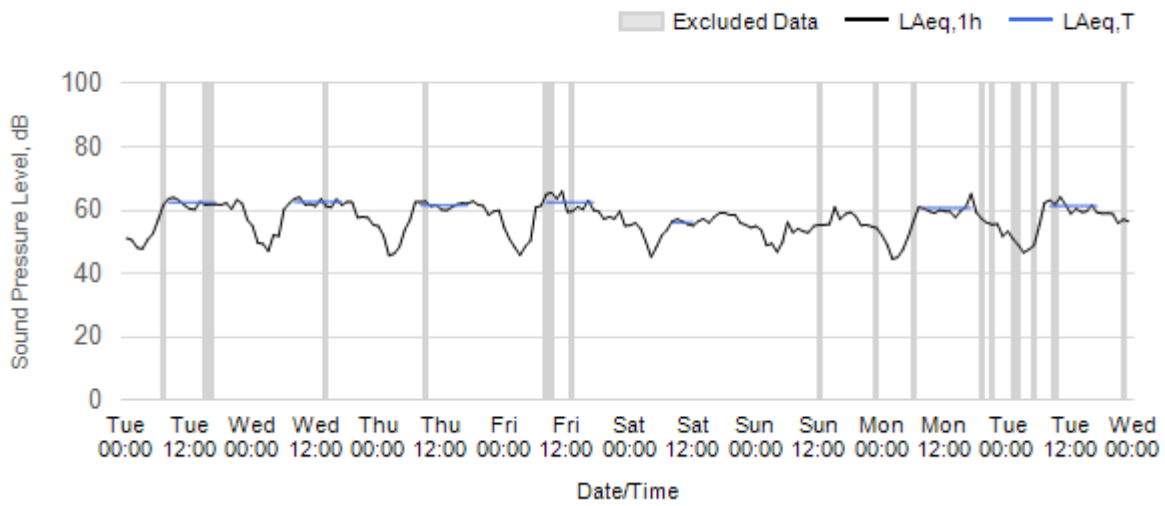
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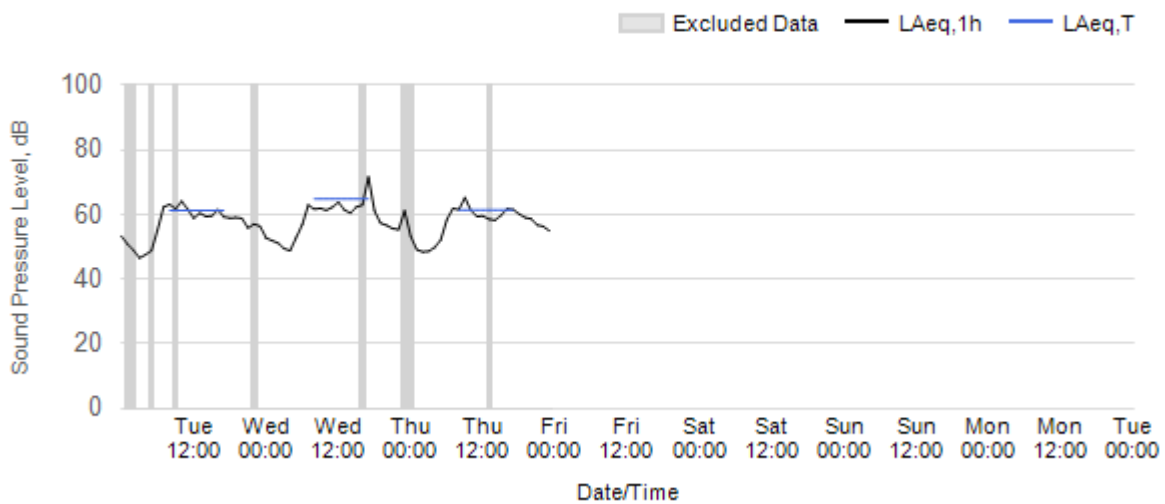
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Worksite: Euston Approaches Monitoring Ref: N021 22 April 2026 to 28 April 2026

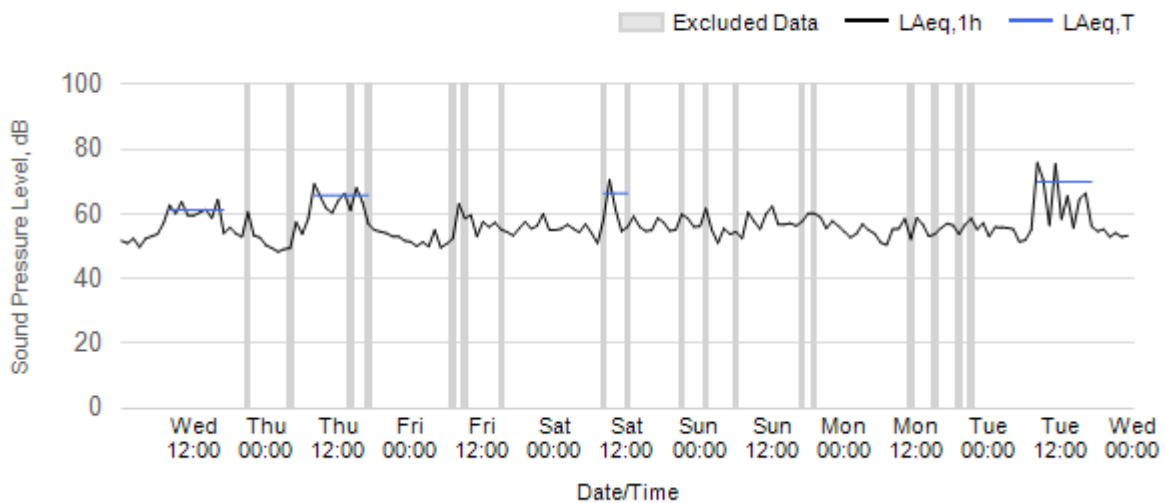


Worksite: Euston Approaches Monitoring Ref: N021 29 April 2026 to 5 May 2026

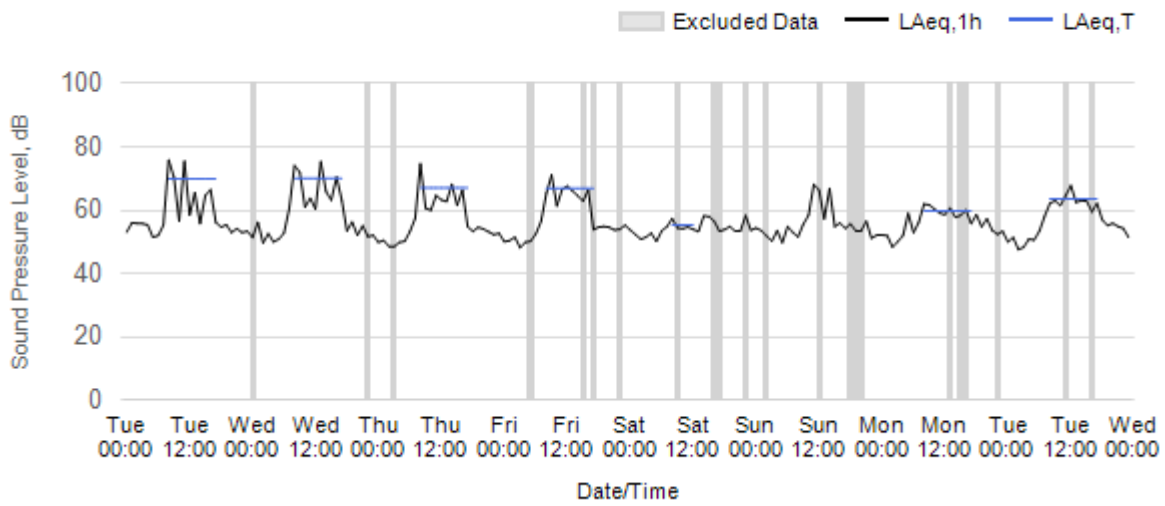


Worksite: Euston Approaches - Monitoring Ref: N045

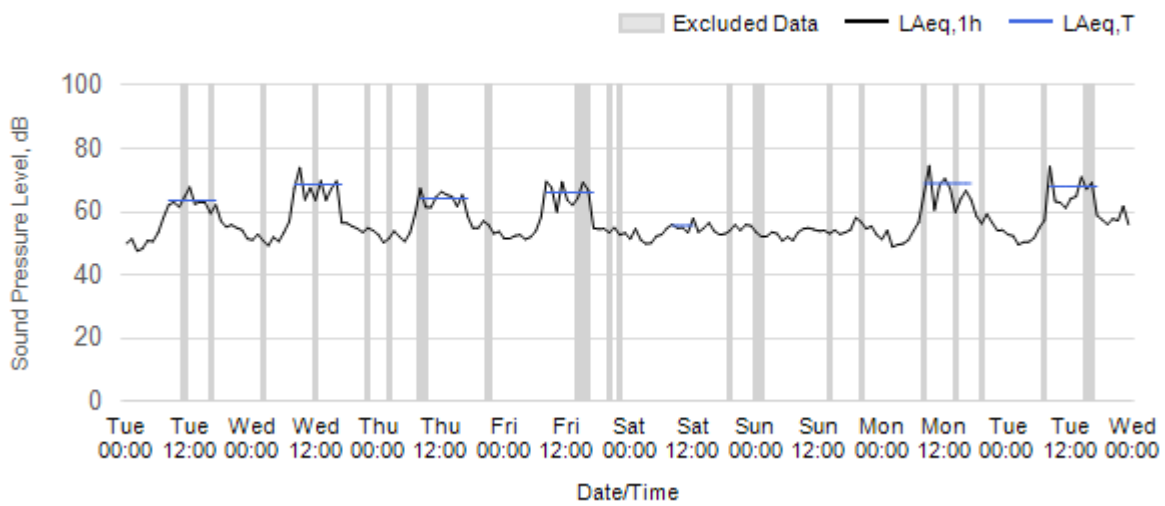
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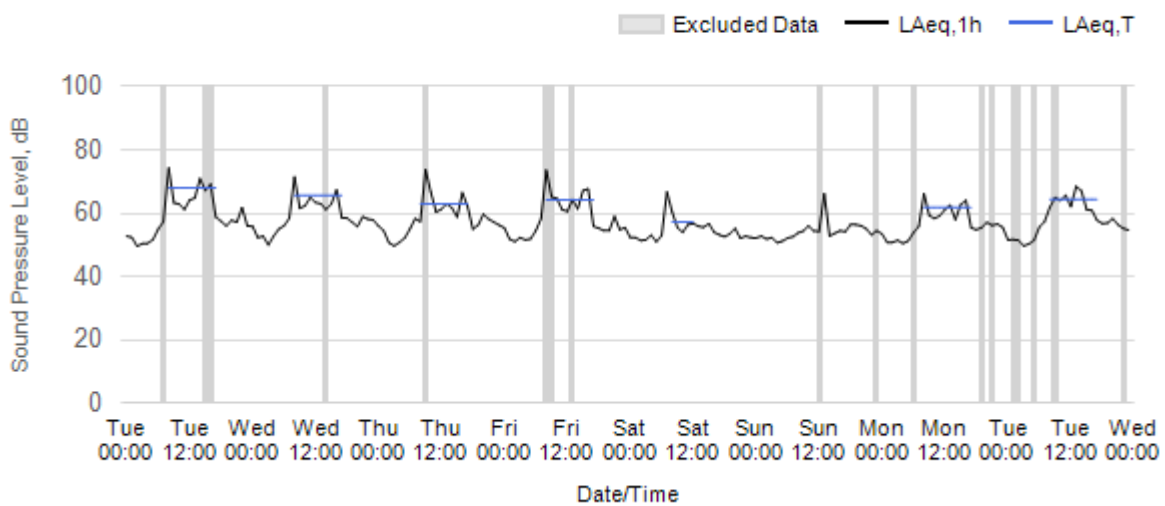
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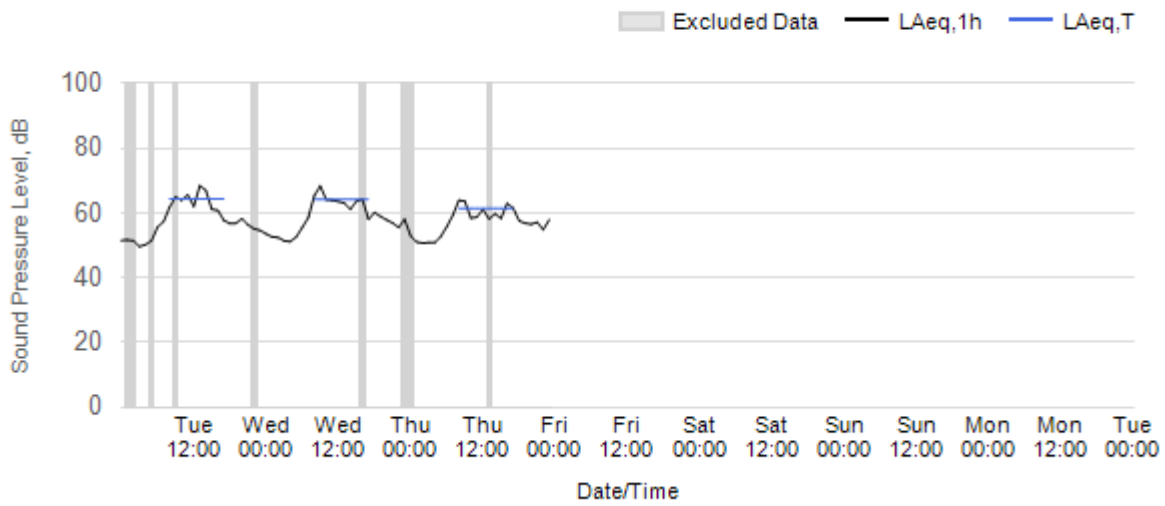
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Worksite: Euston Approaches Monitoring Ref: N045 22 April 2026 to 28 April 2026

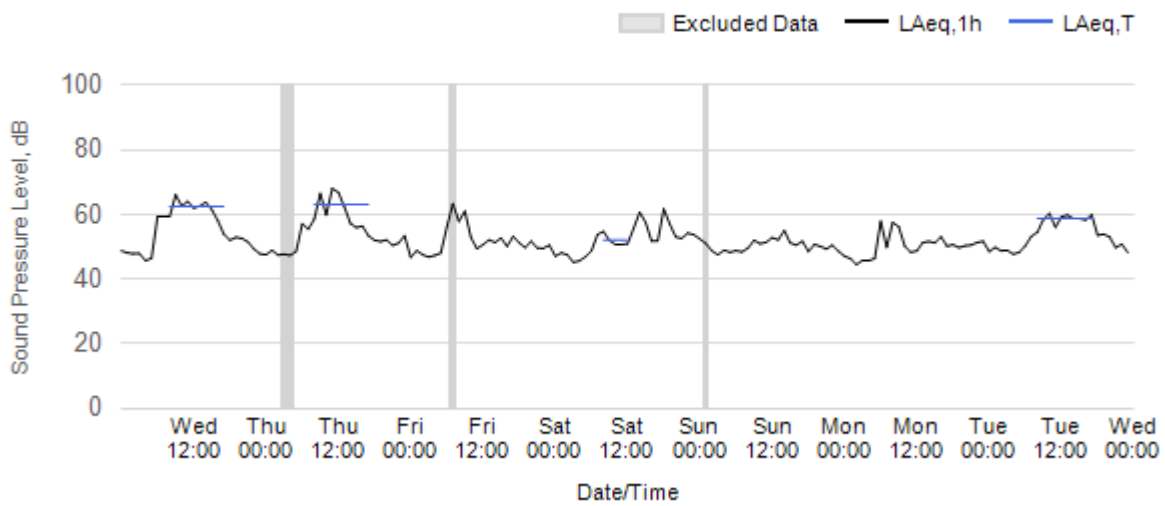


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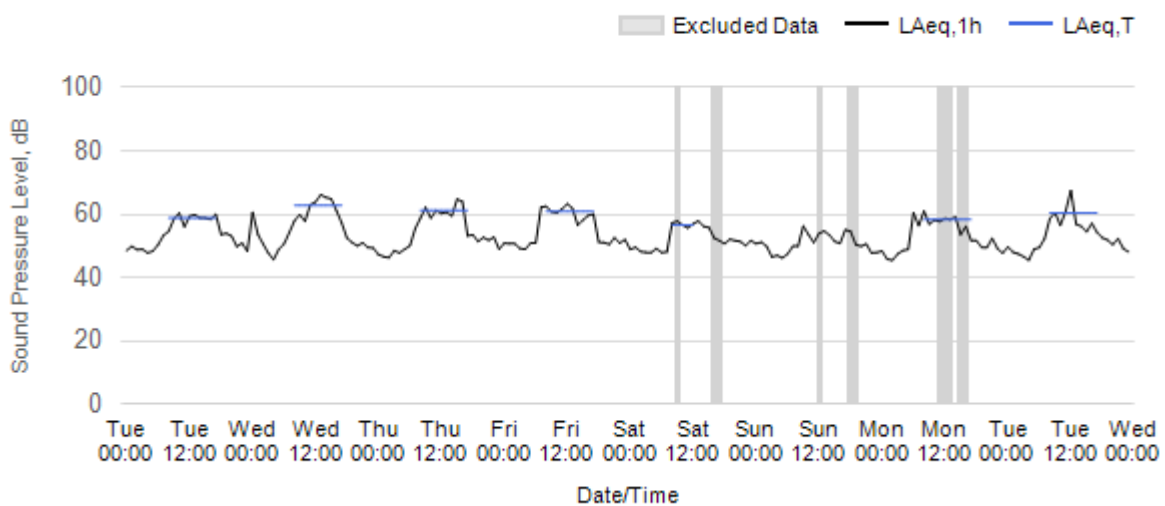


Worksite: TSS - Monitoring Ref: N011

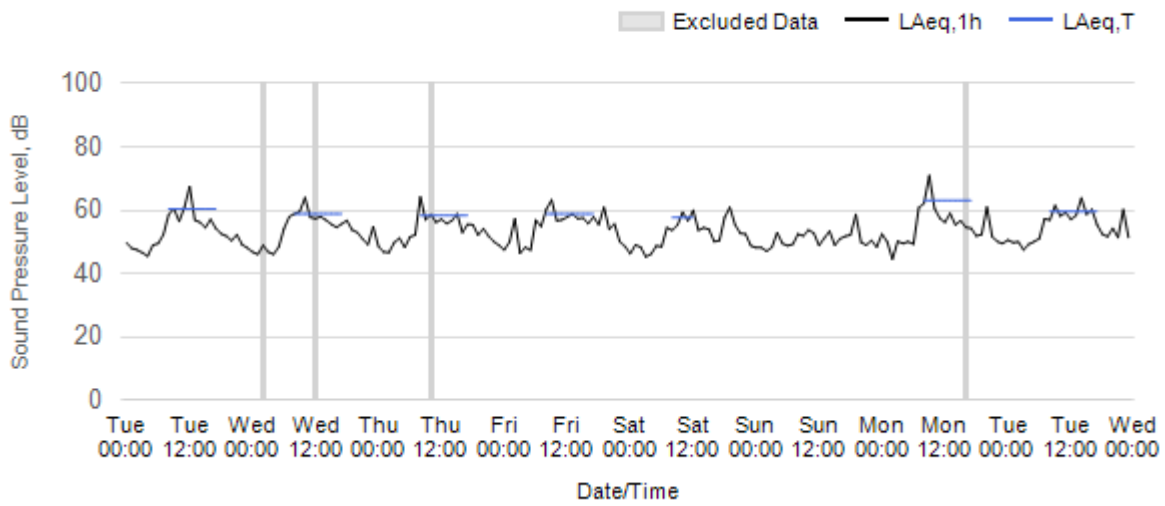
Worksite: TSS Monitoring Ref: N011 01 April 2026 to 07 April 2026



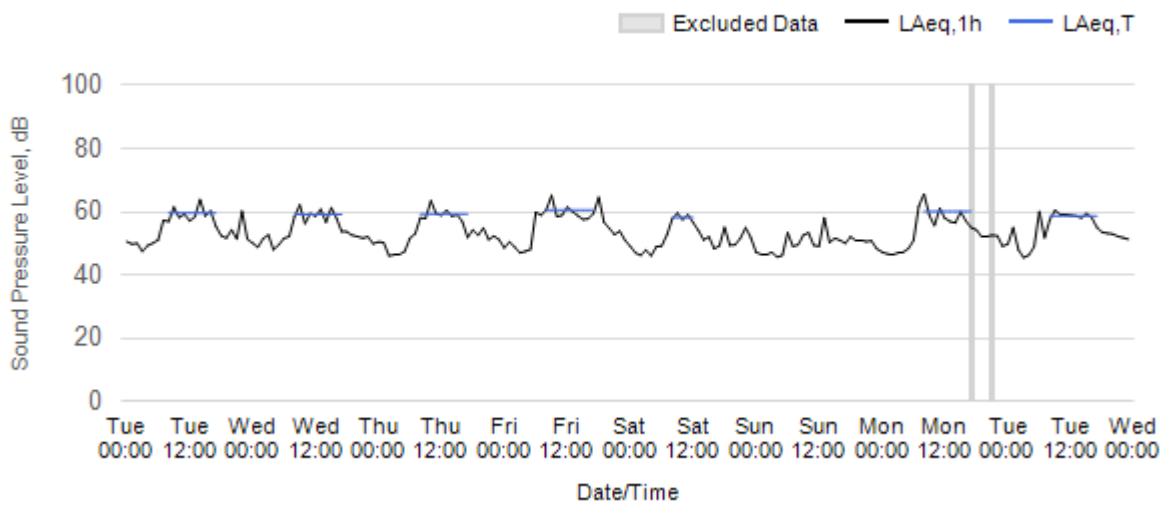
Worksite: TSS Monitoring Ref: N011 08 April 2026 to 14 April 2026



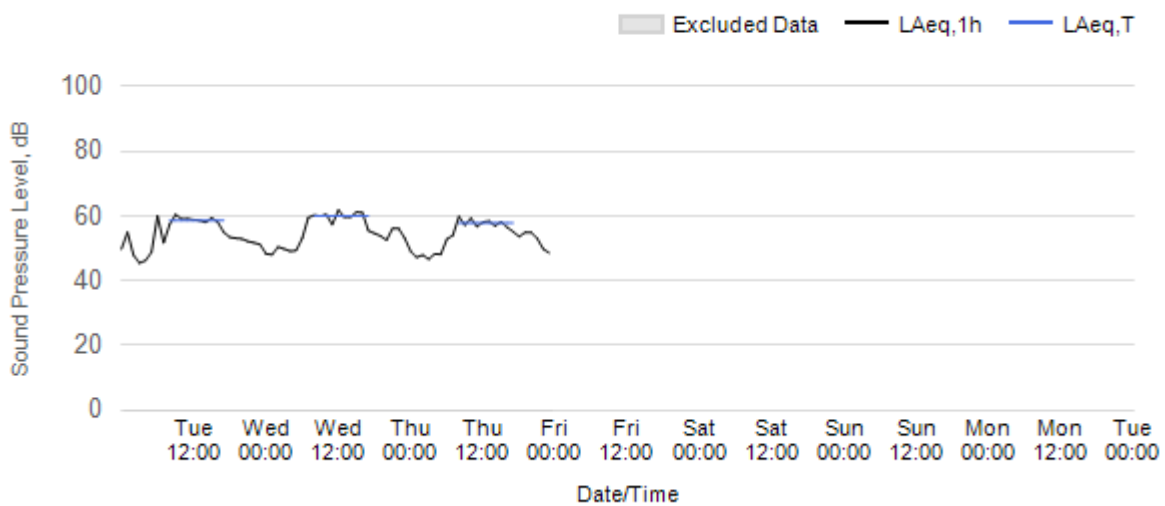
Worksite: TSS Monitoring Ref: N011 15 April 2026 to 21 April 2026



