



WHITESTONE
solar farm

WHITESTONE SOLAR FARM

Volume 6: Environmental Statement

6.20 Appendix 14.2: Baseline Conditions

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ENVIRONMENTAL STATEMENT

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Appendices ([EN0110020/APP/6.20])

Appendix Number	Appendix Title
14.1	Legislation, Policy and Guidance
14.2	Baseline Conditions
14.3	Construction Noise and Vibration Assessment
14.4	Operational Noise Assessment

Glossary

Term	Meaning
<i>Ambient sound level, $L_a = L_{aeq}, T$</i>	The A-weighted equivalent continuous sound level of the totally encompassing sound for a given situation and time interval, T.
<i>A-weighting</i>	Frequency weighting applied to measured sound in order to account for the relative loudness perceived by the human ear.

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Term	Meaning
<i>Cable Corridors</i>	Corridors within which the high voltage cables would be constructed.
<i>Decibel (dB)</i>	The logarithmically scaled measurement unit of sound.
<i>Draft Environmental Statement</i>	The Draft Environmental Statement which presented the preliminary environmental information relating to the Proposed Development. The Draft ES was prepared to present information for statutory consultation in accordance with current EIA regulation.
<i>Environmental Statement (ES)</i>	The Environmental Statement which presents the environmental information relating to the Proposed Development. The ES has been prepared to present information for formal consultation in accordance with current EIA regulation.
$L_{A90,T}$	The A-weighted sound level exceeded for 90% of the measurement period. Often referred to as the background sound level.
$L_{Aeq,T}$	A-weighted equivalent continuous sound level over a given time period. It is the sound level of a steady sound that has the same energy as a fluctuating sound over the same time period.
<i>The Applicant</i>	Whitestone Net Zero Ltd.
<i>The Application</i>	The Application submitted to the Secretary of State for a Development Consent Order.
<i>The Proposed Development</i>	The proposed Whitestone Solar Farm.
<i>The Site</i>	The land planned to be used for solar PV array and associated infrastructure, BESS, substation, and landscaping and habitat enhancement. The Site is split into W1, W2, and W3.
<i>W1</i>	The northern parcels of the Whitestone Solar Farm.
<i>W2</i>	The middle parcels of the Whitestone Solar Farm.
<i>W3</i>	The southern parcels of the Whitestone Solar Farm.

Acronyms

Acronym	Meaning
<i>BESS</i>	Battery Energy Storage System
<i>ES</i>	Environmental Statement
<i>OS</i>	Ordnance Survey
<i>RMBC</i>	Rotherham Metropolitan Borough Council

Units

Units	Meaning
<i>dB</i>	Decibel
<i>m/s</i>	Metre per Second

14.2 Baseline Conditions

Assessment Locations

- 14.2.1 Representative noise assessment locations (AL001 to AL146) have been identified within the construction and operational noise and vibration Study Areas. Assessment locations have been chosen to represent noise sensitive receptors which have the potential to be impacted by the Proposed Development.
- 14.2.2 An initial set of noise assessment locations (AL001 to AL115) was consulted and agreed with Rotherham Metropolitan Borough Council (RMBC). City of Doncaster Council (CDC) were consulted on 30th April 2025 regarding these proposed assessment locations, however, there has been no response to date.
- 14.2.3 Additional noise assessment locations (AL116 to AL146) were introduced to the assessment following updates to the design of the Proposed Development since initial consultation. These also account for the updated quantitative assessment of the Cable Corridors.
- 14.2.4 These are presented in **Table 14.2-1** and in **ES Volume 3, Figures 14.1 – 14.3: Noise Monitoring Locations [EN0110020/APP/6.19]**.
- 14.2.5 Assessment locations have been chosen within the noise Study Areas to represent noise sensitive receptors which have the potential to be impacted by the Proposed Development. The assessment locations considered in **ES Volume 2, Chapter 14: Noise and Vibration [EN0110020/APP/6.14]** are specific to the Site (i.e., solar areas) and are also applicable to the Cable Corridors.