Worksite: TSS Monitoring Ref: N011 22 April 2026 to 28 April 2026

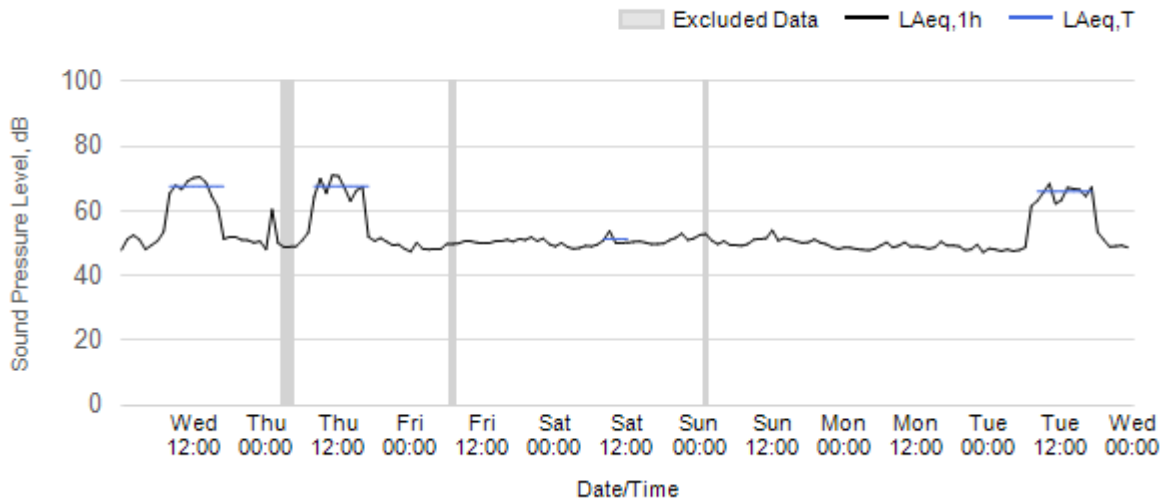


Worksite: TSS Monitoring Ref: N011 29 April 2026 to 5 May 2026

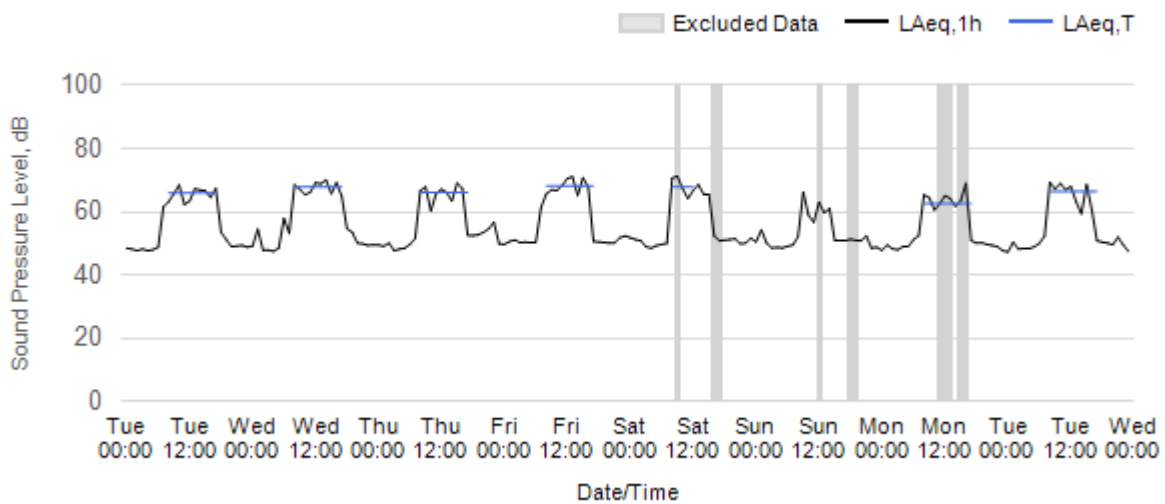


Worksite: TSS - Monitoring Ref: N006

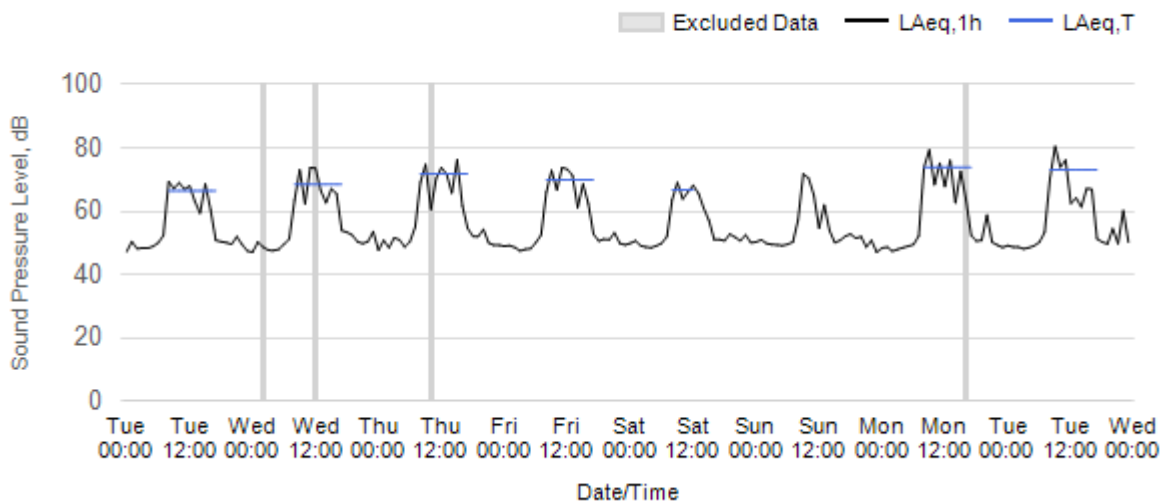
Worksite: TSS Monitoring Ref: N006 01 April 2026 to 07 April 2026



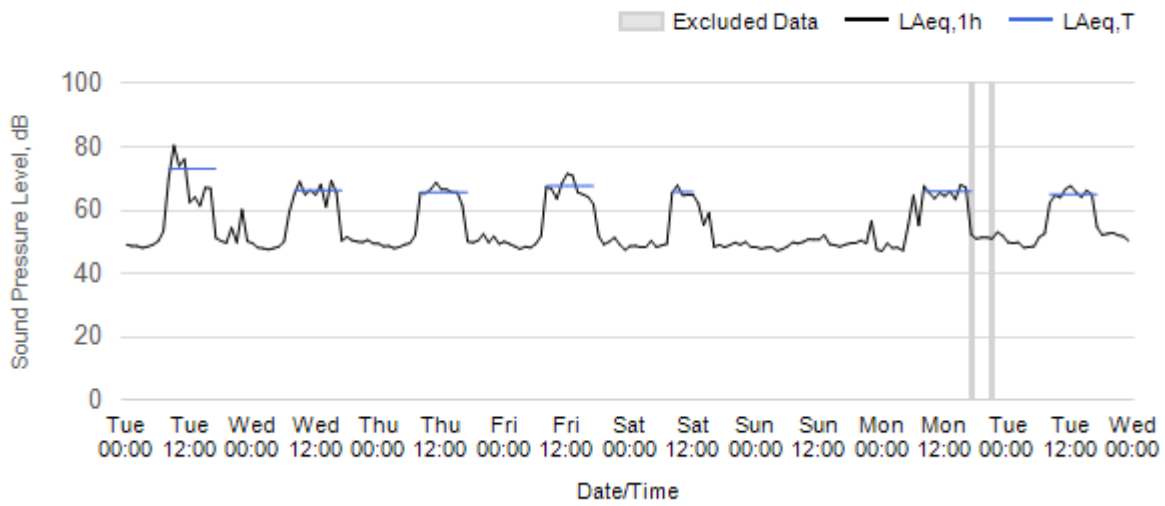
Worksite: TSS Monitoring Ref: N006 08 April 2026 to 14 April 2026



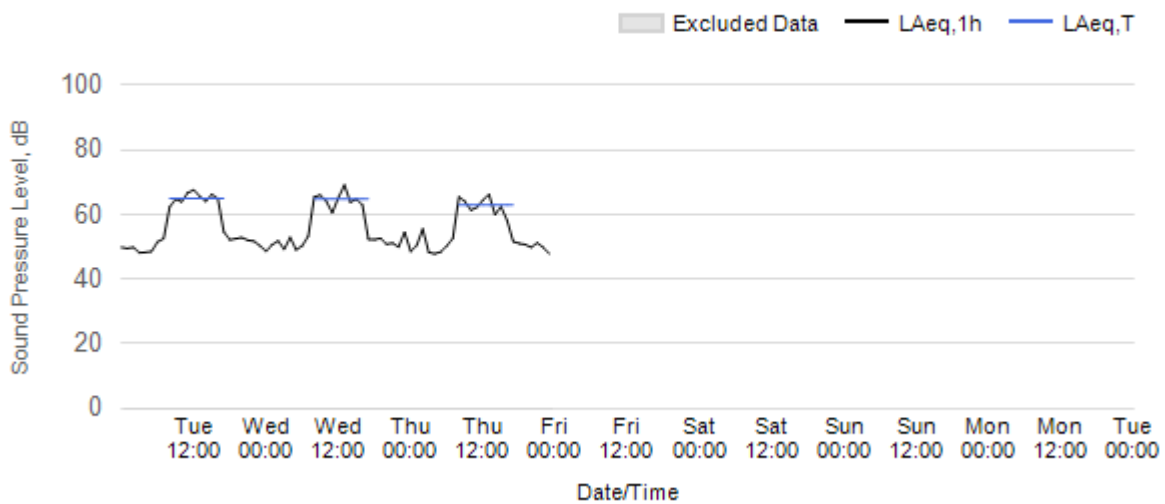
Worksite: TSS Monitoring Ref: N006 15 April 2026 to 21 April 2026



Worksite: TSS Monitoring Ref: N006 22 April 2026 to 28 April 2026

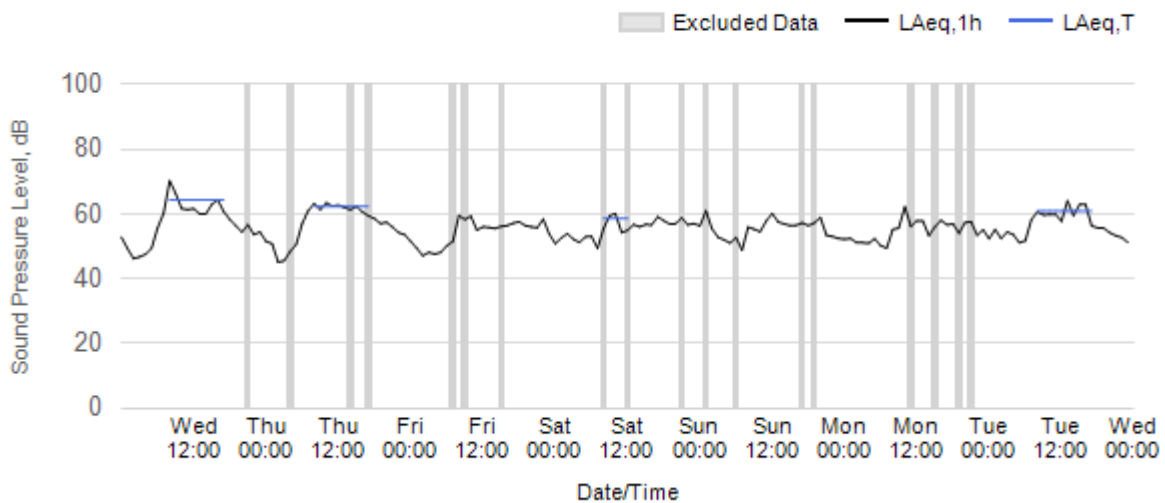


Worksite: TSS Monitoring Ref: N006 29 April 2026 to 5 May 2026

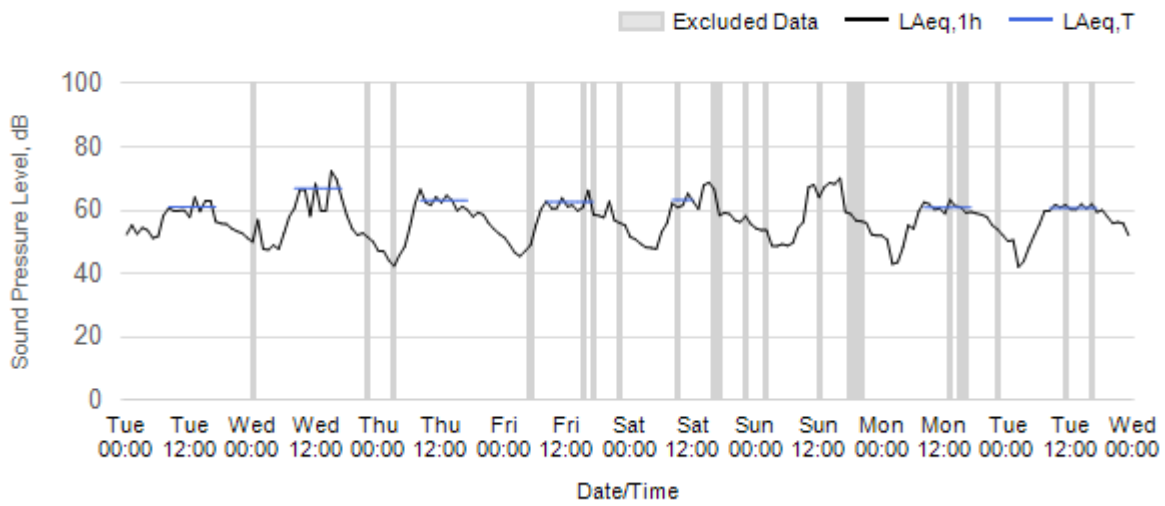


Worksite: Euston Approaches - Monitoring Ref: N001b

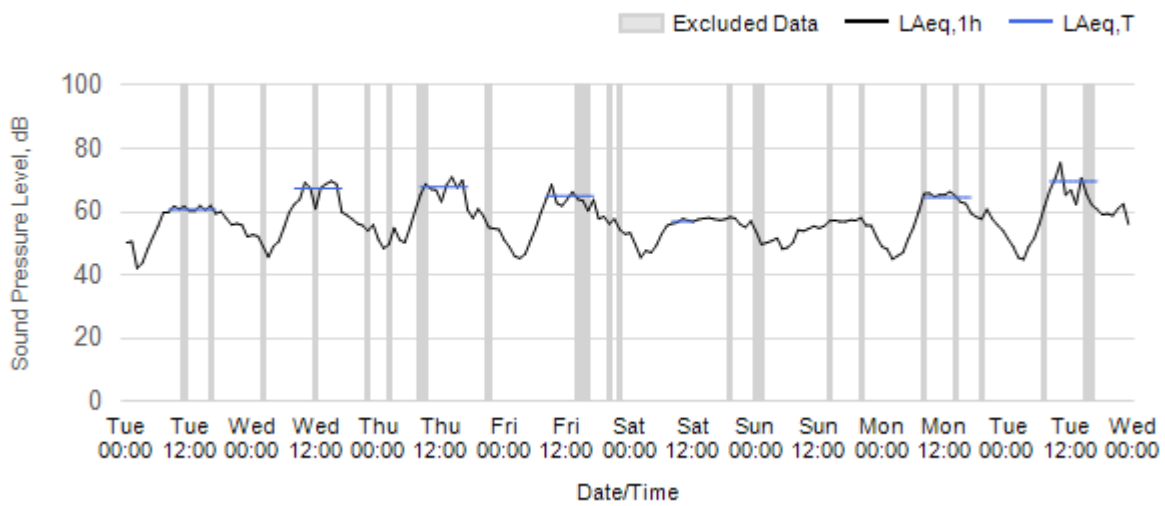
Worksite: Euston Approaches Monitoring Ref: N001b 01 April 2026 to 07 April 2026



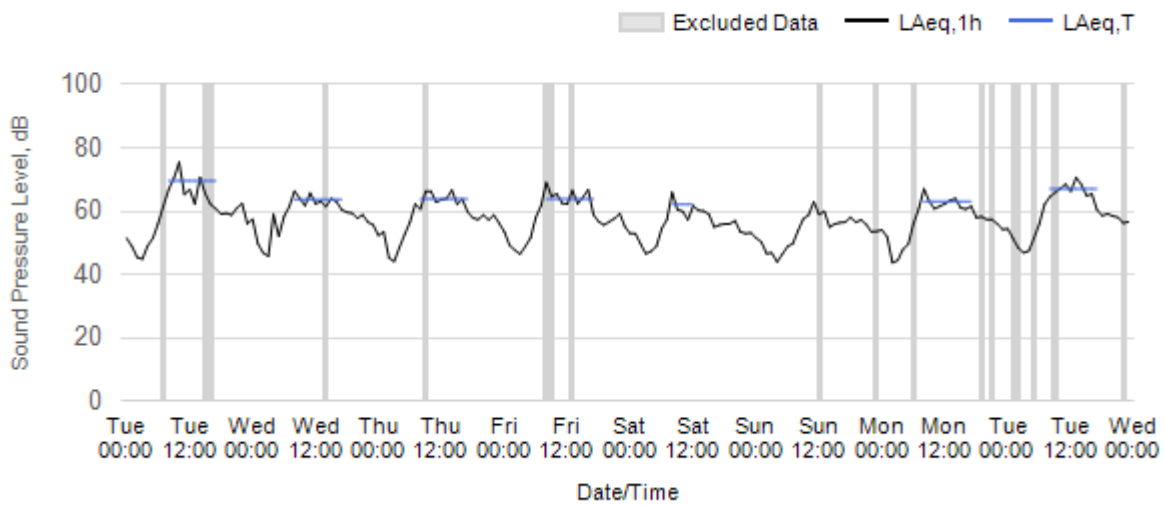
Worksite: Euston Approaches Monitoring Ref: N001b 08 April 2026 to 14 April 2026



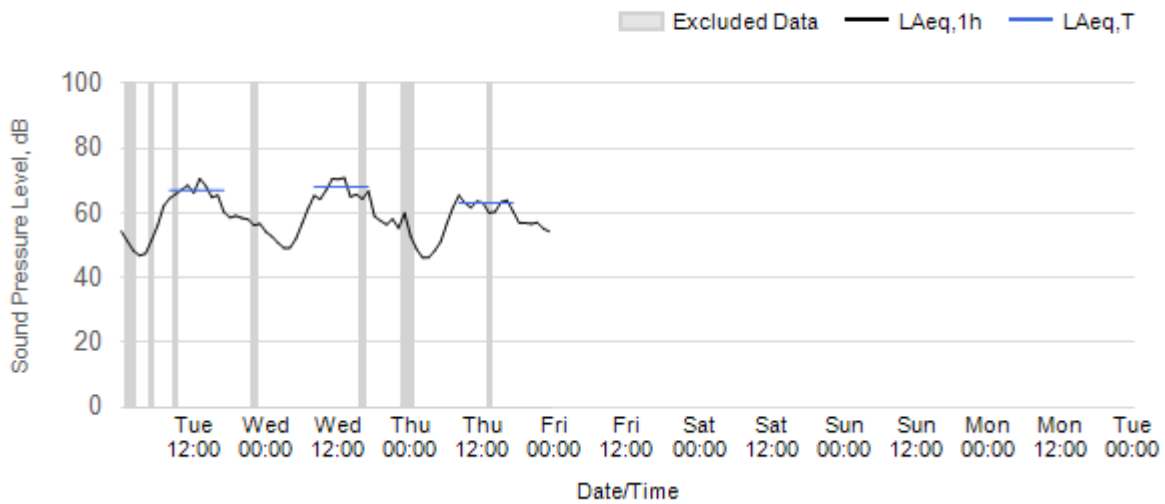
Worksite: Euston Approaches Monitoring Ref: N001b 15 April 2026 to 21 April 2026



Worksite: Euston Approaches Monitoring Ref: N001b 22 April 2026 to 28 April 2026



Worksite: Euston Approaches Monitoring Ref: N001b 29 April 2026 to 5 May 2026



Worksite: Euston Approaches - Monitoring Ref: N002

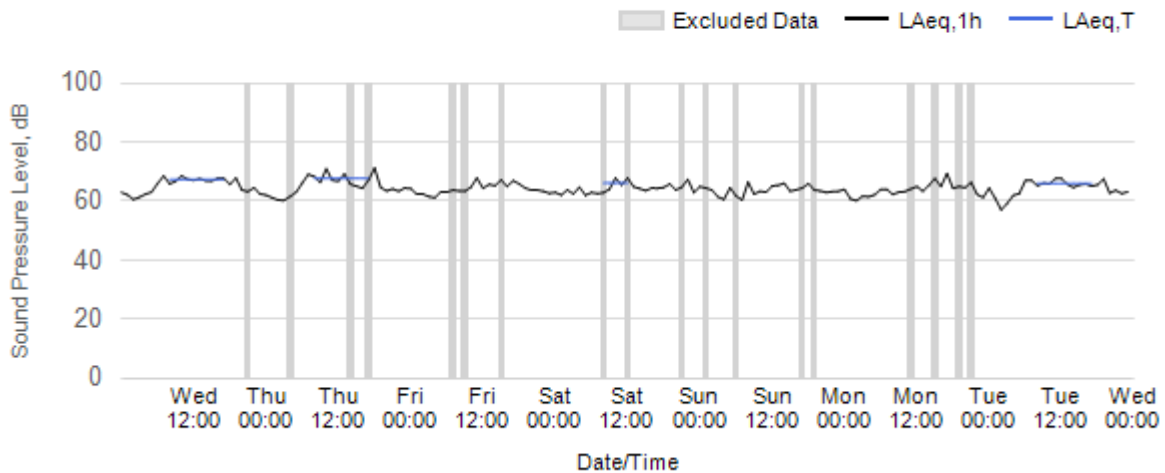
Note: No data measured throughout the month due to loss of power to the lighting column which supplies power to the monitoring station.

Worksite: Euston Approaches - Monitoring Ref: N022

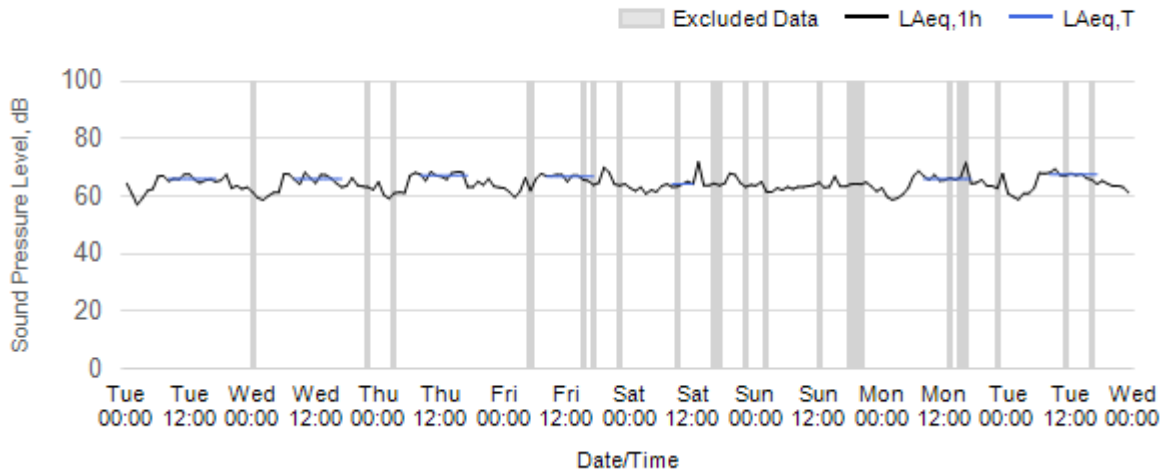
Note: No data measured throughout the month due to loss of power to the lighting column which supplies power to the monitoring station.

Worksite: Euston Approaches Vehicle Holding Area - Monitoring Ref: N025

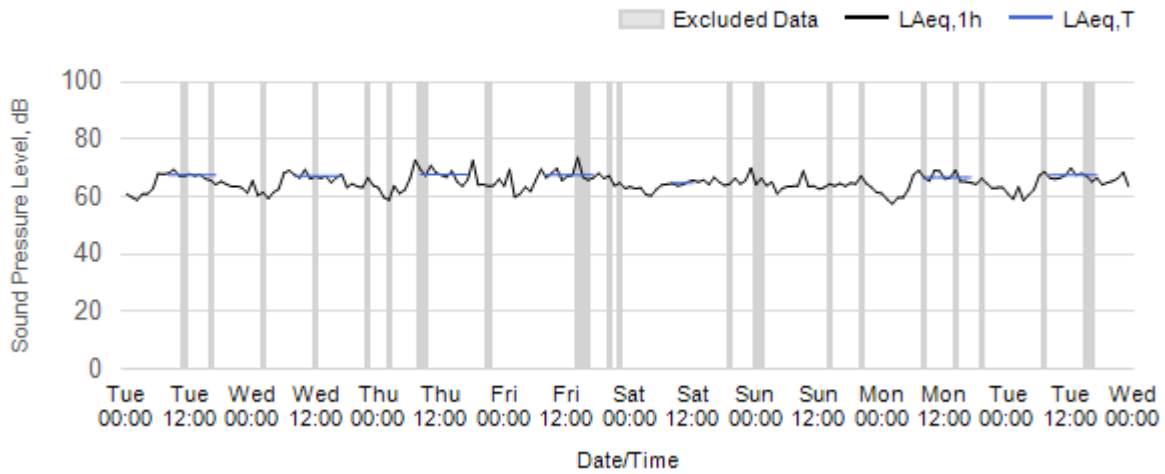
Worksite: Euston Approaches Vehicle Holding Area Monitoring Ref: N025 01 April 2026 to 07 April 2026



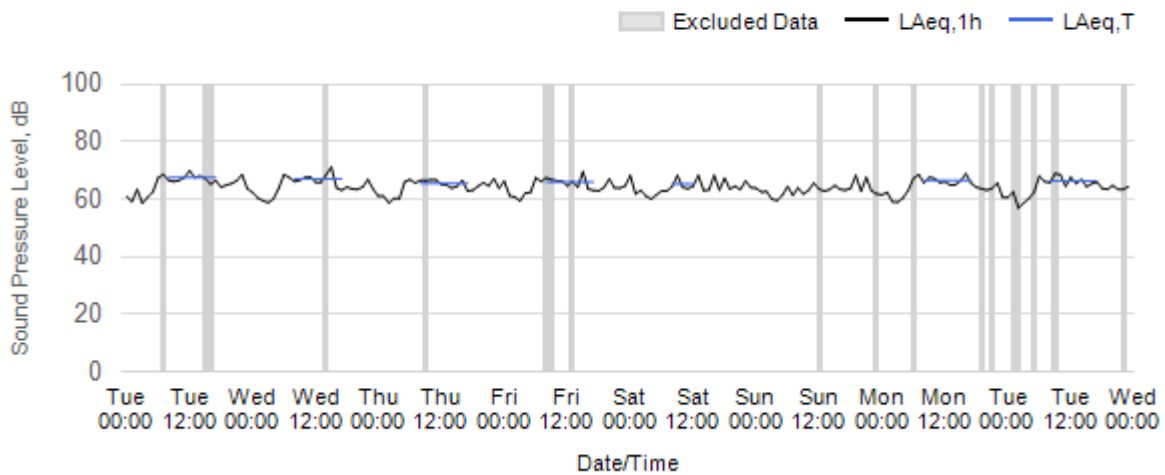
Worksite: Euston Approaches Vehicle Holding Area Monitoring Ref: N025 08 April 2026 to 14 April 2026



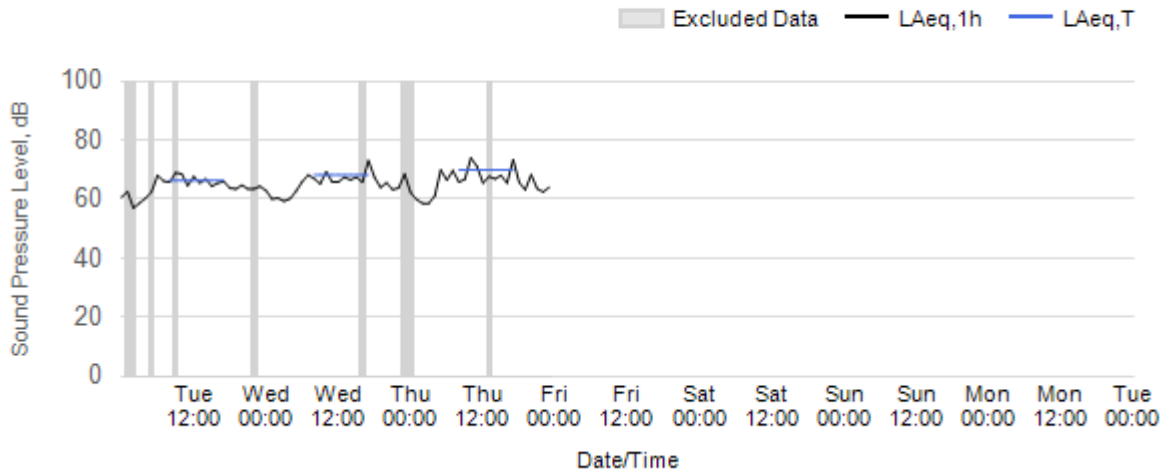
Worksite: Euston Approaches Vehicle Holding Area Monitoring Ref: N025 15 April 2026 to 21 April 2026



Worksite: Euston Approaches Vehicle Holding Area Monitoring Ref: N025 22 April 2026 to 28 April 2026

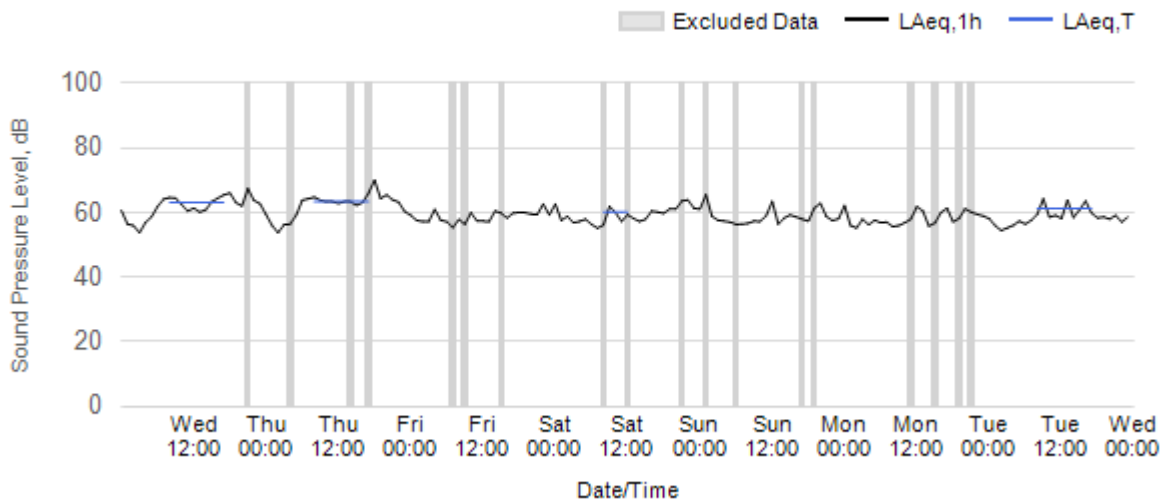


Worksite: Euston Approaches Vehicle Holding Area Monitoring Ref: N025 29 April 2026 to 5 May 2026

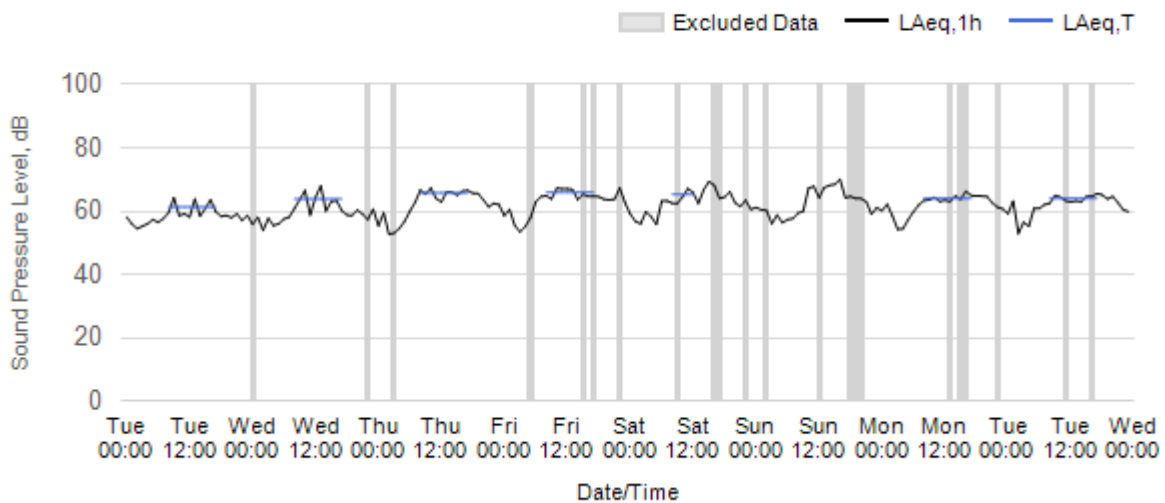


Worksite: Euston Approaches - Monitoring Ref: N005

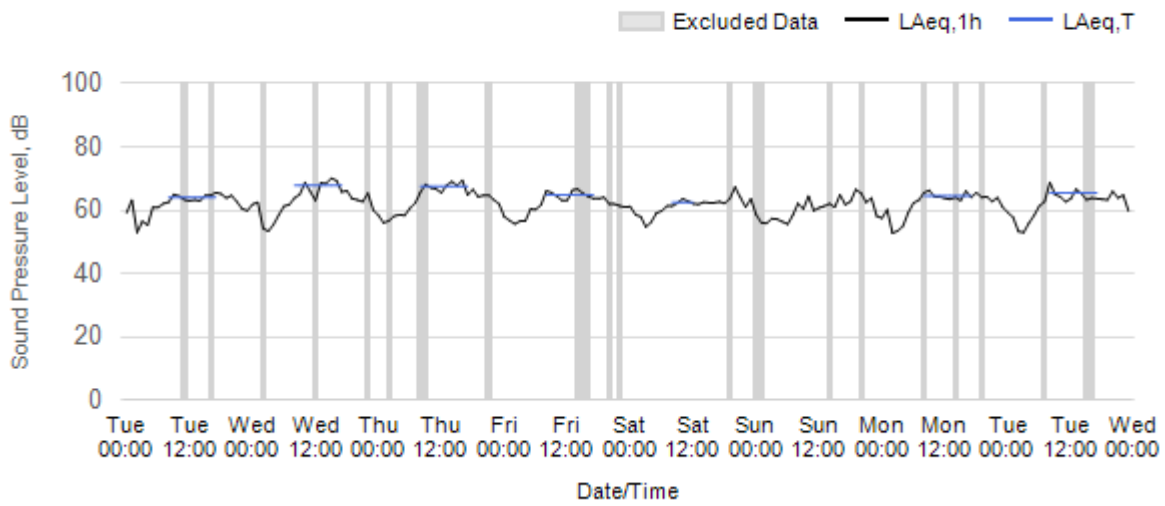
Worksite: Euston Approaches Monitoring Ref: N005 01 April 2026 to 07 April 2026



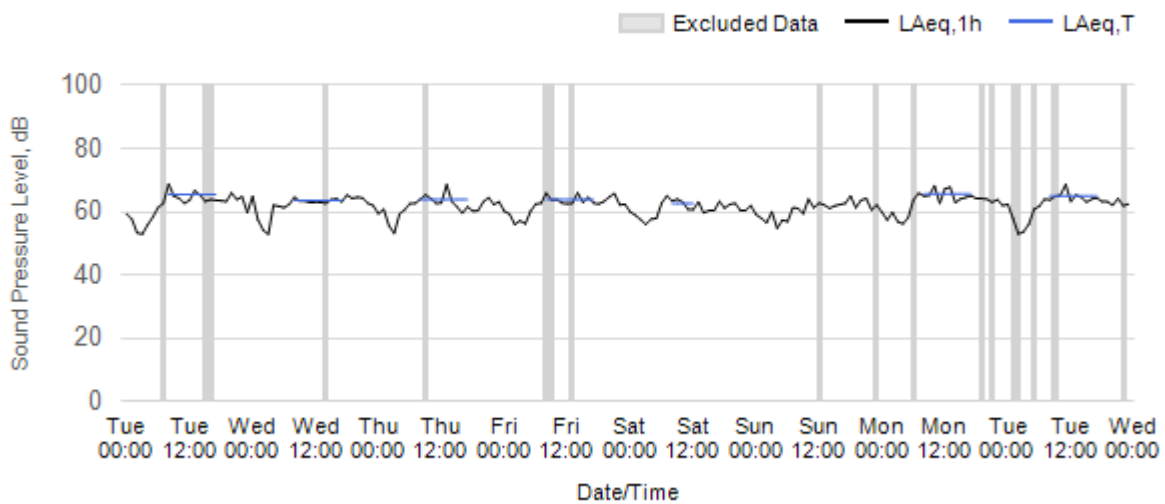
Worksite: Euston Approaches Monitoring Ref: N005 08 April 2026 to 14 April 2026



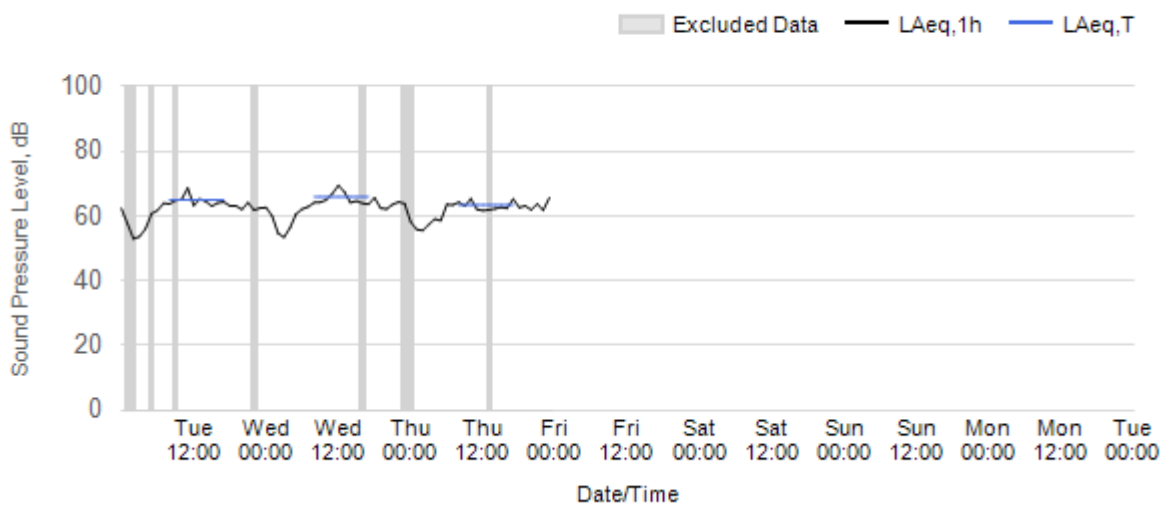
Worksite: Euston Approaches Monitoring Ref: N005 15 April 2026 to 21 April 2026



Worksite: Euston Approaches Monitoring Ref: N005 22 April 2026 to 28 April 2026

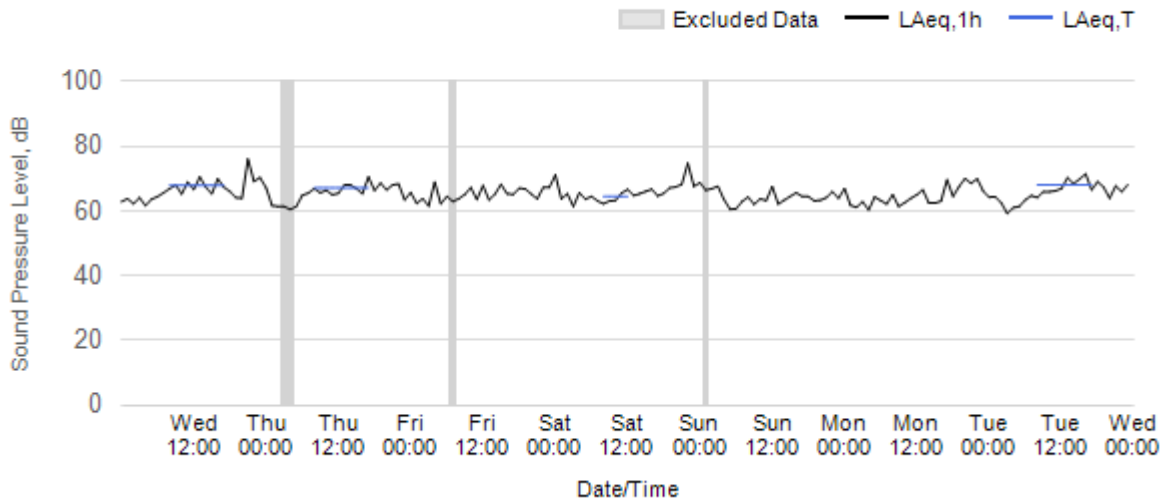


Worksite: Euston Approaches Monitoring Ref: N005 29 April 2026 to 5 May 2026

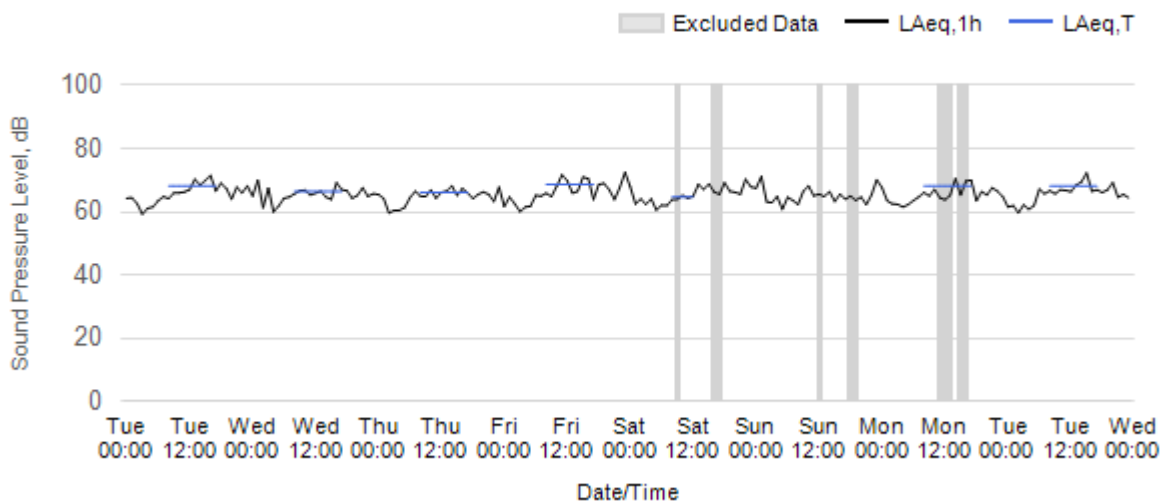


Worksite: NTH-EN - Monitoring Ref: N017

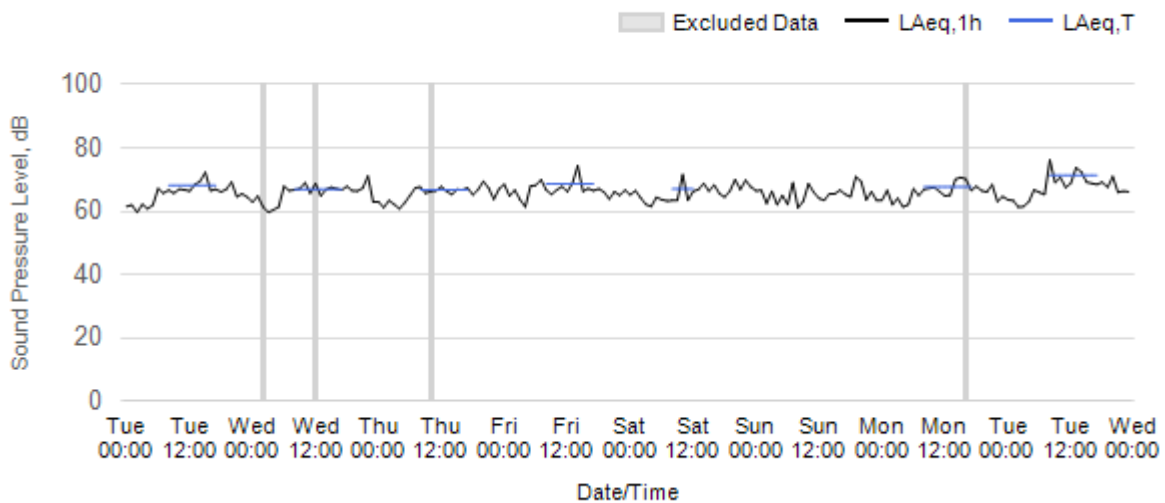
Worksite: NTH-EN Monitoring Ref: N017 01 April 2026 to 07 April 2026



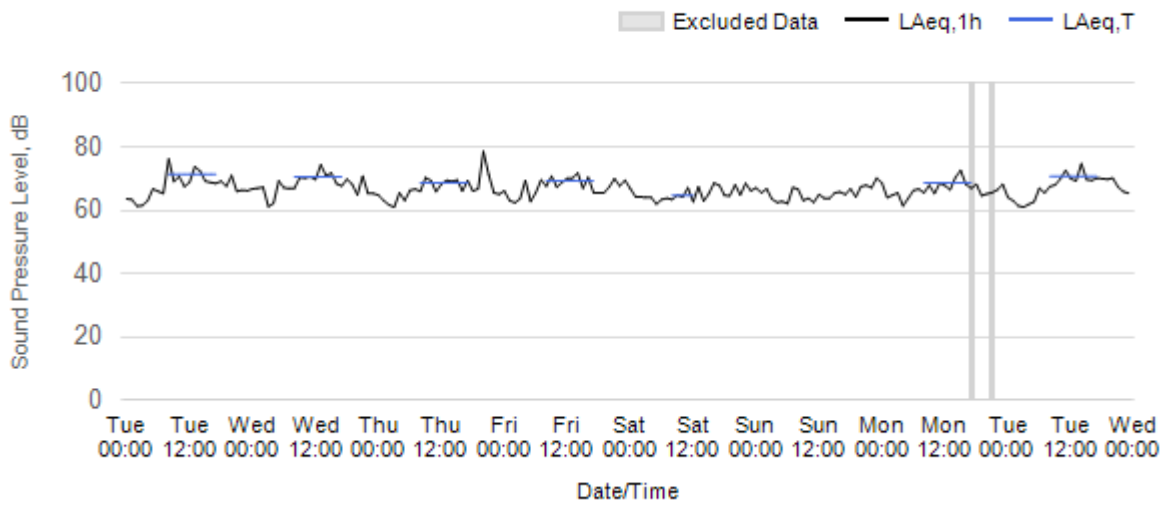
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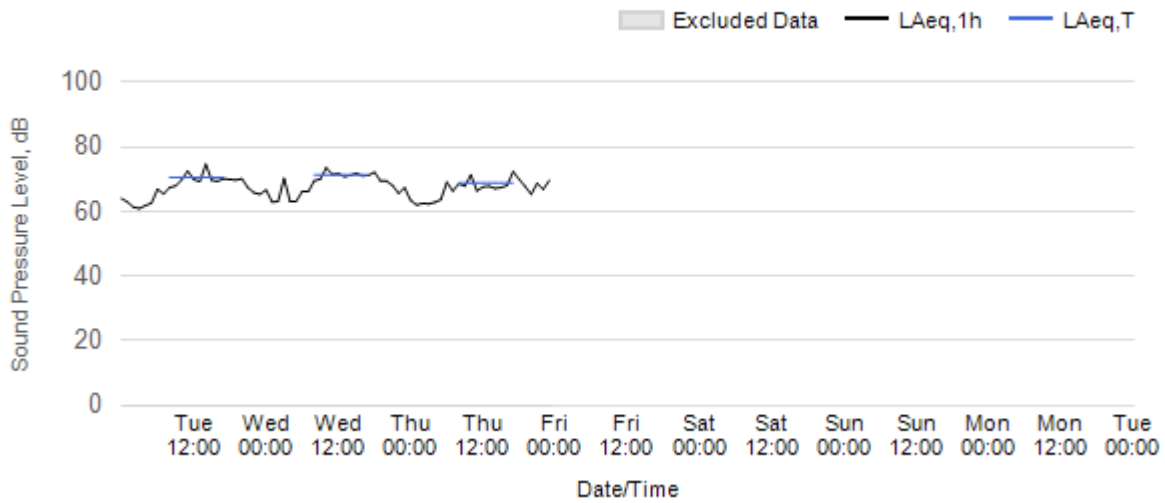
Worksite: NTH-EN Monitoring Ref: N017 15 April 2026 to 21 April 2026