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Table 14.2-1: Noise Assessment Locations

Noise Assessment Location ID	Location
AL001	101 Mansfield Road Killamarsh S21 2BW
AL002	10 Woodall Way Killamarsh S21 2AB
AL003	1b Mansfield Road Killamarsh S21 2BW
AL004	3 Cinder Ln Killamarsh S21 2AT
AL005	41 Dowcarr Lane Harthill S26 7XN
AL006	Woodall Farm Dowcarr Lane Harthill S26 7XN
AL007	Wayside Woodall Lane Harthill S26 7YQ
AL008	58 Carver Close Harthill S26 7XA
AL009	8 Hillside Green Harthill S26 7AB
AL010	Pebley Grove Farm Barlborough S43 4TH
AL011	Rotherham Road Barlborough Chesterfield S43 4TH
AL012	50 Walseker Lane Harthill S26 7YJ
AL013	14 Whetstone Drive Harthill S26 7AG
AL014	Lynncroft House Hard Lane Kiveton Park S26 6RP
AL015	Hard Lane Kiveton Park Sheffield S26 6RP
AL016	Fairfield Jackys Lane Harthill S26 7XU
AL017	47 Mackinnon Avenue Kiveton Park S26 6QB
AL018	42 Blackthorne Boulevard Kiveton Park S26 5AN
AL019	Springfield Farm Church Street Wales S26 5LQ
AL020	Norwood Lock Rotherham Road Killamarsh S21 2DS
AL021	1 Mill Lane South Anston S25 5BG
AL022	19 Mill Lane South Anston S25 5BG
AL023	The Old Mill Main Street North Anston S25 4BA

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Noise Assessment Location ID	Location
AL024	3 Penny Piece Place North Anston S25 4JZ
AL025	33 Cramfit Road North Anston S25 4AJ
AL026	7 Fairacre Way North Anston S25 4AD
AL027	Brickyard Cottage Common Road North Anston Sheffield S25 4AH
AL028	Burne Farm Sheffield Road Todwick S26 1DJ
AL029	Sheffield Road Todwick Sheffield S26 1DJ
AL030	23 Osborne Drive Todwick S26 1HW
AL031	8 Freesia Close South Anston S25 5JB
AL032	Green Dale Todwick Road Todwick S26 1HD
AL033	Brookfields Todwick Road Todwick S26 1HD
AL034	Grange Farm, Todwick, Sheffield S26 1AB
AL035	Brookside Common Road North Anston S25 4AH
AL036	Common Farm Bookers Lane Dinnington S25 1ZX
AL037	Hardwick Hall Farm Hardwick Lane Aston S26 2BE
AL038	Greenlands Long Road Thurgroft S66 9BJ
AL039	Double Acre Long Road Thurgroft Rotherham S66 9BJ
AL040	Hardwick Grange Farm Hardwick Lane Aston S26 2BE
AL041	Vessey Close Farm Hardwick Lane Aston S26 2BE
AL042	Meadow View Hawkhill Lane Thurgroft S66 9BL
AL043	Side Farm Laughton Common Road Thurgroft S66 9BN
AL044	Double H Laughton Common Road Thurgroft S66 9BN
AL045	1 Green Arbour Court Thurgroft S66 9ET
AL046	3 Guilbert Avenue Thurgroft S66 9QE
AL047	Chantilly Place Toad Lane Brampton-En-Le-Morthen S66 9BG

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Noise Assessment Location ID	Location
AL048	Redcott Brampton Road Brampton-En-Le-Morthen S66 9BE
AL049	Brampton Villa Pennyhill Lane Thurcroft S66 9BQ
AL050	Penny Hill Farm Pennyhill Lane Thurcroft S66 9BQ
AL051	Unit 9a Penny Hill Lane Thurcroft Rotherham S66 9BQ
AL052	Ulley Beeches Farm Ulley Beeches Thurcroft S66 9BH
AL053	25 Main Street Ulley S26 3YD
AL054	2 Killamarsh Lane Harthill S26 7UN
AL055	59 Stockwell Avenue Kiveton Park S26 5QR
AL056	66 Church Street Wales S26 5LQ
AL057	7 Turnshaw Road Ulley Sheffield S26 3YG
AL058	22 Turnshaw Road Ulley S26 3YG
AL059	20 Poynton Avenue Ulley S26 3YE
AL060	The Holt Ulley Lane Ulley S26 3YH
AL061	171 Aston Lane Aughton S26 3XA
AL062	Elvington Aughton Lane Aston S26 2AJ
AL063	South View Ulley Lane Aston S26 2DR
AL064	Aston Common Aston Sheffield S26 2AD
AL065	The Old Farmstead Whiston S60 4NG
AL066	The Heights Upper Whiston Lane Whiston S60 4NF
AL067	Guilthwaite Grange Guilthwaite Hill Whiston S60 4NE
AL068	Guilthwaite Hall Guilthwaite Hill Whiston S60 4NE
AL069	Two Acres Pleasley Road Aughton S26 3XL
AL070	The Hayloft Green Lane Ulley Sheffield S26 37B
AL071	93 Ivanhoe Road Thurcroft S66 9QB