Worksite: NTH-EN Monitoring Ref: N017 22 April 2026 to 28 April 2026

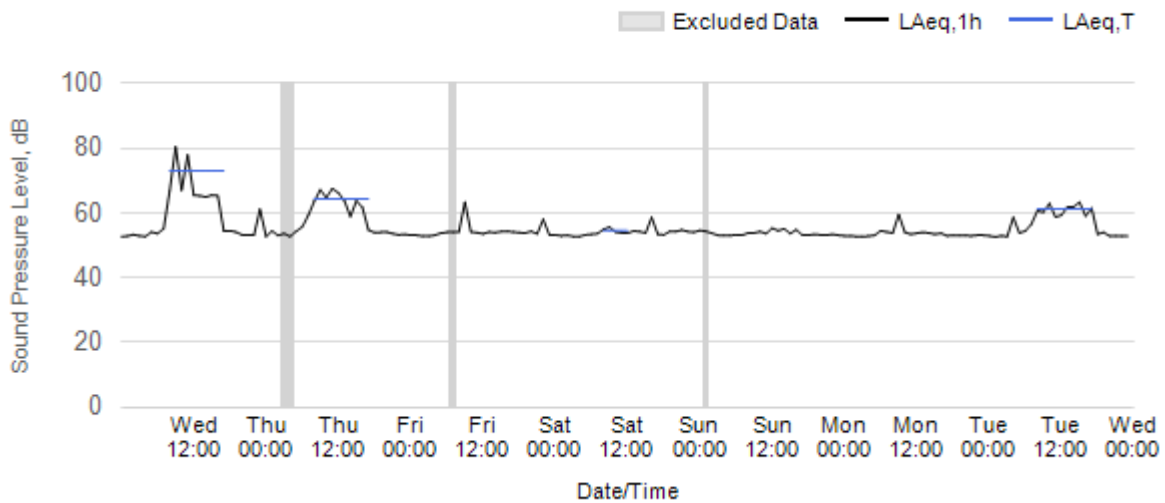


Worksite: NTH-EN Monitoring Ref: N017 29 April 2026 to 5 May 2026

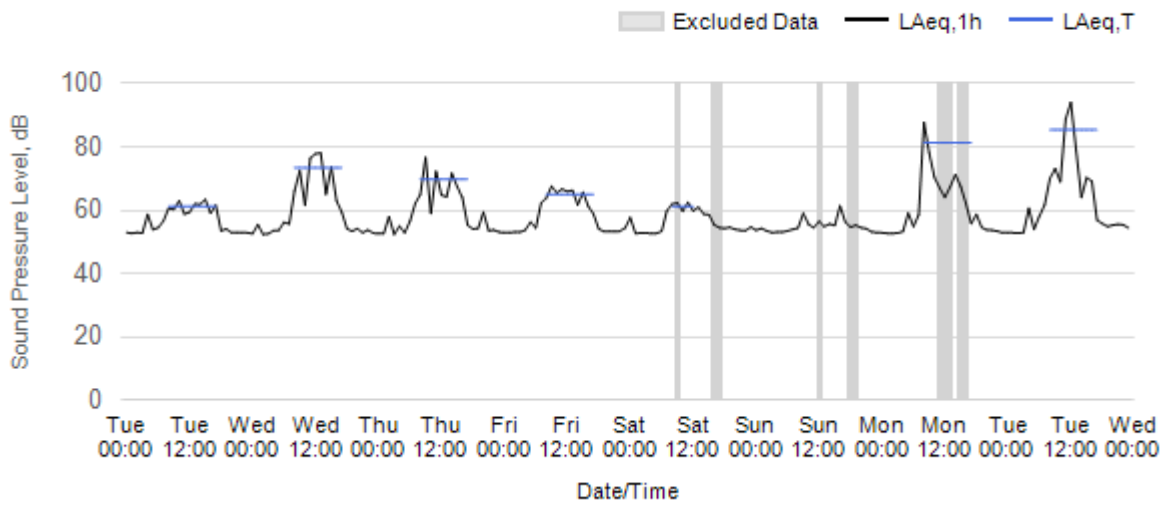


Worksite: TSS - Monitoring Ref: N008

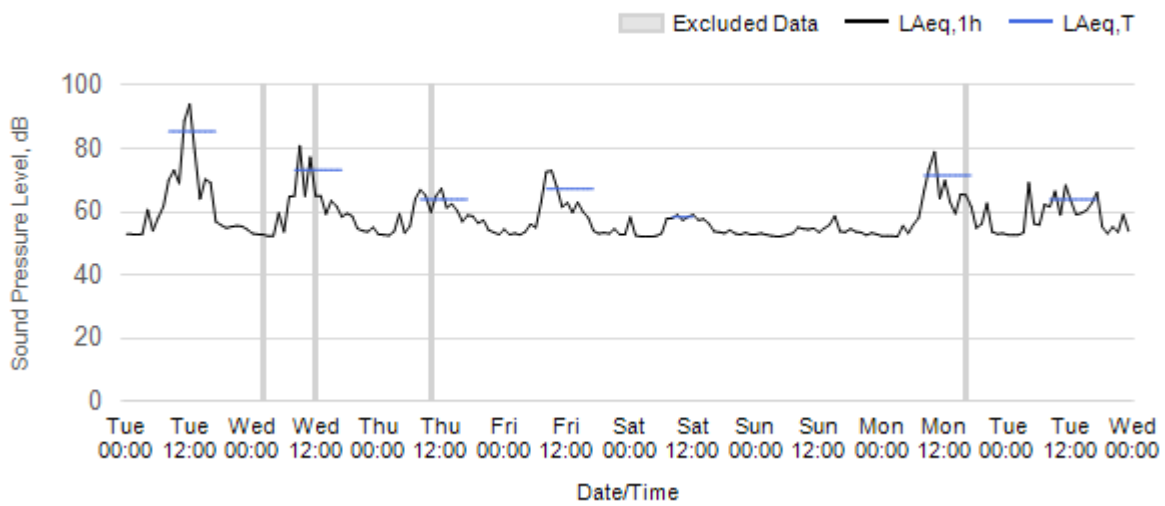
Worksite: TSS Monitoring Ref: N008 01 April 2026 to 07 April 2026



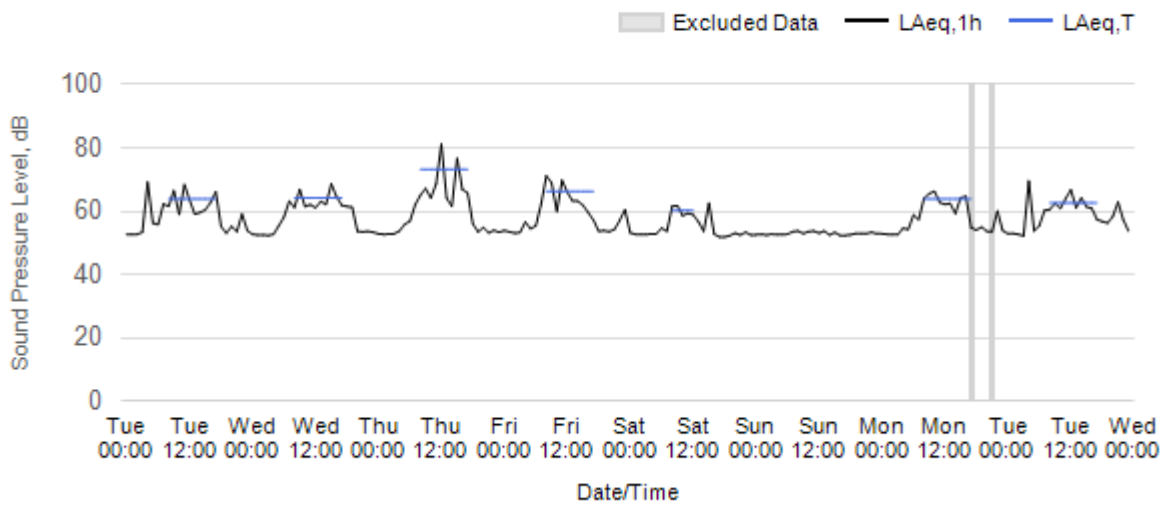
Worksite: TSS Monitoring Ref: N008 08 April 2026 to 14 April 2026



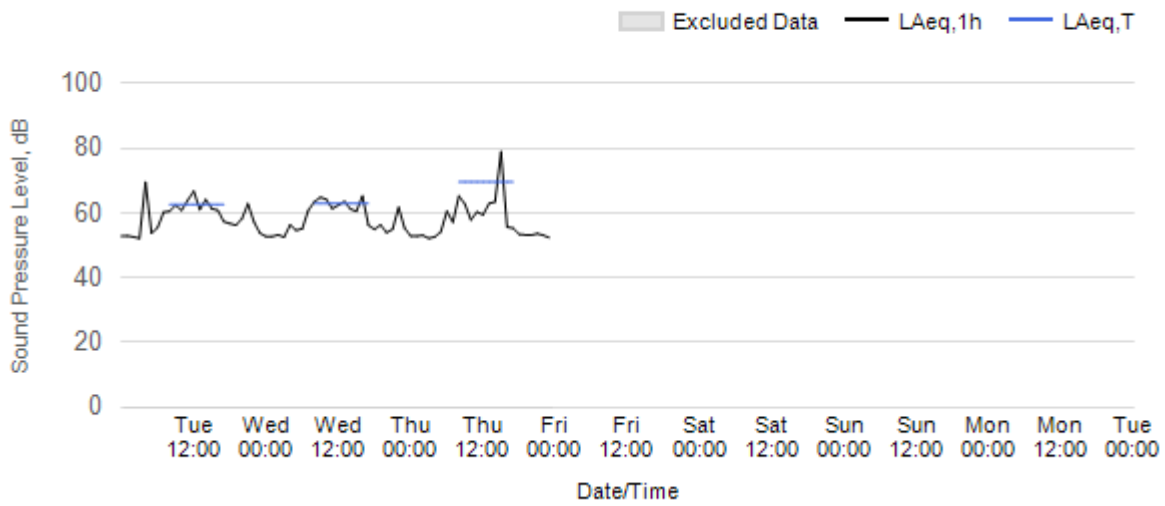
Worksite: TSS Monitoring Ref: N008 15 April 2026 to 21 April 2026



Worksite: TSS Monitoring Ref: N008 22 April 2026 to 28 April 2026



Worksite: TSS Monitoring Ref: N008 29 April 2026 to 5 May 2026

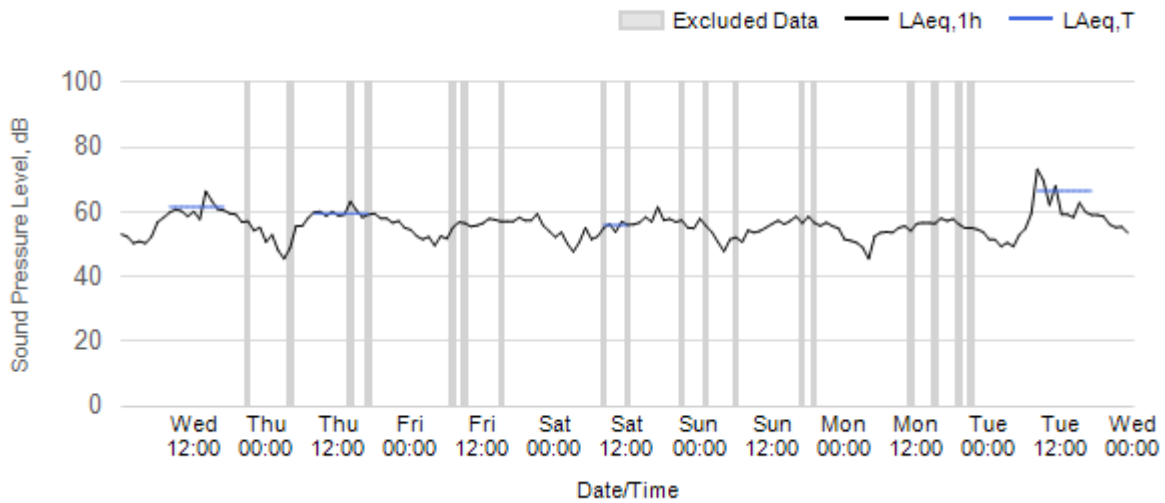


Worksite: Euston Approaches - Monitoring Ref: N001

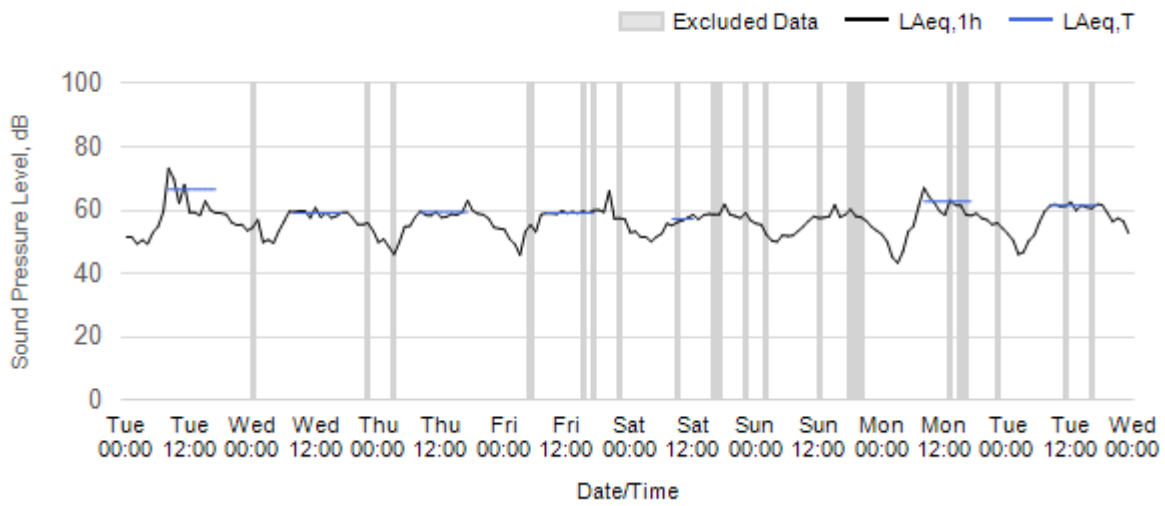
Note: No data measured throughout the month due to loss of power to the lighting column which supplies power to the monitoring station.

Worksite: Euston Approaches - Monitoring Ref: N047

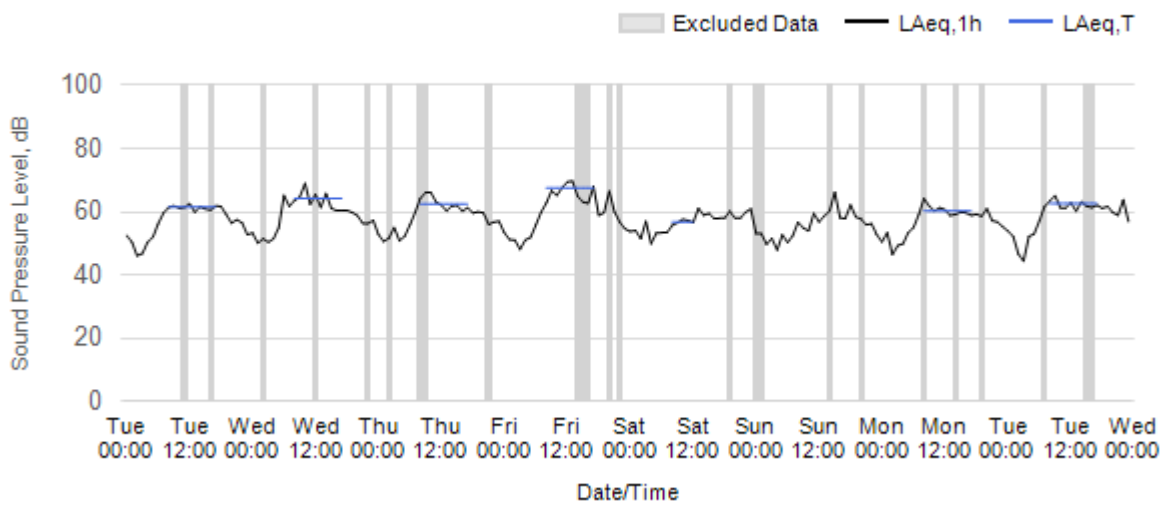
Worksite: Euston Approaches Monitoring Ref: N047 01 April 2026 to 07 April 2026



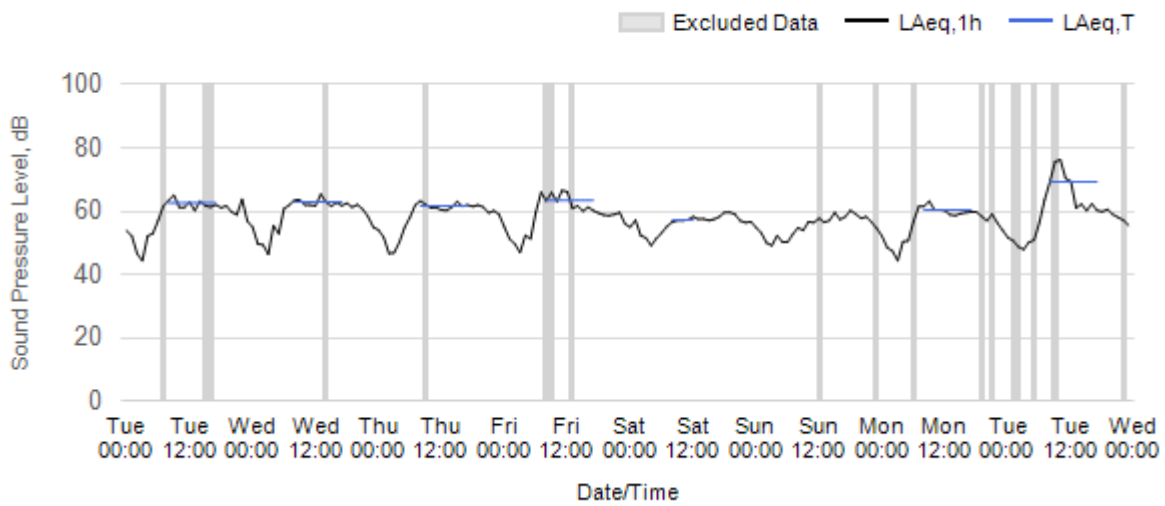
Worksite: Euston Approaches Monitoring Ref: N047 08 April 2026 to 14 April 2026



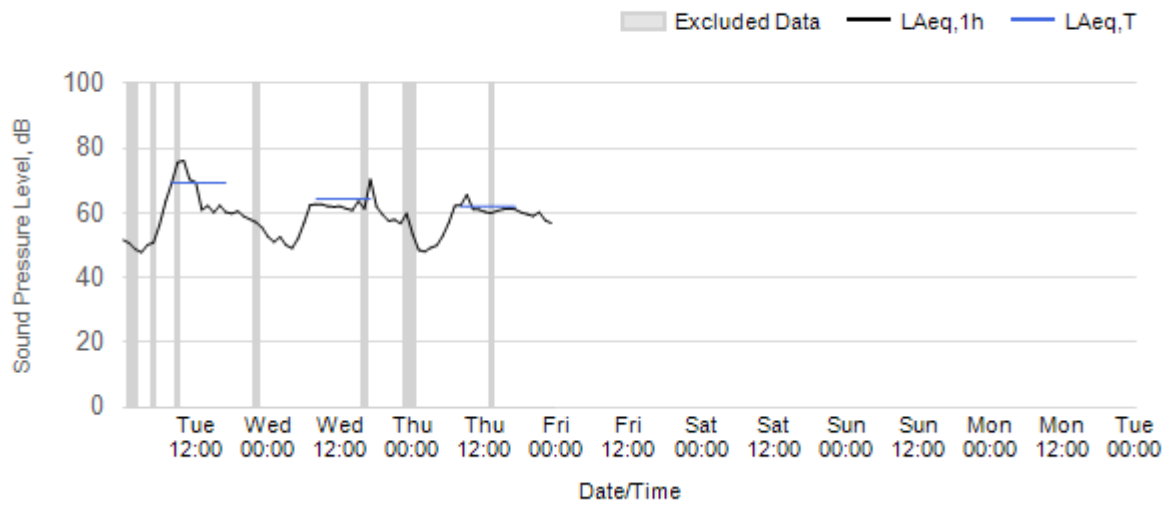
Worksite: Euston Approaches Monitoring Ref: N047 15 April 2026 to 21 April 2026



Worksite: Euston Approaches Monitoring Ref: N047 22 April 2026 to 28 April 2026



Worksite: Euston Approaches Monitoring Ref: N047 29 April 2026 to 5 May 2026

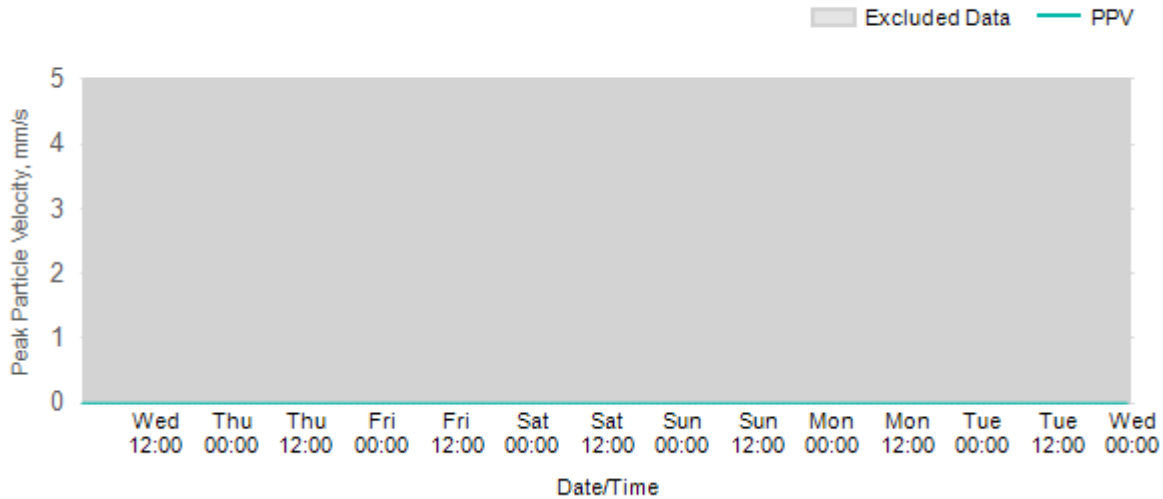


Vibration

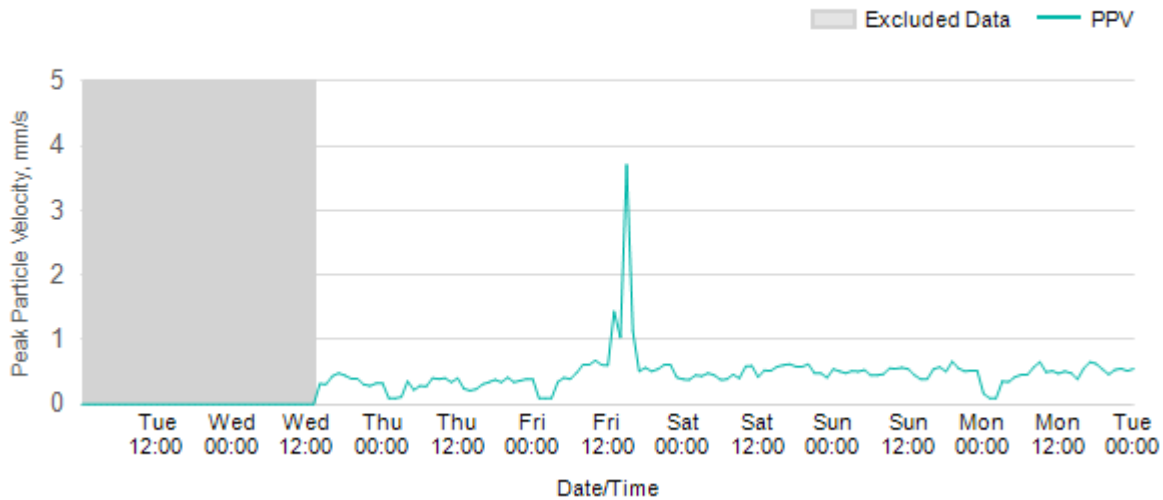
The following graphs show the hourly measured peak particle velocity PPV recorded during the monitoring period. The graphs show the resultant PPV due to vibration components on three orthogonal axis x, y and z. Where high values of PPV were caused by local interference with the vibration monitor, which 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: UN - Monitoring Ref: V061