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Noise Assessment Location ID	Location
AL072	6 Brampton Meadows Thurcroft S66 9ND
AL073	3 Manor Farm York Lane Morthen S66 9JH
AL074	Grange Farm York Lane Morthen S66 9JH
AL075	Royds Moor Farm Lodge Royds Moor Whiston S60 4NL
AL076	4 Braithwell View Ruddle Lane Micklebring S66 7RT
AL077	84 Greaves Sike Lane Micklebring S66 7RR
AL078	Birk Lodge Farm Ravenfield S65 4LX
AL079	Providence Cottage Well Lane Maltby S66 7RF
AL080	White Pheasant Farm Common Lane Conisbrough DN12 2BF
AL081	The Bungalow Kearsley Lane Conisbrough DN12 2AT
AL082	The Threshing Barn Firsby Lane Conisbrough DN12 2BB
AL083	Atlanta House Doncaster Road Hooton Roberts S65 4PF
AL084	3 Firsby Lane Conisbrough Doncaster DN12 2BA
AL085	2 Parks Farm Cottages Park Lane Conisbrough DN12 2AW
AL086	129 Sheffield Road Conisbrough DN12 2AR
AL087	8 Larch Grove Conisbrough DN12 2JX
AL088	Spring Bank Bungalow Spring Bank Road Conisbrough DN12 2AX
AL089	5 Hall Mews Ravenfield S65 4PW
AL090	1 St. James View Ravenfield S65 4NL
AL091	Wood Lane Treeton S60 5QS
AL092	Treeton Rotherham S60 5RG
AL093	1-2 The Cottages Spa Houses Treeton S60 5RG
AL094	74-76 Bole Hill Treeton S60 5RE
AL095	33 Spa Well Crescent Treeton S60 5RD

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Noise Assessment Location ID	Location
AL096	21 Shorland Drive Treeton S60 5UP
AL097	Flatts Farm Flatts Lane Treeton S60 5QZ
AL098	The Lodge Park Estate Park Lane Conisbrough DN12 2AP
AL099	4 Penny Hill Lane Ulley S26 3YA
AL100	Slacks Lane Bramley Rotherham S66 1TZ
AL101	Dovecote Farm Moat Lane Wickersley S66 1DZ
AL102	82 Cutlers Walk Wickersley S66 1BT
AL103	8 Blake Close Bramley S66 1UN
AL104	Cumwell Lane Hellaby Rotherham S66 8PU
AL105	9 Tree Hollow Place Wickersley S66 1DD
AL106	Copperbeech Farm Green Lane Thurcroft S66 9JD
AL107	56 Wood Lane Wickersley S66 1JX
AL108	27 Treeton Lane Aughton S26 3XP
AL109	6 Chandler Grove Treeton S60 5TY
AL110	52 Rectory Gardens Todwick S26 1JU
AL111	12 Windle Court Treeton S60 5UX
AL112	Long Leys Lane Rotherham S66 7BS
AL113	21 Haworth Crescent S60 3BW
AL114	10 Graham Avenue Brinsworth S60 5LA
AL115	25 Whiston Vale Whiston S60 4JJ
AL116	Conisbrough Grange Farm, Park Lane, Conisbrough, Rotherham, S65 4LX
AL117	1 Common Lane, Ravenfield, Rotherham, S65 4LT
AL118	Hellaby Park Farm, Lidget Lane, Bramley, Rotherham, S65 4LY
AL119	Gorsefield Farm, Lidget Lane, Bramley, Rotherham, S65 4LY