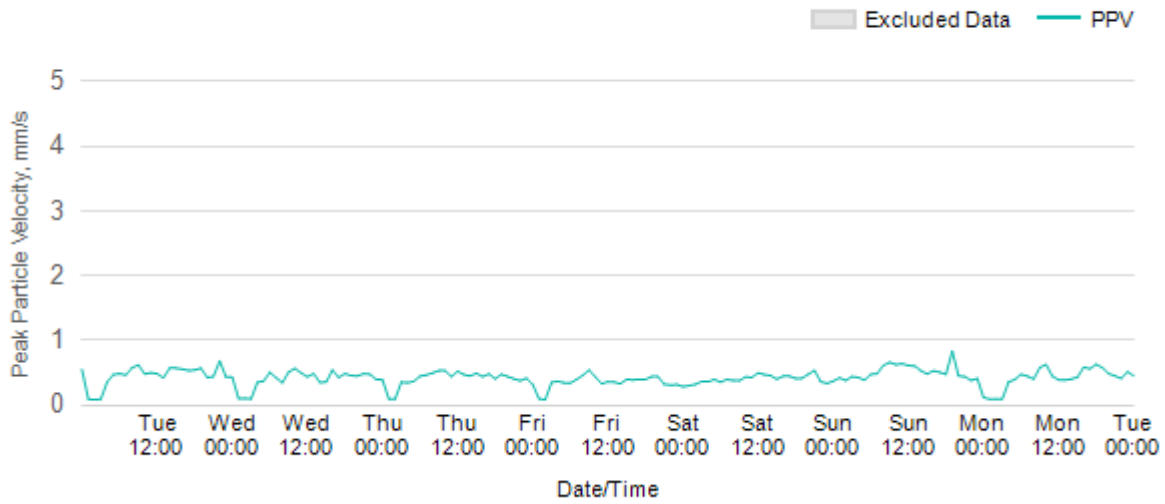
Worksite: UN Monitoring Ref: V061 01 April 2026 to 07 April 2026



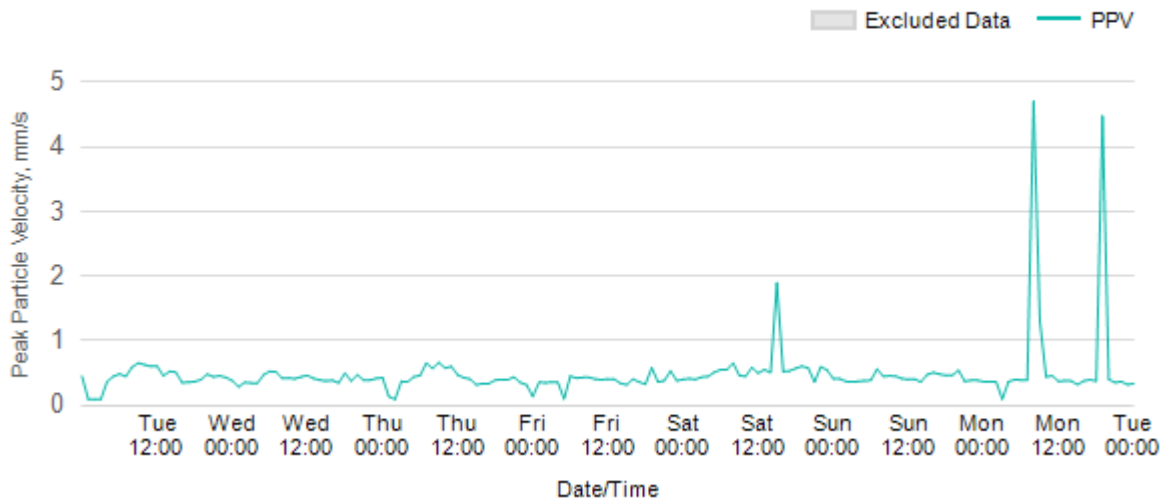
Worksite: UN Monitoring Ref: V061 08 April 2026 to 14 April 2026



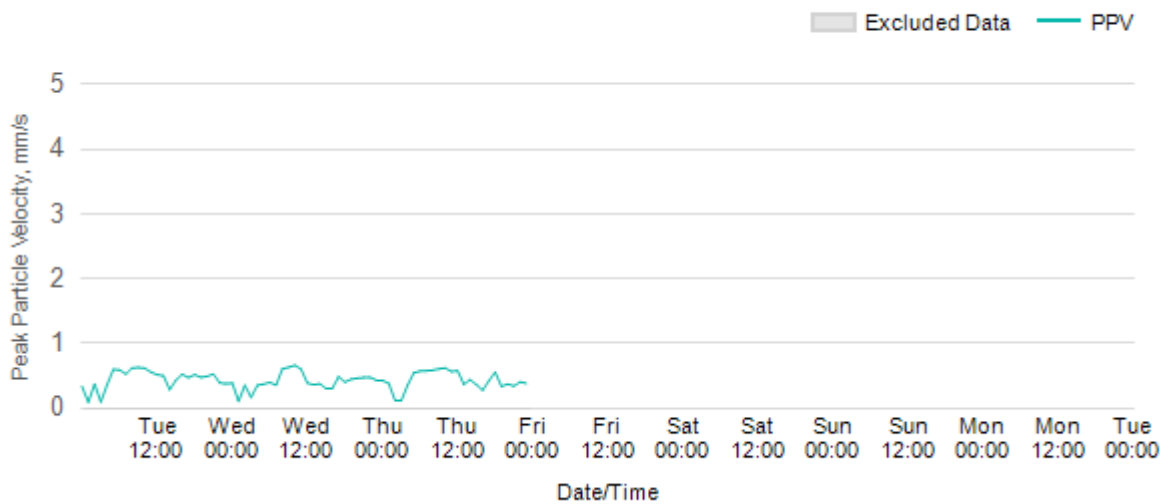
Worksite: UN Monitoring Ref: V061 15 April 2026 to 21 April 2026



Worksite: UN Monitoring Ref: V061 22 April 2026 to 28 April 2026

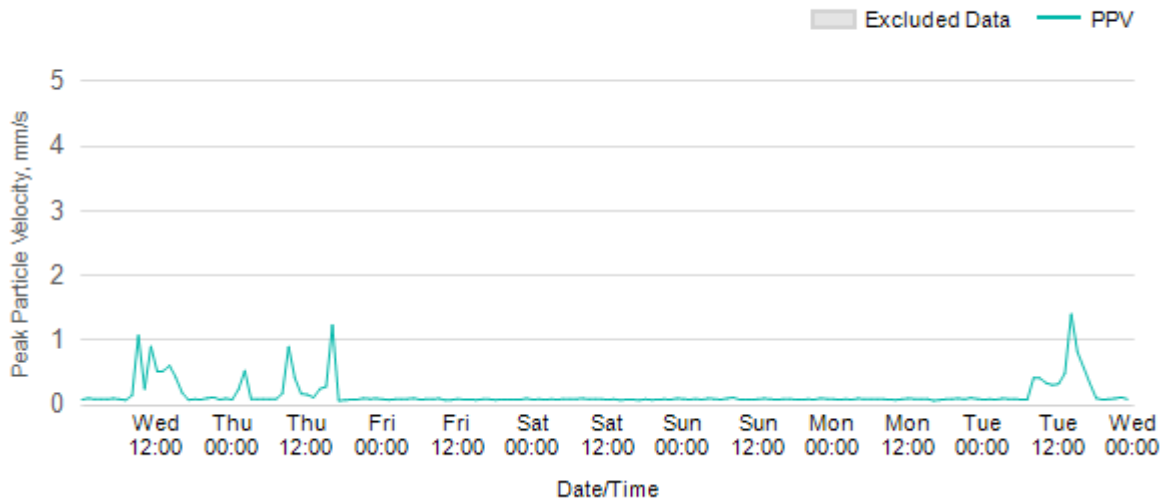


Worksite: UN Monitoring Ref: V061 29 April 2026 to 5 May 2026

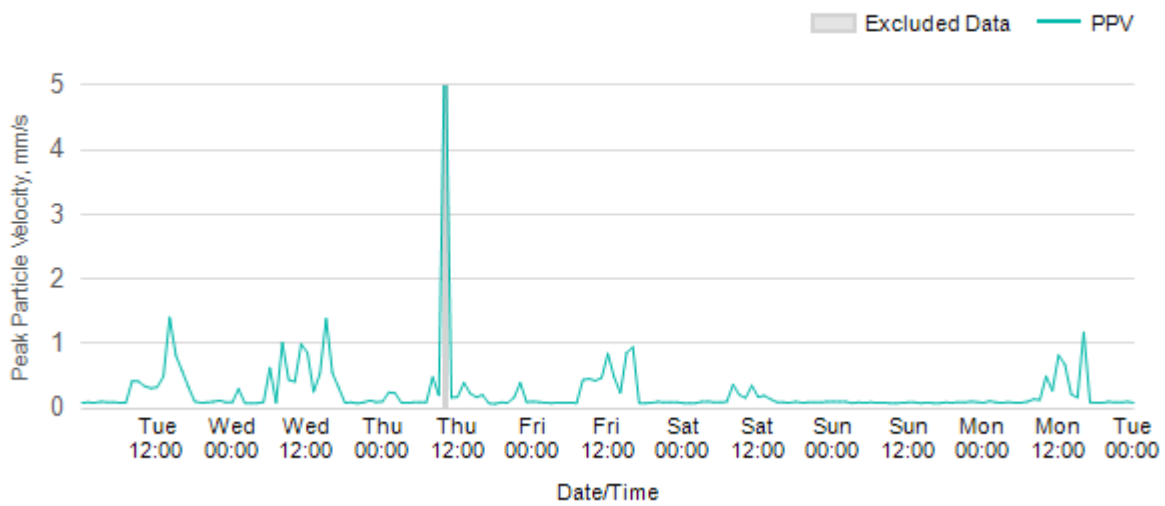


Worksite: TSS - Monitoring Ref: V002

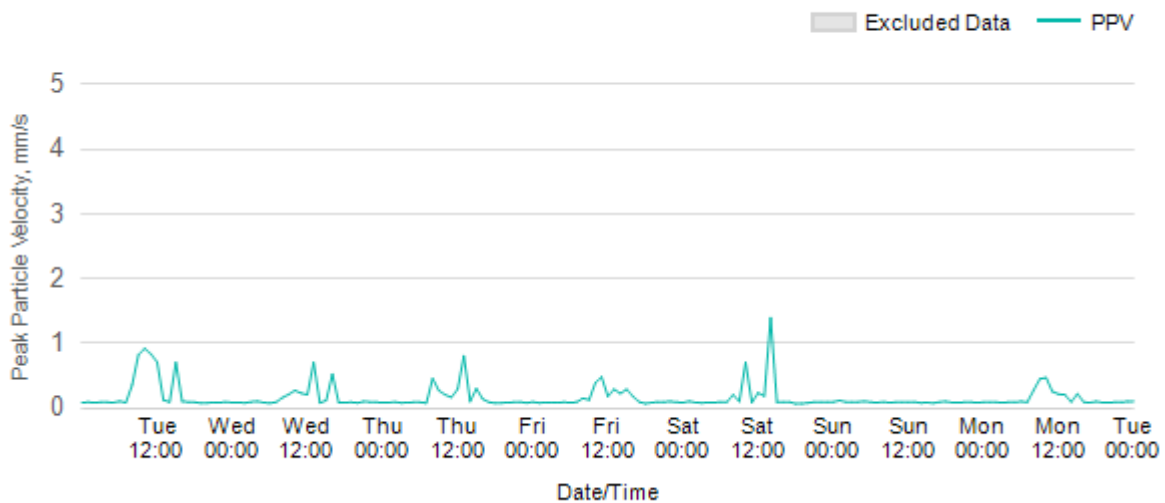
Worksite: TSS Monitoring Ref: V002 01 April 2026 to 07 April 2026



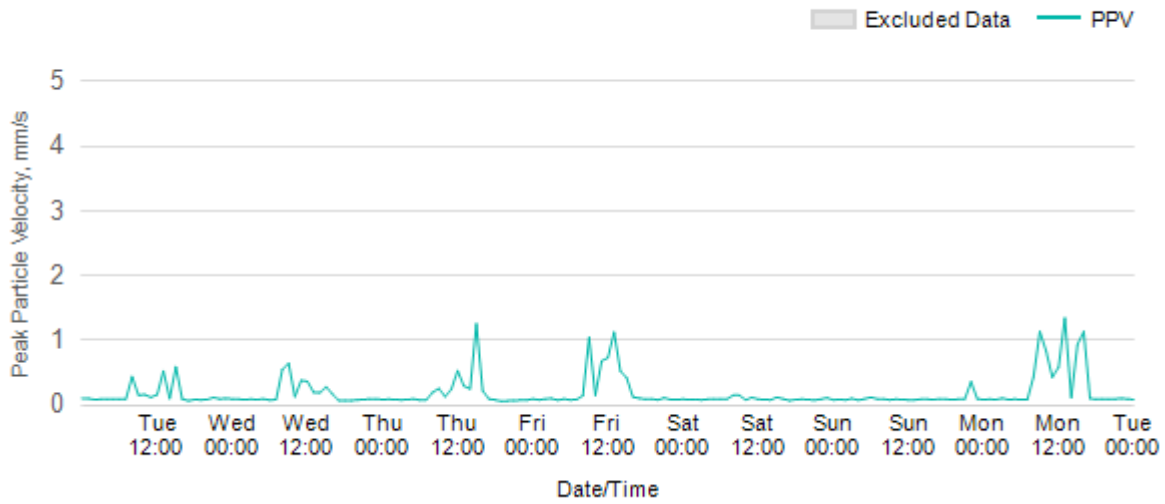
Worksite: TSS Monitoring Ref: V002 08 April 2026 to 14 April 2026



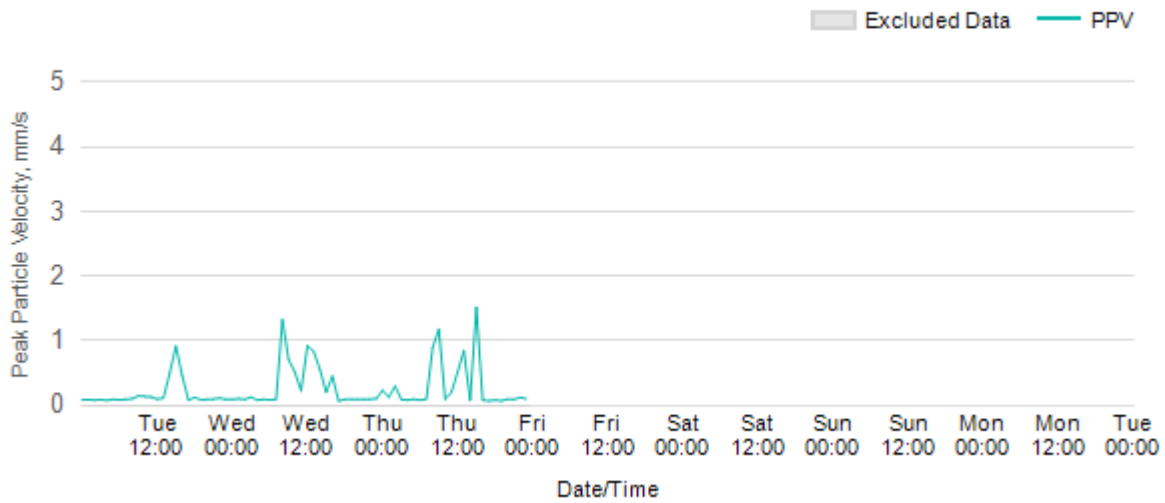
Worksite: TSS Monitoring Ref: V002 15 April 2026 to 21 April 2026



Worksite: TSS Monitoring Ref: V002 22 April 2026 to 28 April 2026

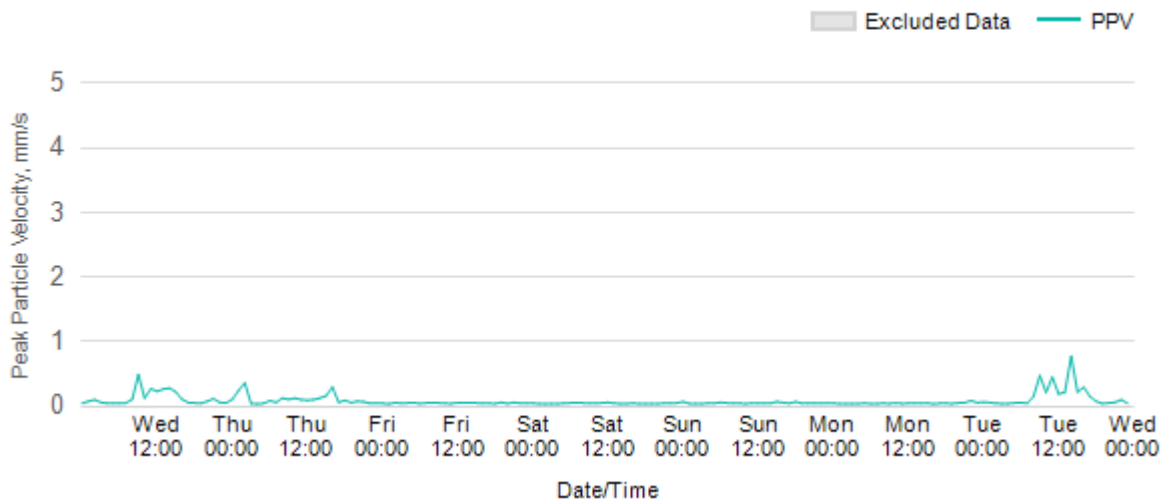


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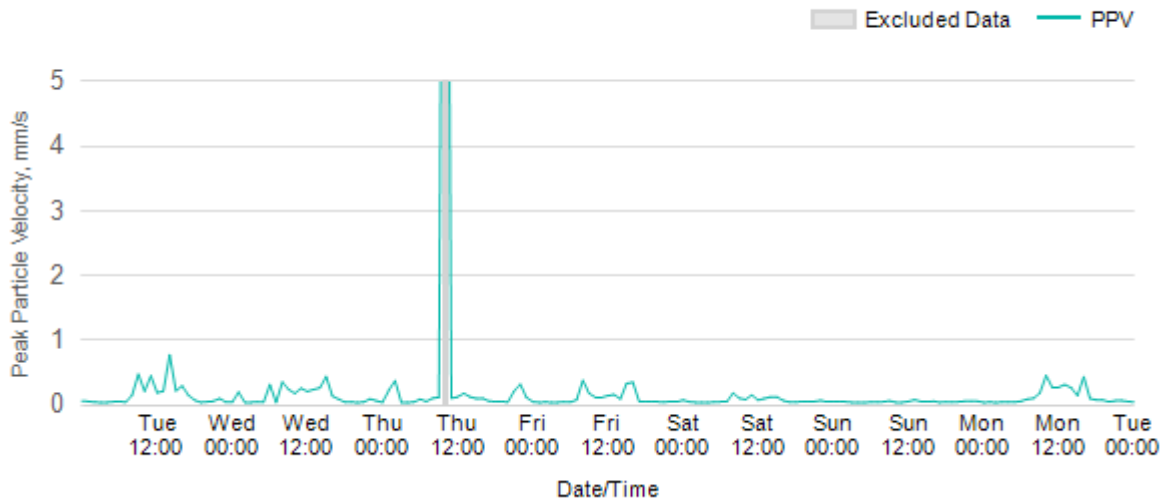


Worksite: ETD, ITR - Monitoring Ref: V003

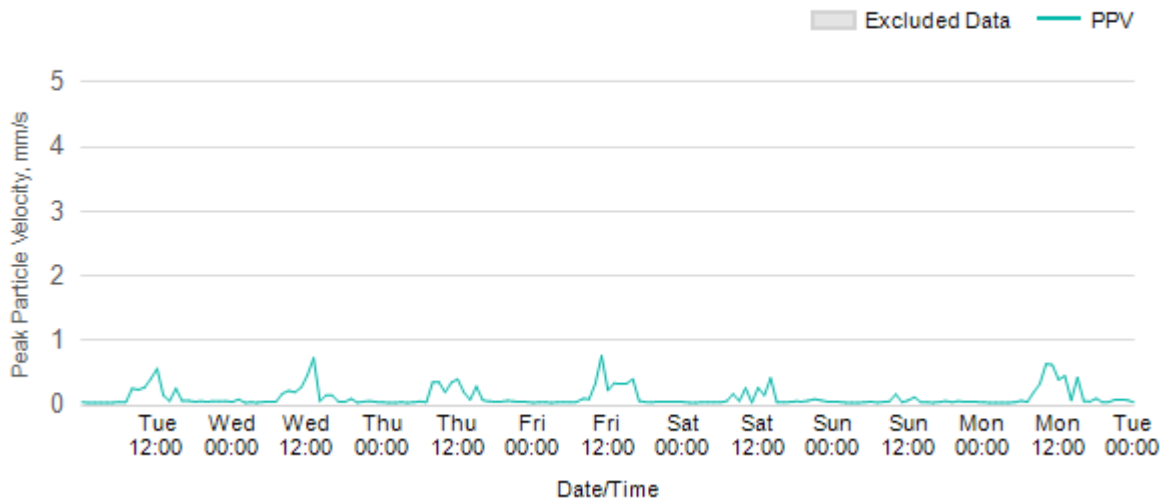
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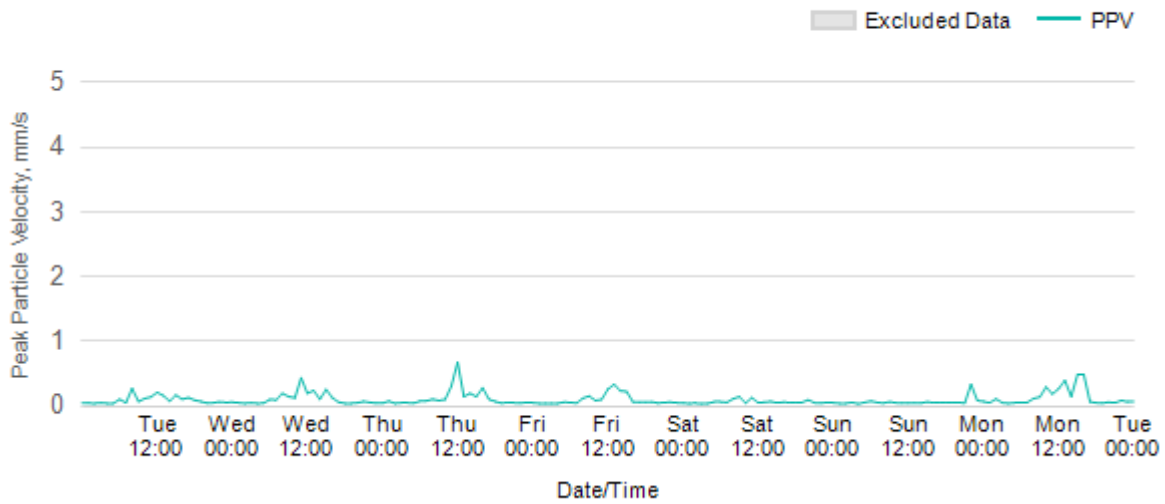
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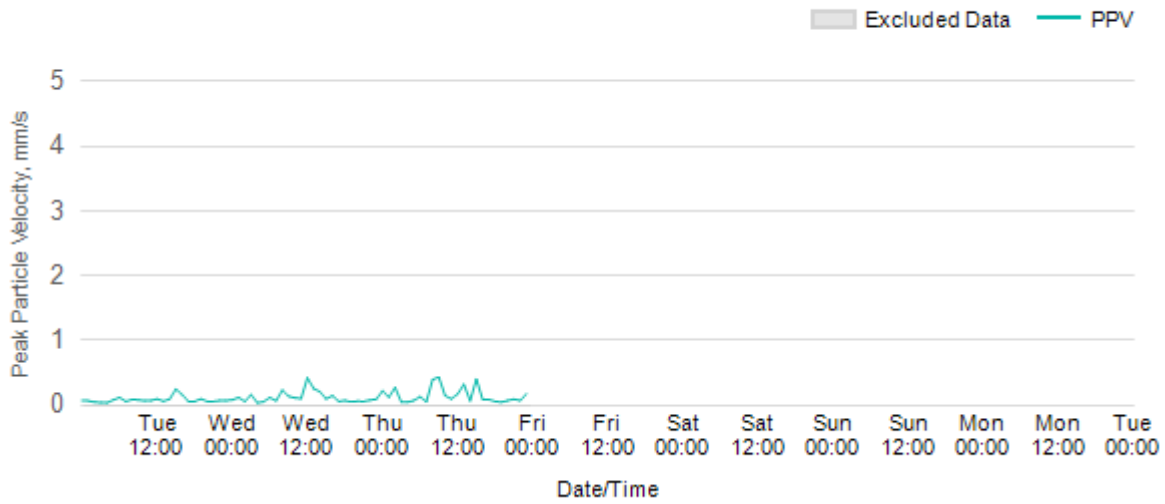
Worksite: ETD, ITR Monitoring Ref: V003 15 April 2026 to 21 April 2026



Worksite: ETD, ITR Monitoring Ref: V003 22 April 2026 to 28 April 2026

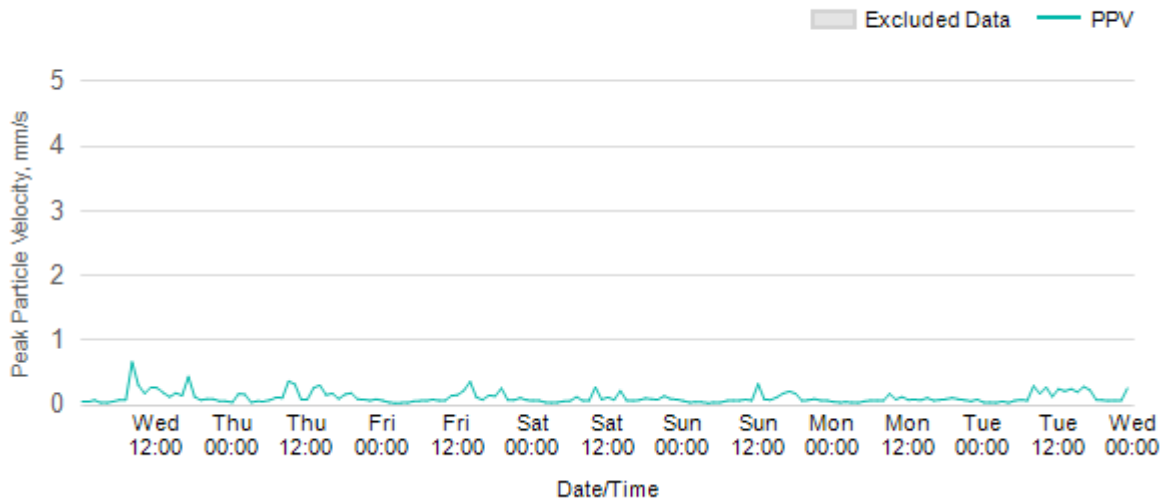


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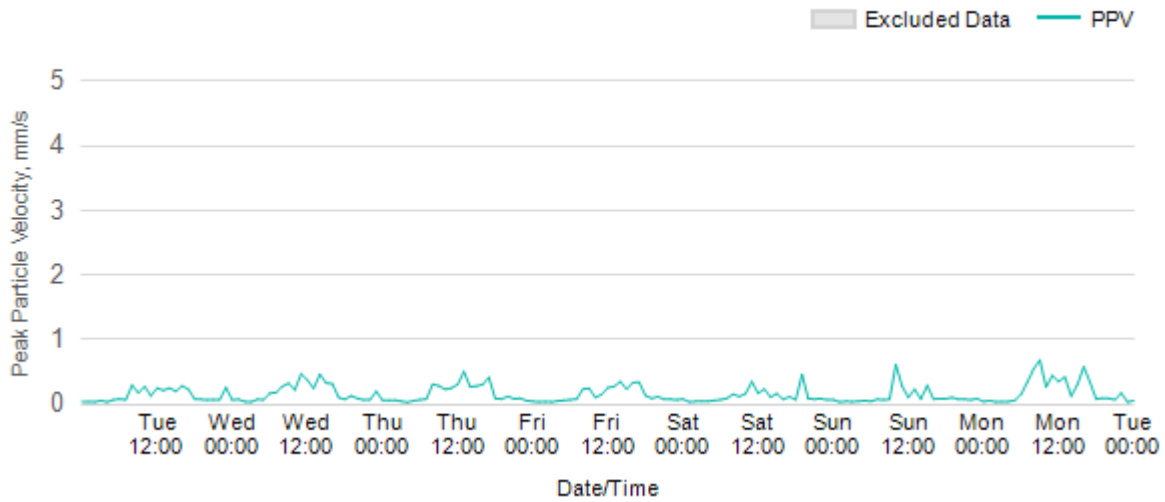


Worksite: NTH-EN - Monitoring Ref: V021

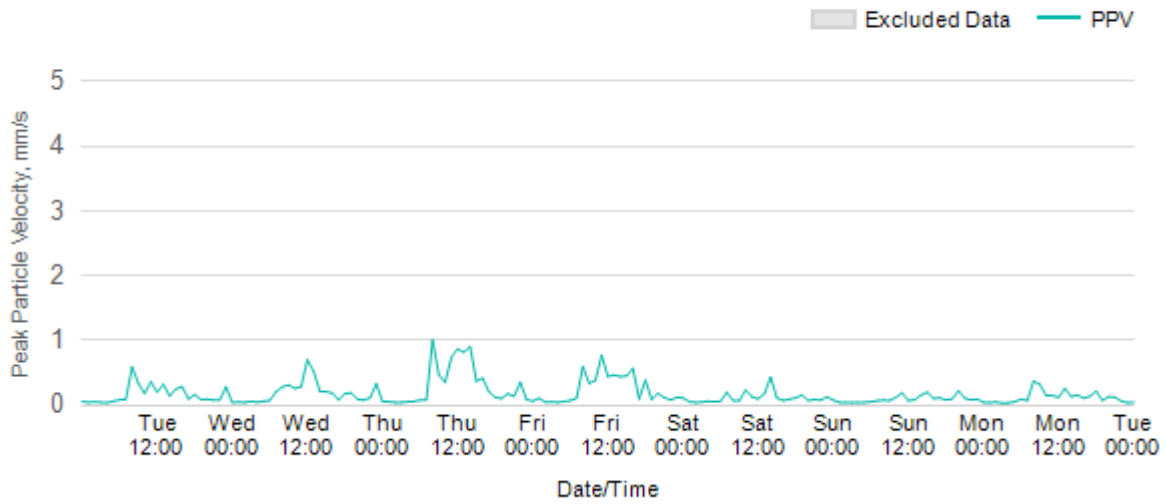
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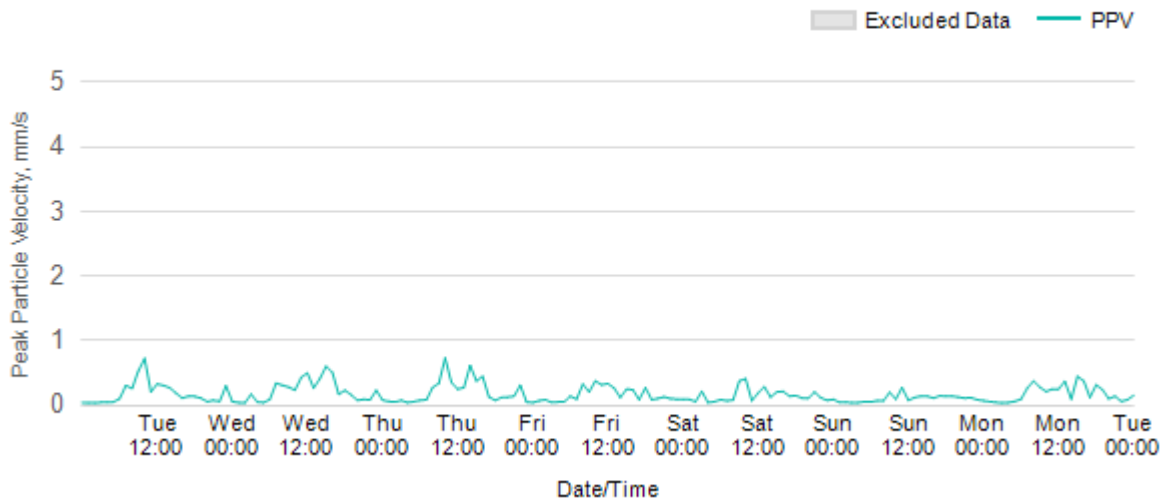
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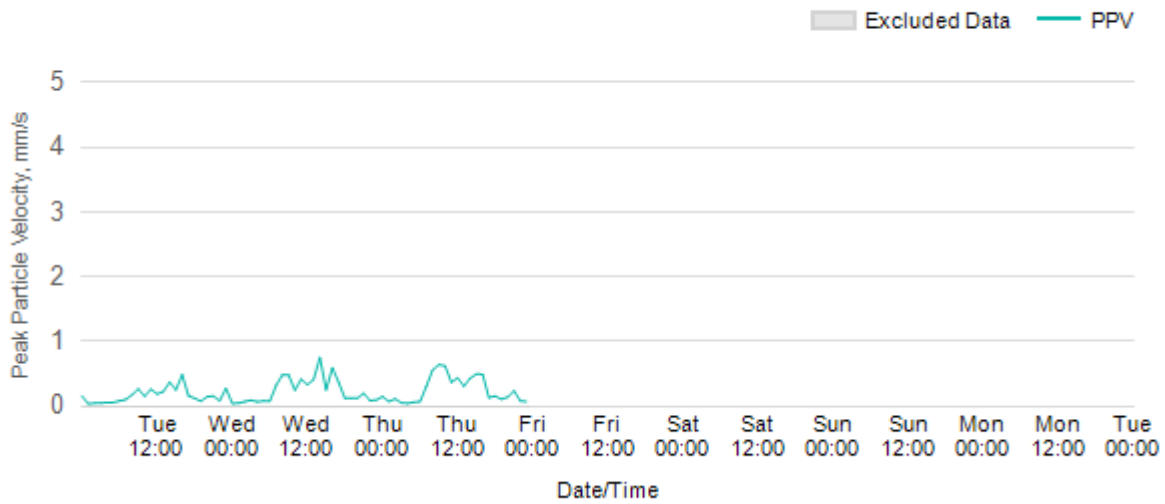
Worksite: NTH-EN Monitoring Ref: V021 15 April 2026 to 21 April 2026



Worksite: NTH-EN Monitoring Ref: V021 22 April 2026 to 28 April 2026

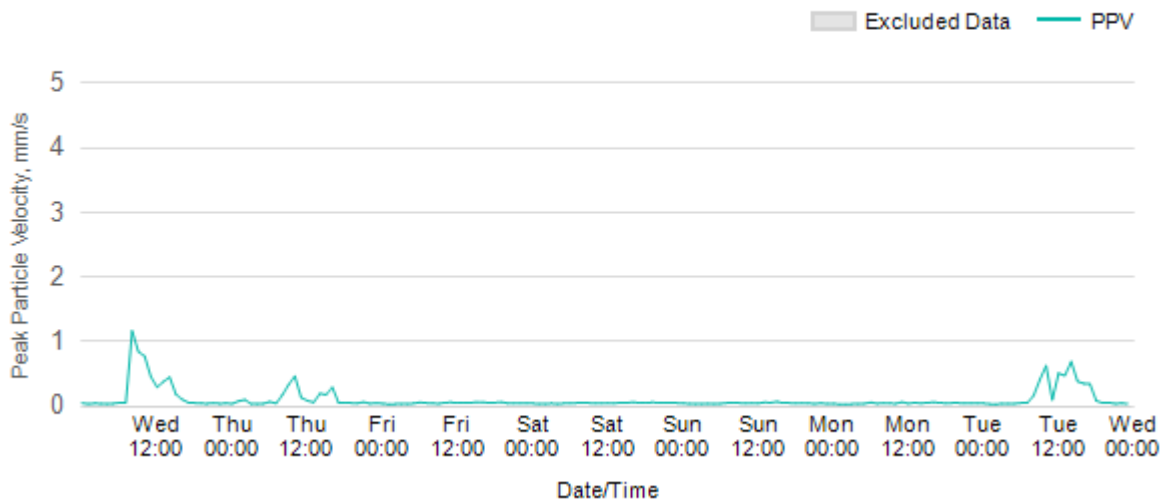


Worksite: NTH-EN Monitoring Ref: V021 29 April 2026 to 5 May 2026

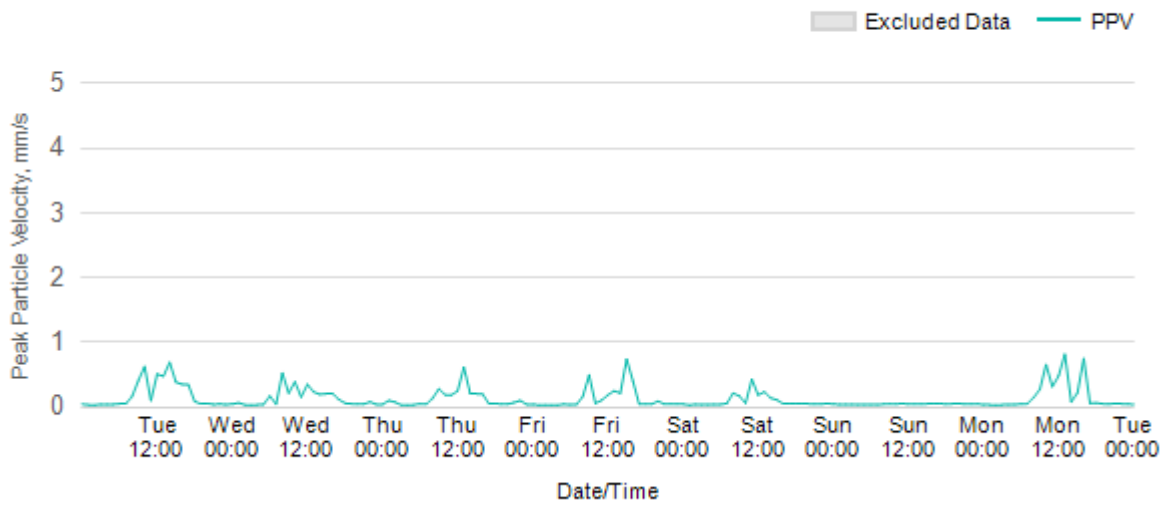


Worksite: TSS - Monitoring Ref: V037

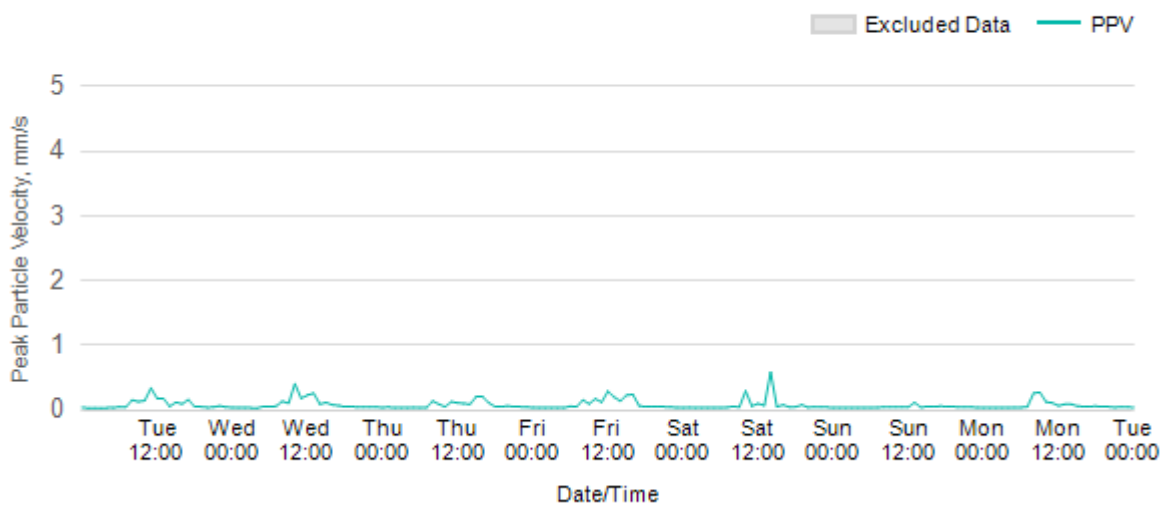
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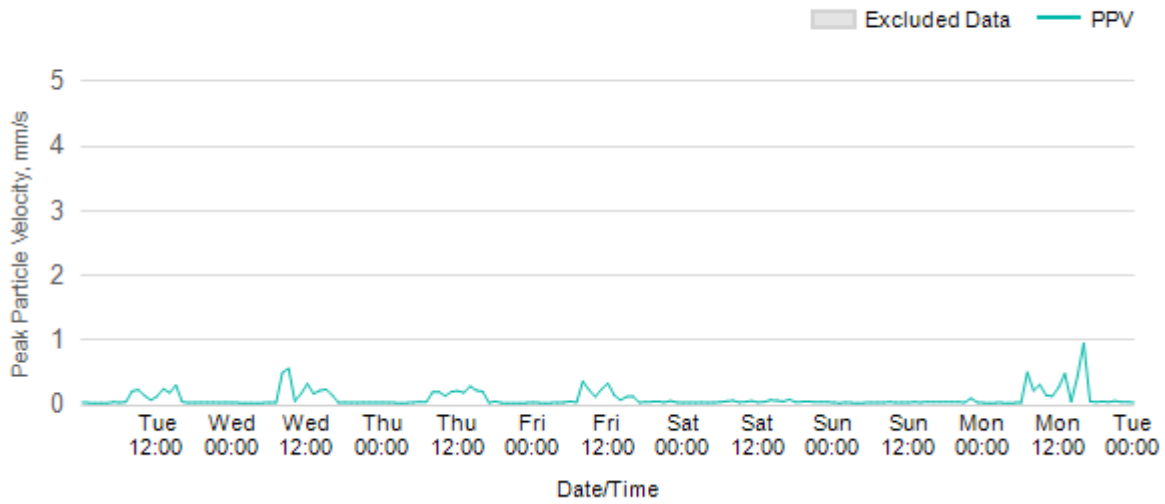
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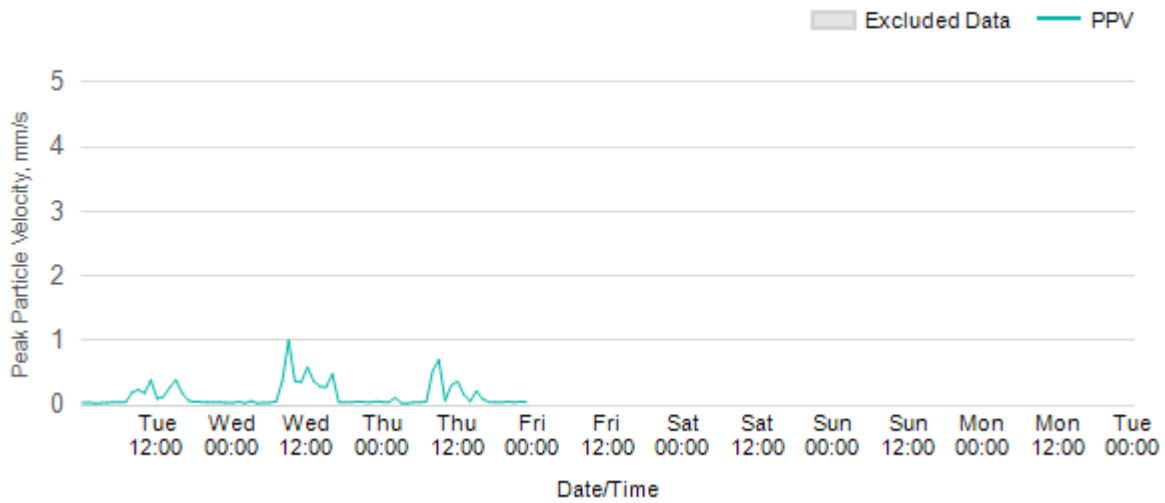
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Worksite: TSS Monitoring Ref: V037 22 April 2026 to 28 April 2026

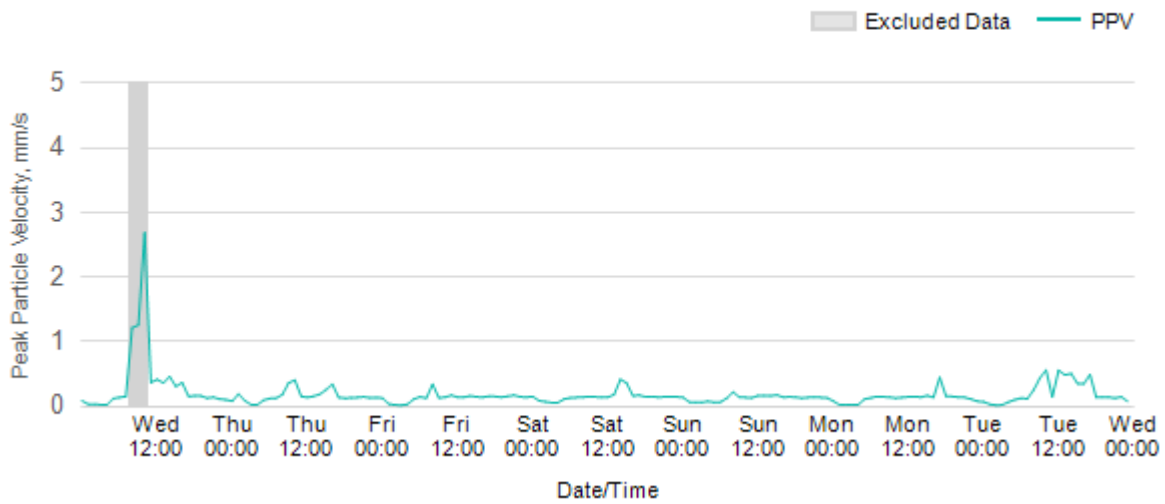


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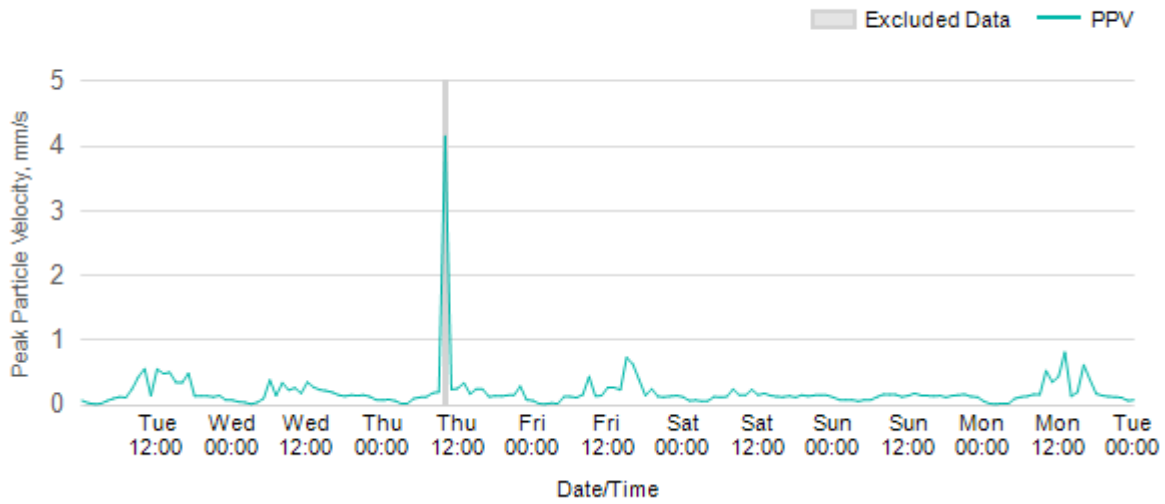


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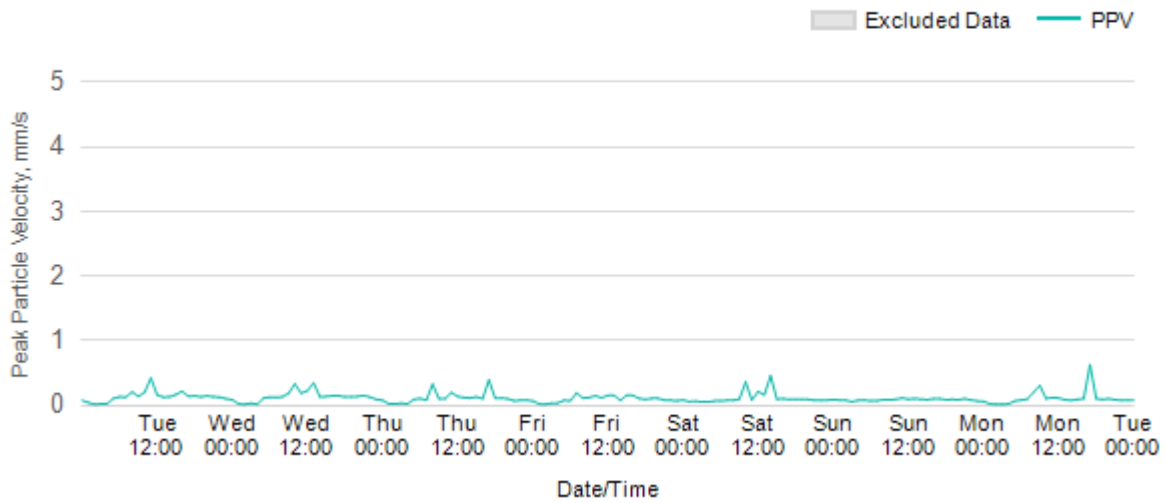
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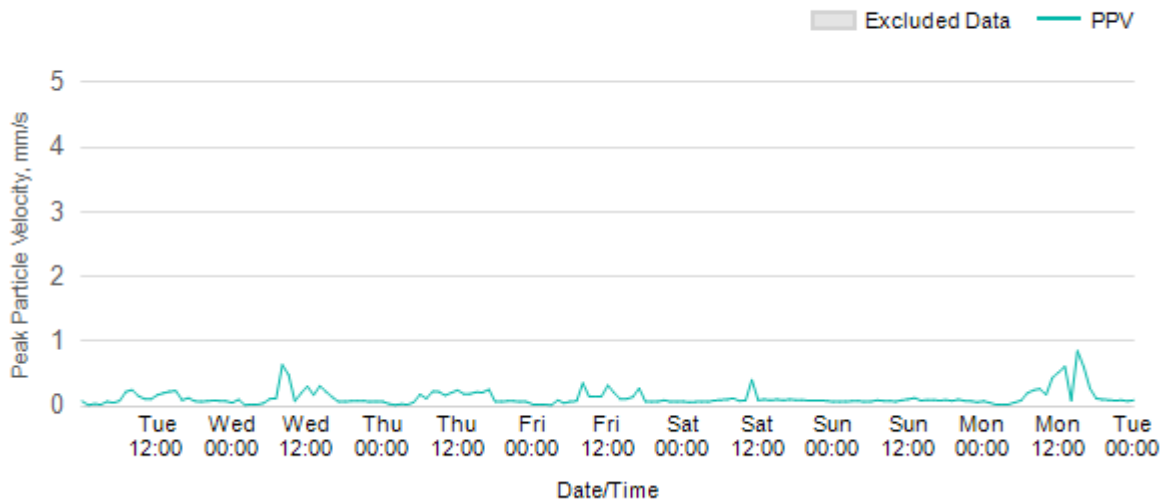
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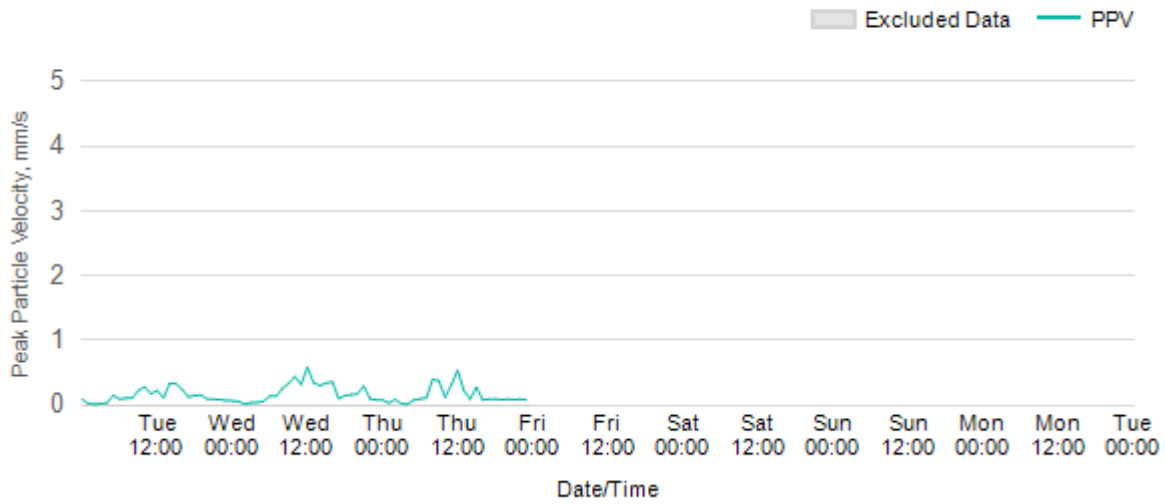
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Worksite: TSS Monitoring Ref: V038 22 April 2026 to 28 April 2026

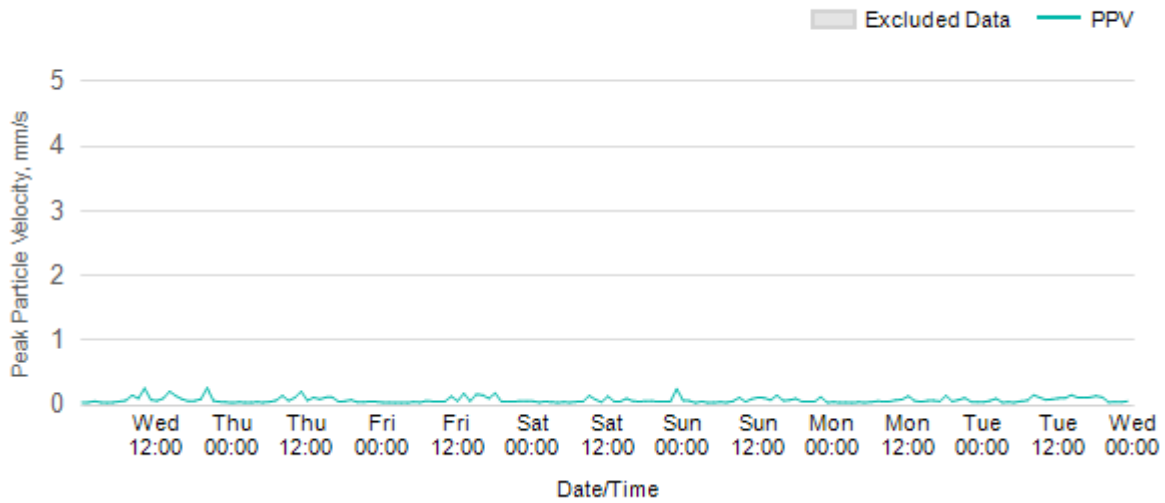


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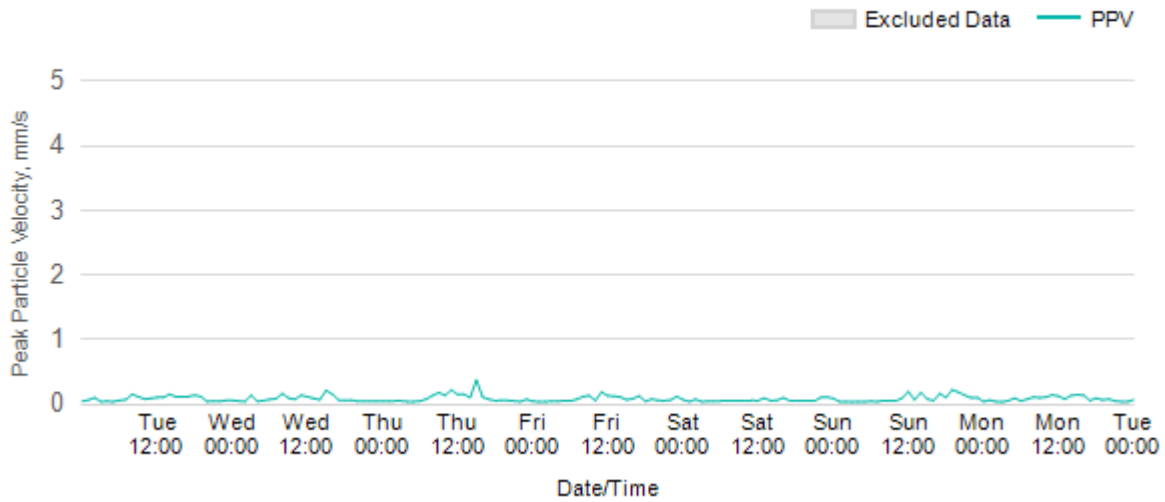


Worksite: Euston Approaches - Monitoring Ref: V039

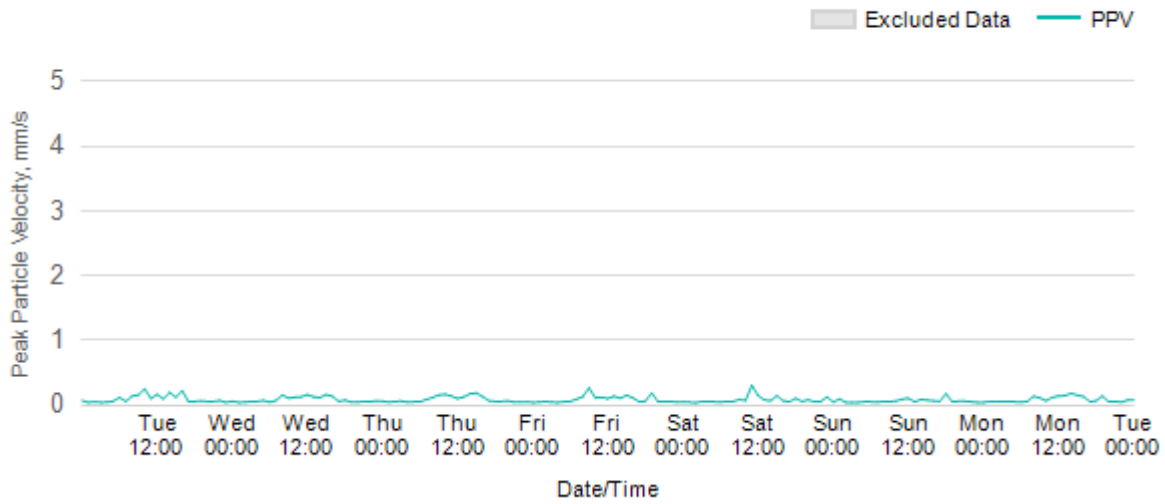
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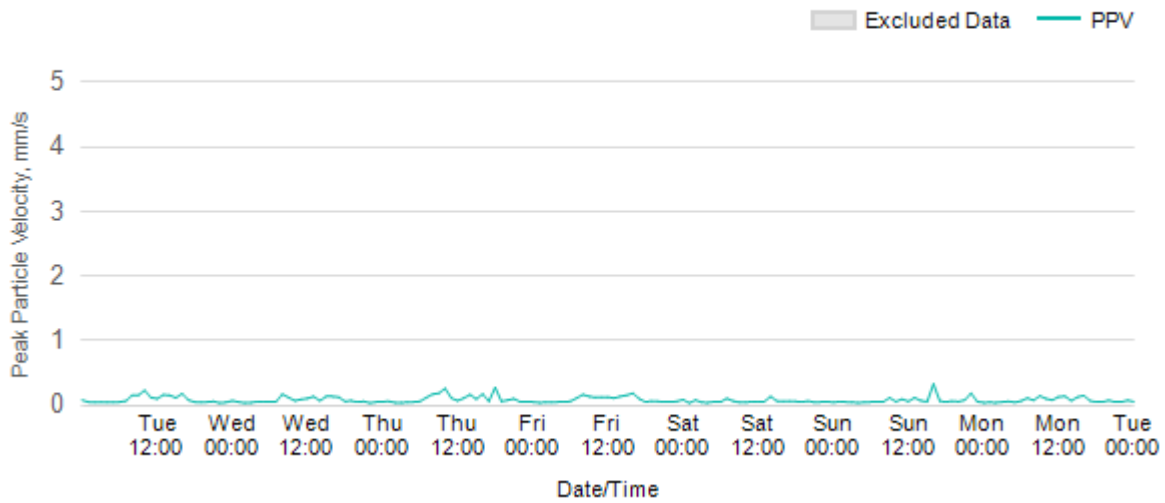
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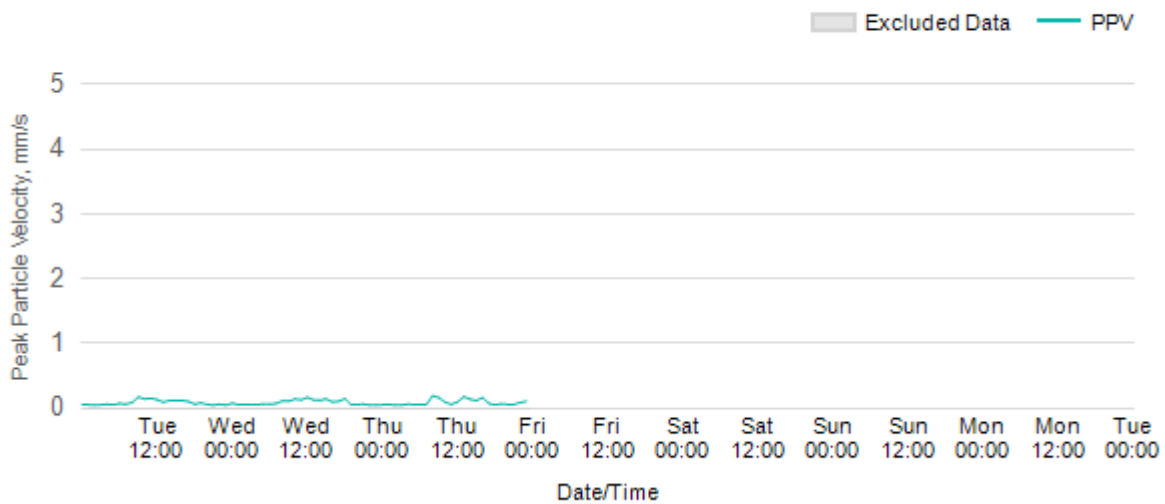
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Worksite: Euston Approaches Monitoring Ref: V039 22 April 2026 to 28 April 2026

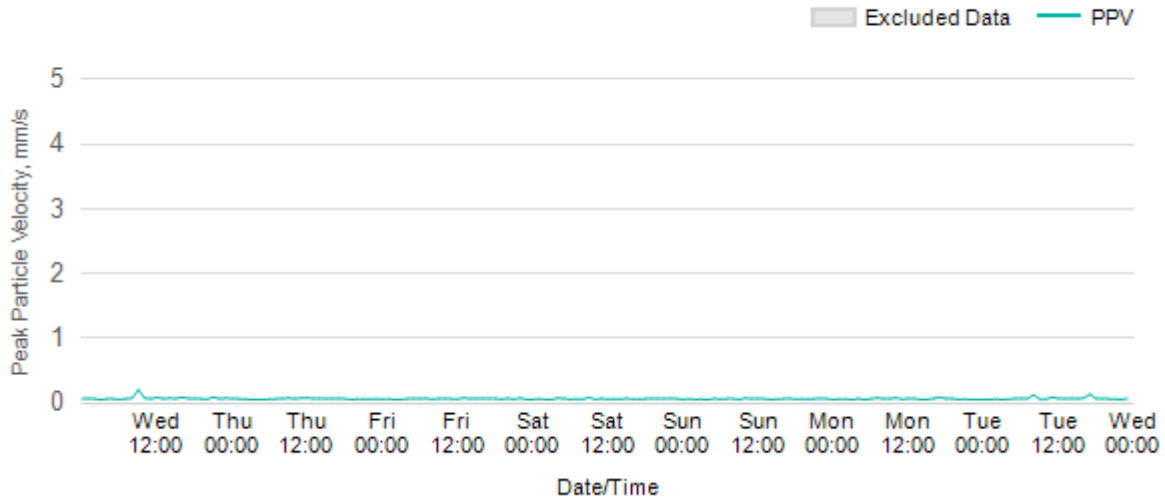


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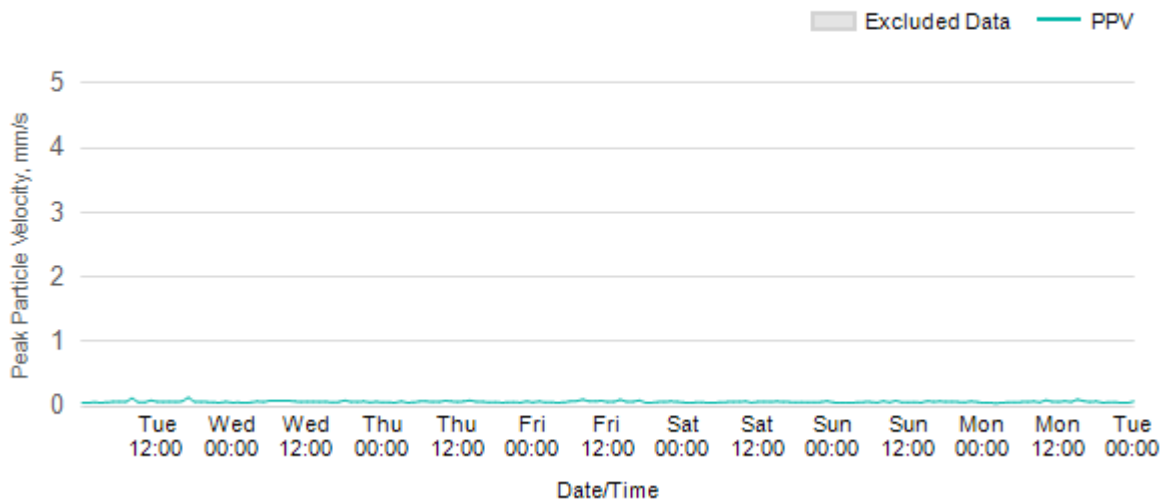


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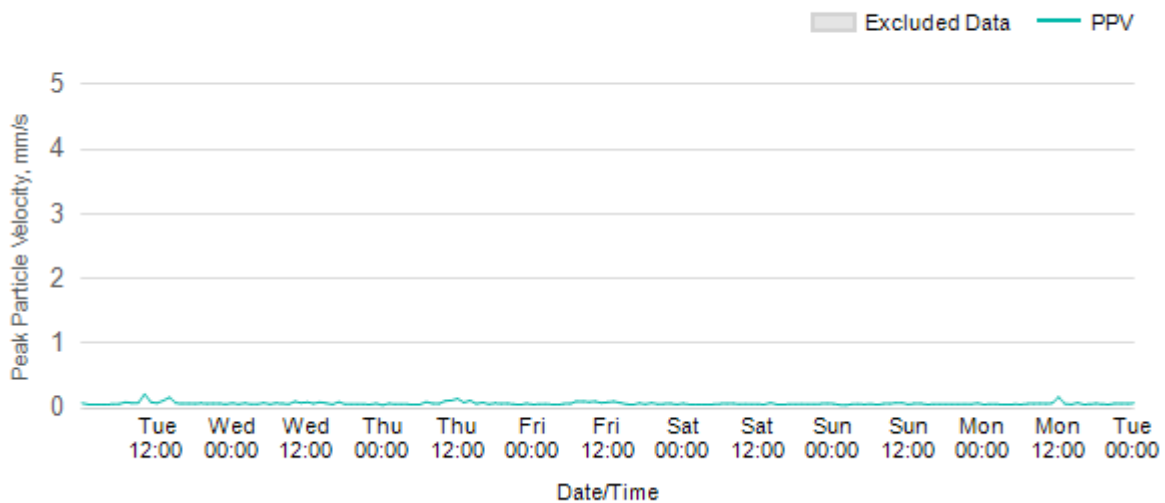
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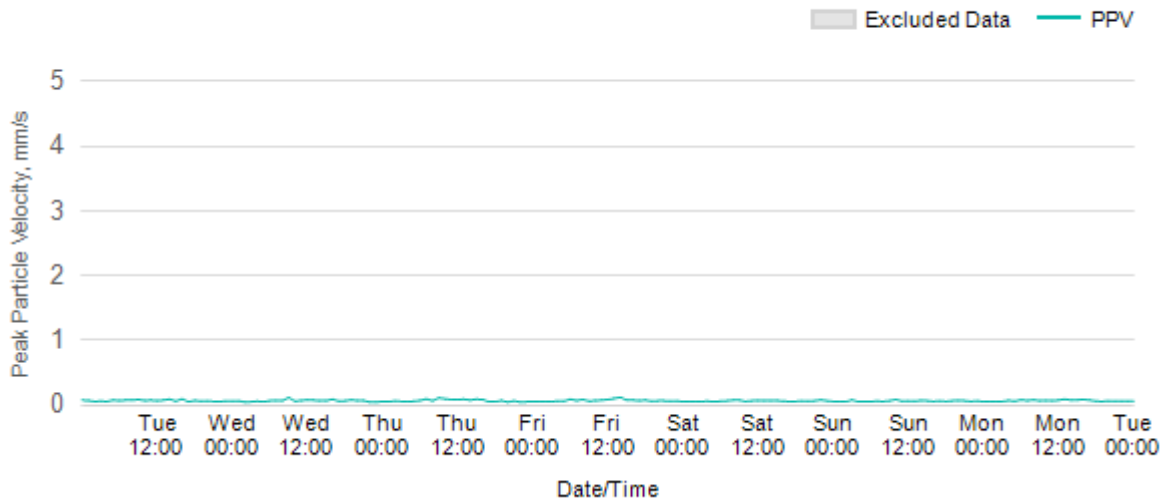
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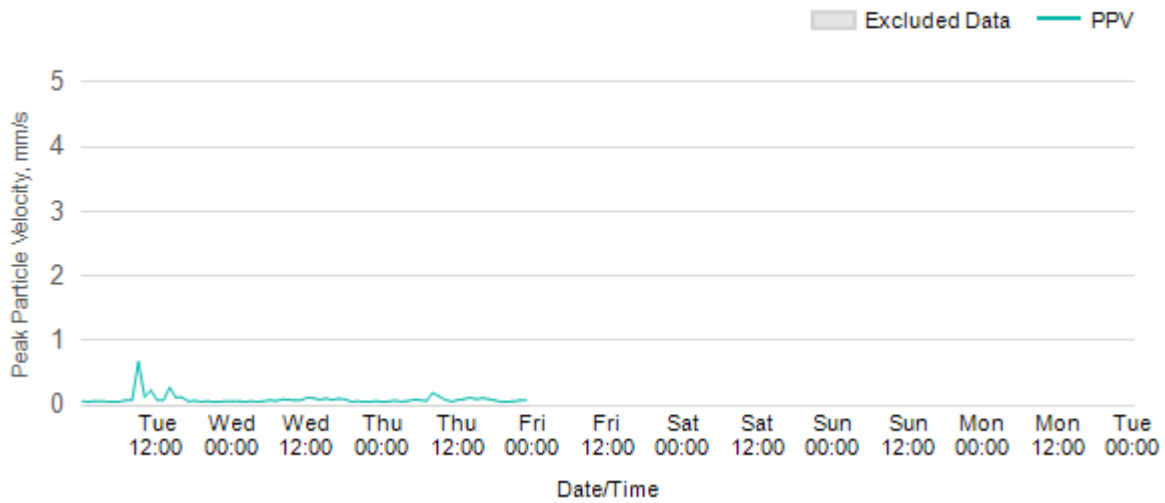
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Worksite: Euston Approaches Monitoring Ref: V043 22 April 2026 to 28 April 2026

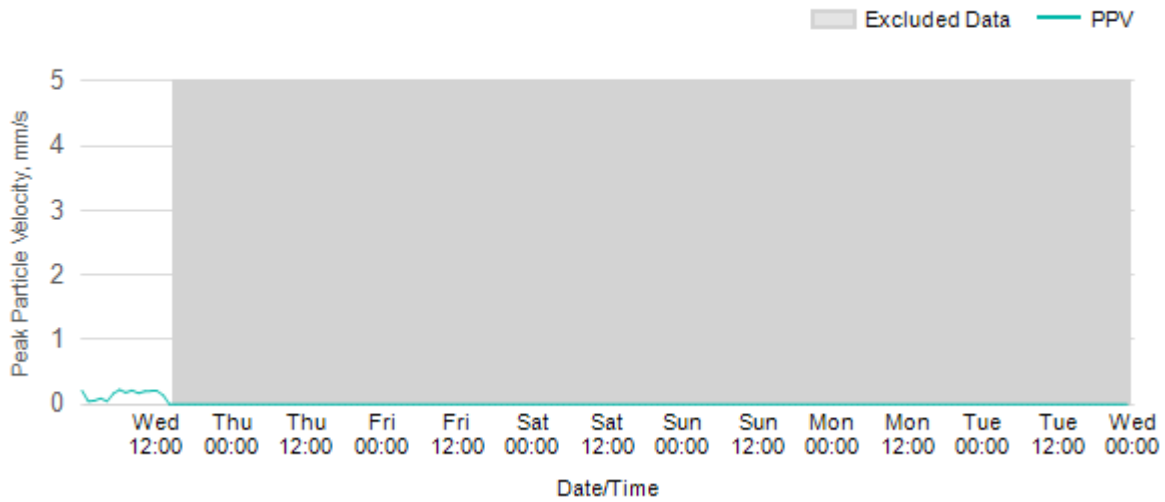


Worksite: Euston Approaches Monitoring Ref: V043 29 April 2026 to 5 May 2026

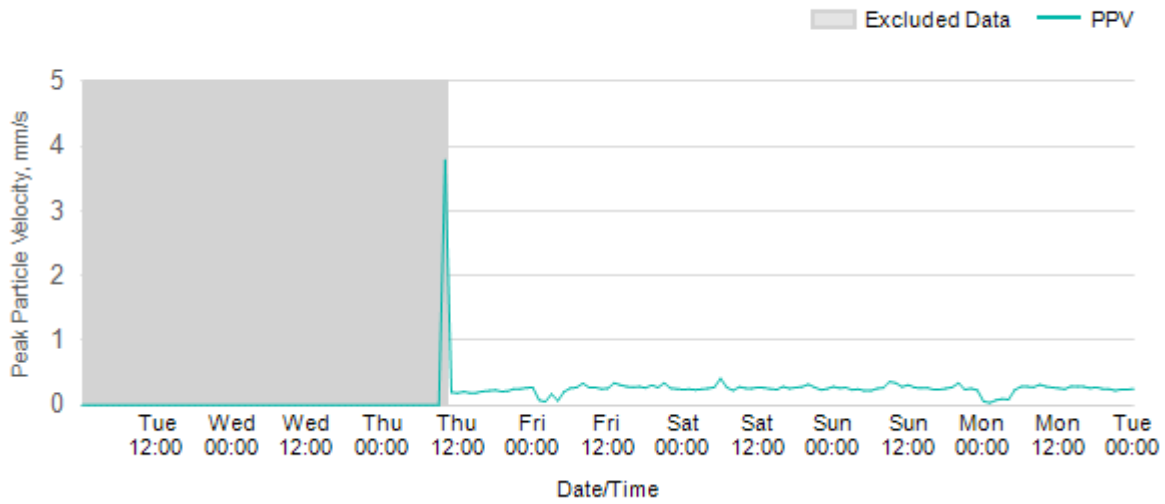


Worksite: UN - Monitoring Ref: V060

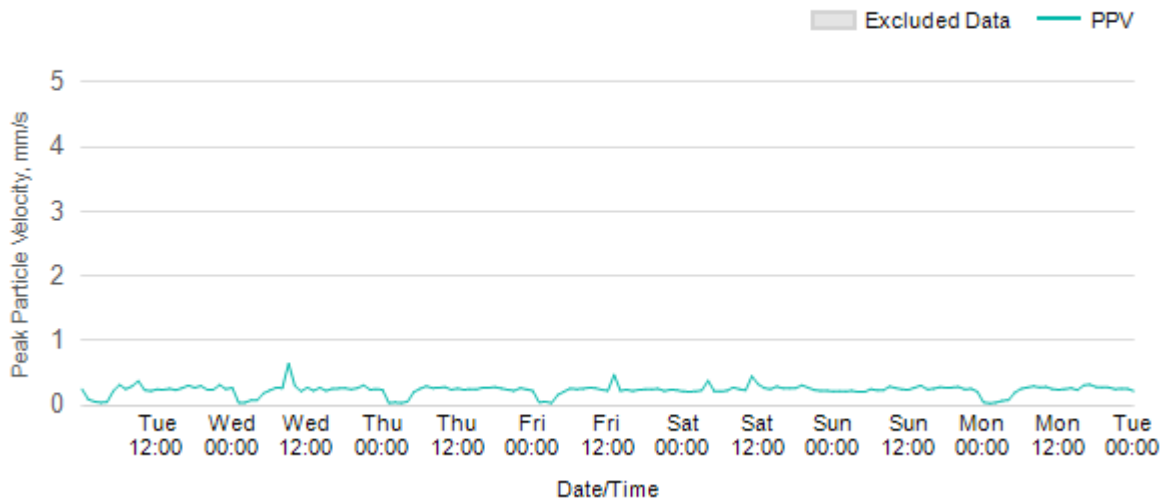
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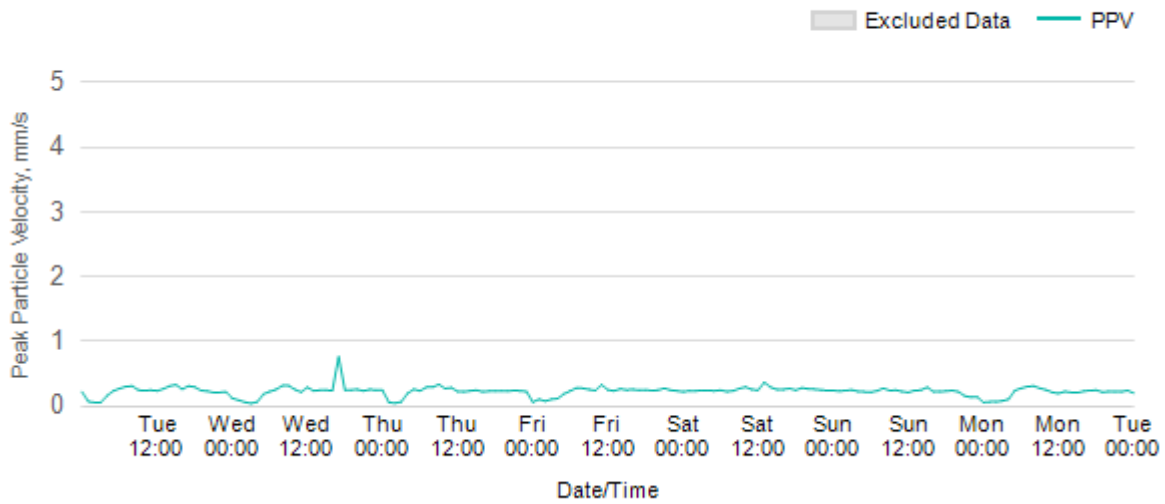
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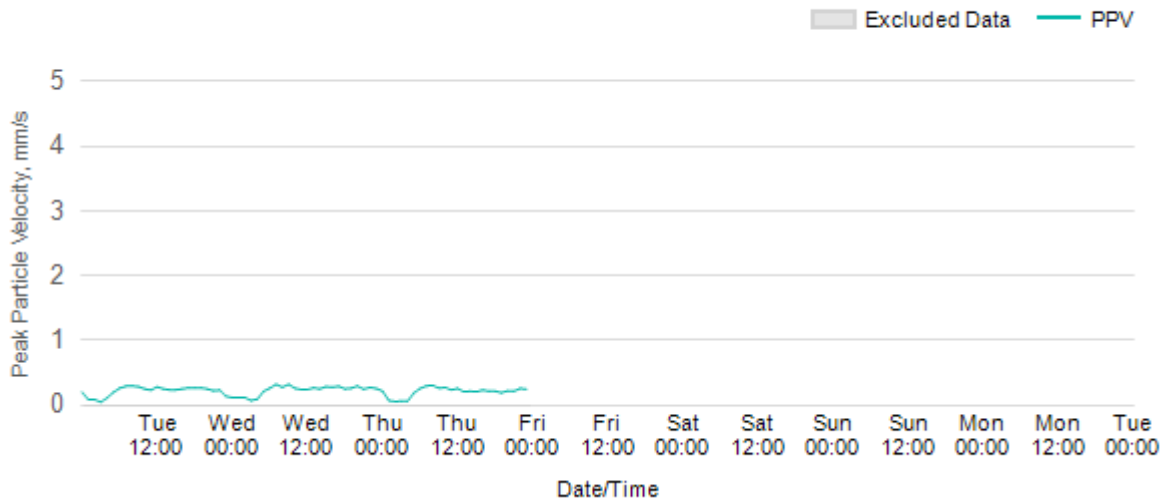
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Worksite: UN Monitoring Ref: V060 22 April 2026 to 28 April 2026

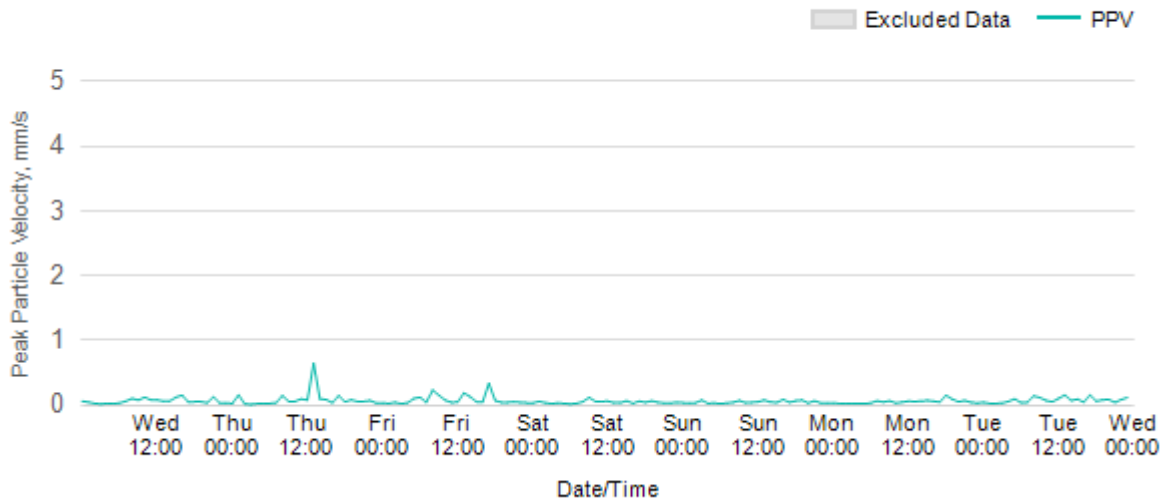


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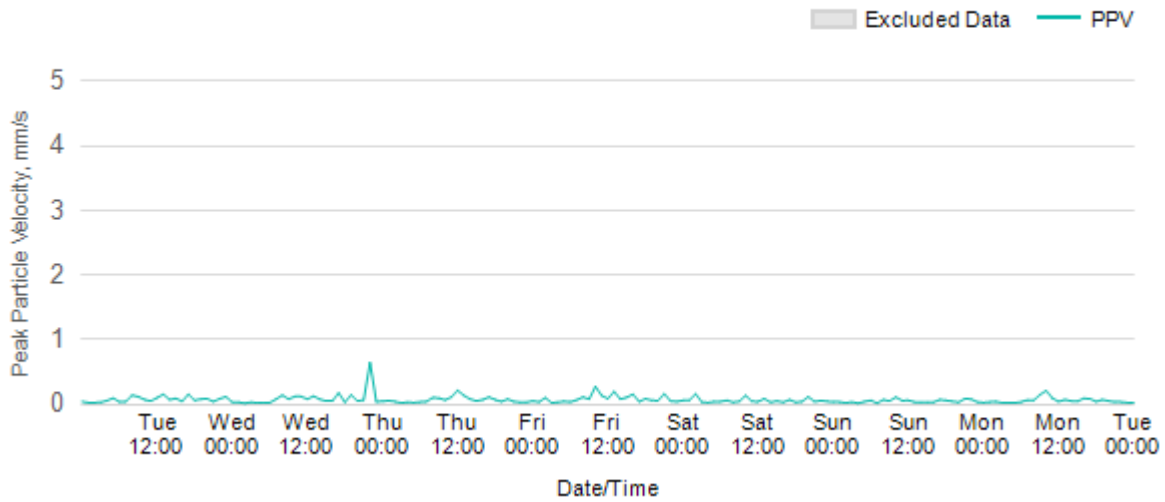


Worksite: Euston Approaches - Monitoring Ref: SH-V001

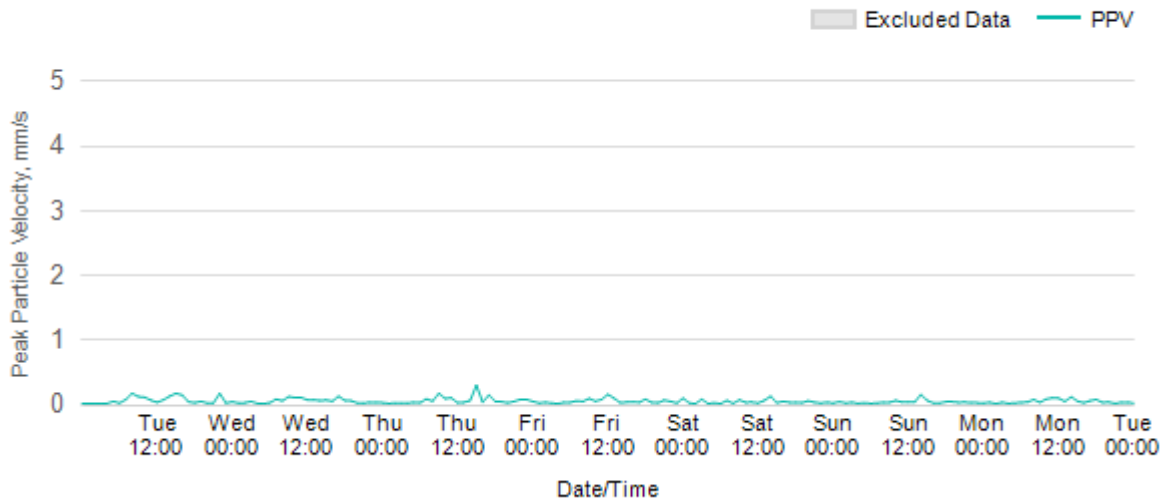
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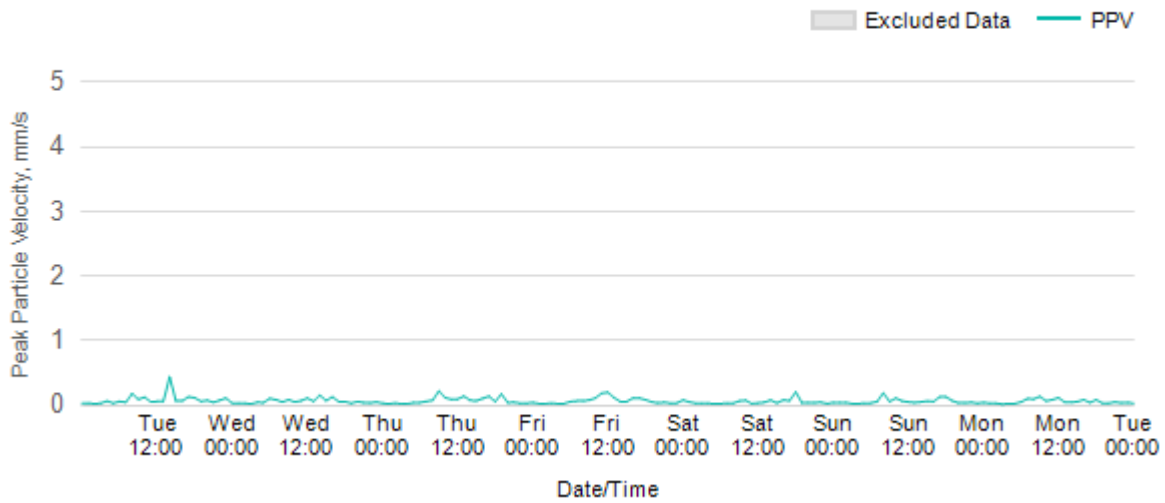
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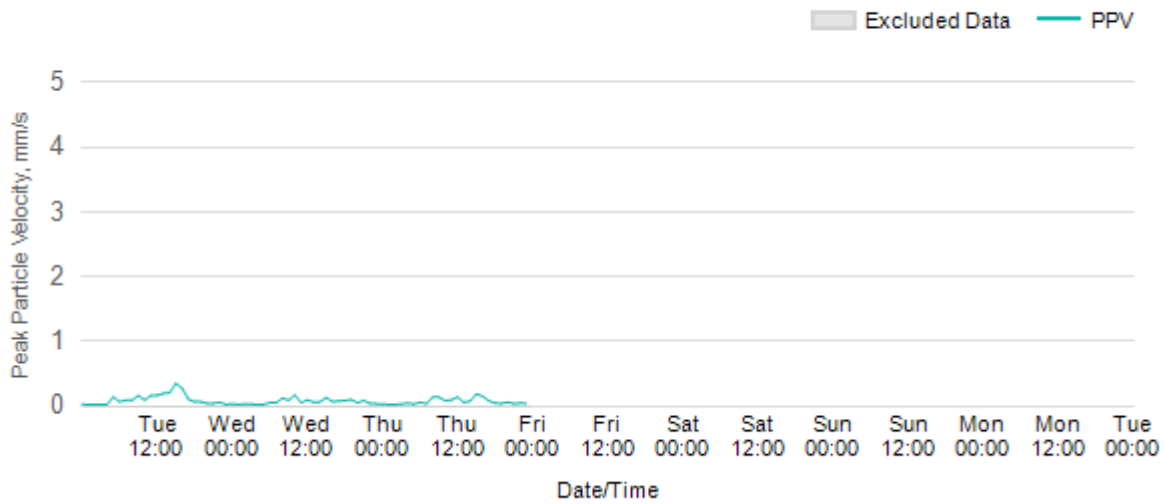
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Worksite: Euston Approaches Monitoring Ref: SH-V001 22 April 2026 to 28 April 2026

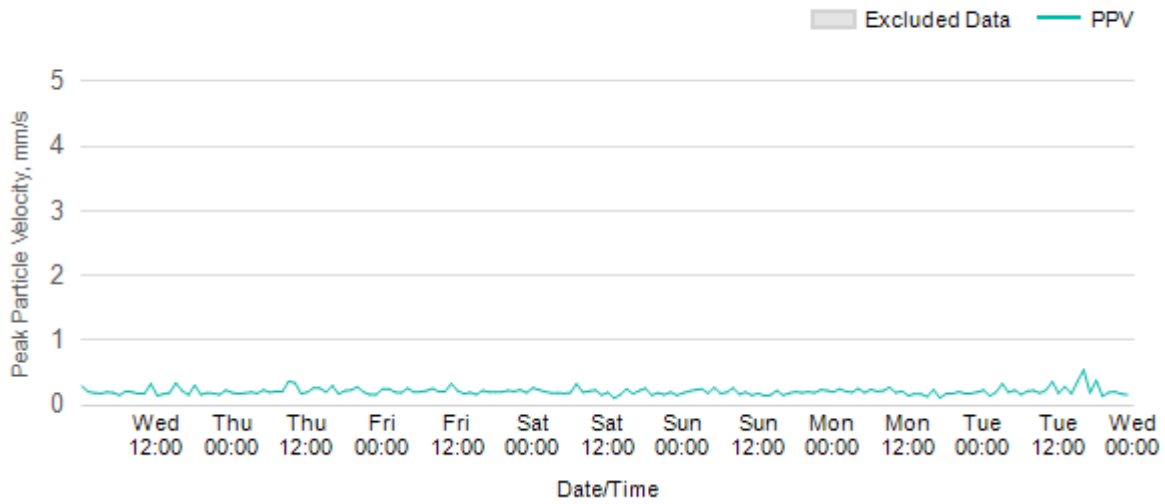


Worksite: Euston Approaches Monitoring Ref: SH-V001 29 April 2026 to 5 May 2026

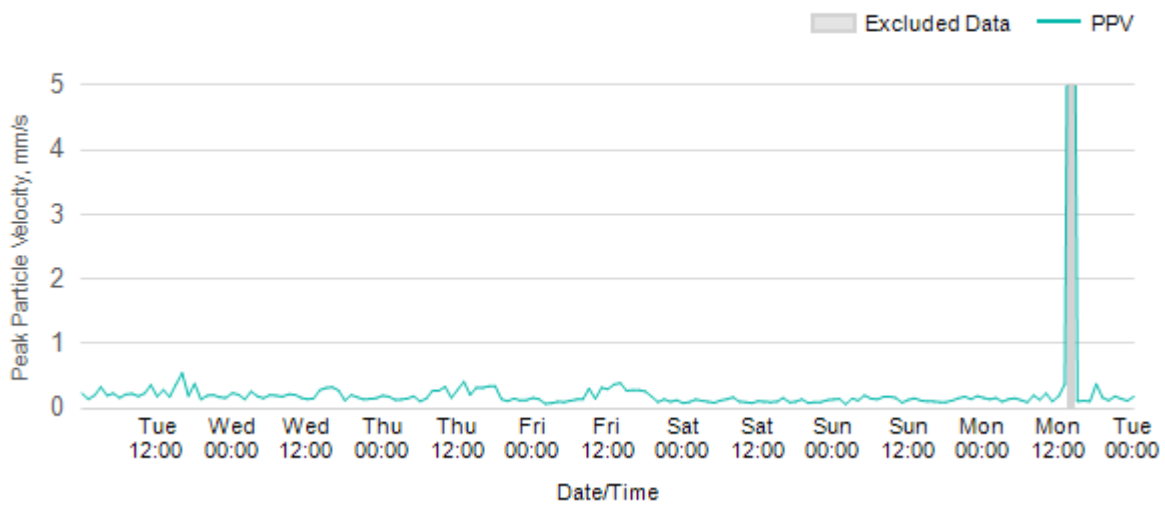


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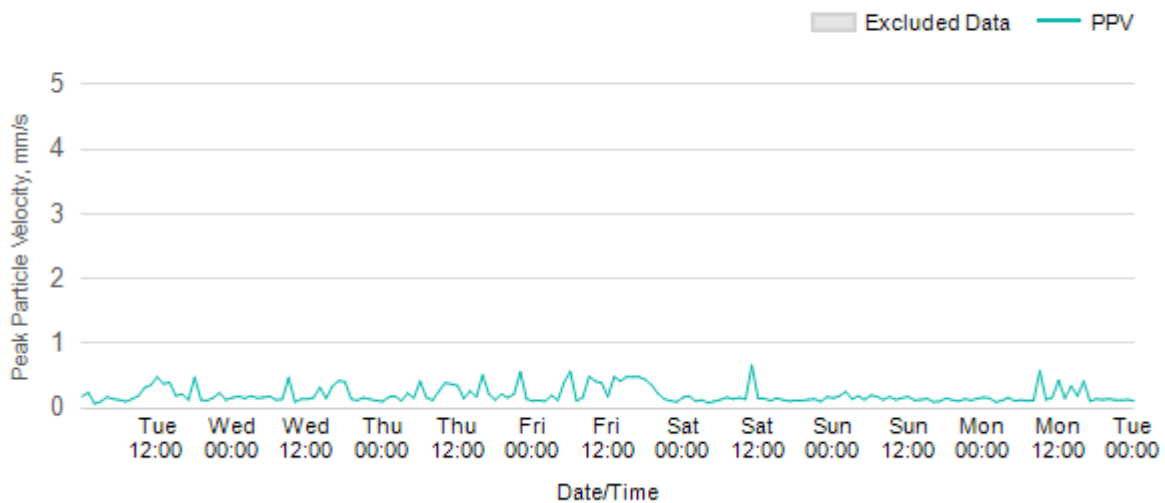
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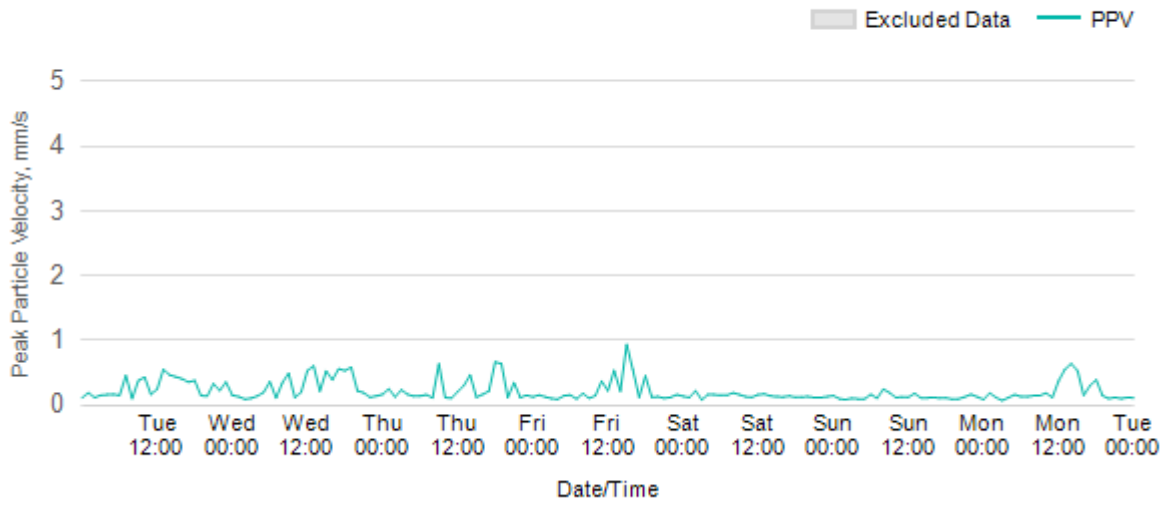
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Worksite: Euston Approaches Monitoring Ref: PVS-V001 22 April 2026 to 28 April 2026



Worksite: Euston Approaches Monitoring Ref: PVS-V001 29 April 2026 to 5 May 2026