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Noise Assessment Location ID	Location
AL120	Spenwood Farm, Lidget Lane, Bramley, Rotherham, South Yorkshire, S65 4LY
AL121	21 Bramley Grange Way, Bramley, Rotherham, S66 2UW
AL122	219 Bawtry Road, Bramley, Rotherham, S66 2TP
AL123	45 Westerton Drive, Bramley, Rotherham, S66 1WU
AL124	10 Nascot Close, Bramley, Rotherham, S66 1UE
AL125	Dovecote Farm, Moat Lane, Wickersley, Rotherham, S66 1DZ
AL126	Green Acres, Moat Lane, Wickersley, Rotherham, S66 1DZ
AL127	20a Moat Lane, Wickersley, Rotherham, S66 1DZ
AL128	Two Acres, Green Lane, Wickersley, Rotherham, S66 1DZ
AL129	Parkcliffe Farm, Morthen Road, Wickersley, Rotherham, S66 1EA
AL130	Orchard House, Morthen Lane, Morthen, Rotherham, S66 9JQ
AL131	The Cloisters, Rectory Drive, Whiston, Rotherham, S60 4JG
AL132	32 The Green, Whiston, Rotherham, S60 4JA
AL133	Garnes, Pleasley Road, Whiston, Rotherham, S60 4NE
AL134	1 Whiston Vale, Whiston, Rotherham, S60 4JJ
AL135	4 Kiveton Lane, Todwick, Sheffield, S26 1HL
AL136	44 Crowgate, South Anston, Sheffield, S25 5AL
AL137	61 Lockwood Avenue, South Anston, Sheffield, S25 5GQ
AL138	Stonefield Farm, Lady Field Road, Thorpe Salvin, Worksop, S80 3JS
AL139	16 Peck Mill View, Kiveton Park Station, Sheffield, Sheffield, S26 6UY
AL140	Manor Farm, Thorpe Road, Harthill, Sheffield, S26
AL141	Oaklands Farm Manor Road, Harthill, Sheffield, South Yorkshire, S26 7YT
AL142	4 Walseker Lane, Woodall, Harthill, Sheffield, S26 7YJ
AL143	North Lodge, Rotherham Road, Barlborough, Chesterfield, S43 4TH

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Noise Assessment Location ID	Location
AL144	32 Westerton Drive, Bramley, Rotherham, S66 1WY
AL145	1-4 Holmes Field Close, South Anston, Sheffield, S26 6NN
AL146	The Stables, Peck Mill Farm, Ladyfield Road, Kiveton Park Station, Sheffield, Sheffield, S26 6NR

Baseline Noise Monitoring

- 14.2.6 Baseline noise monitoring locations were identified as part of a desk-based study to represent each assessment location and support the assessments of construction and operational noise.
- 14.2.7 Baseline noise monitoring locations were consulted and agreed with RMBC. CDC were consulted on 30th April 2025 regarding the proposed monitoring locations, however, there has been no response to date.
- 14.2.8 Initial baseline noise monitoring was carried out in July and August 2025, and additional baseline noise monitoring was carried out in January and February 2026.
- 14.2.9 **Table 14.2-2** presents noise monitoring locations, including a description of the likely existing sources of noise in the surrounding environment as interpreted from a desktop review using Ordnance Survey (OS) data and open-source mapping.

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Table 14.2-2: Noise Monitoring Locations

Baseline Noise Monitoring Location (NML) ID	NML Location	Represented Assessment Locations (ALs)	Rationale for Representation
NML01	Woodall Way Killamarsh S21 2AB	AL001, AL002, AL003, AL004	Similar distances east of M1 between Junction 30 and 31, and adjacent to Mansfield Road
NML02	Hard Lane, Harthill, S26 7AG	AL007, AL008, AL009, AL010, AL013, AL016, AL017, AL018, AL020, AL055	Similar distances west of M1 between Junction 30 and 31
NML03	Walseker Lane, Woodall, S26 7YJ	AL005, AL006, AL011, AL012, AL019, AL054, AL056, AL142, AL143	Similar distances west of M1 between Junction 30 and 31
NML04	Mill Lane South, Anston, S25 5BG	AL021, AL022, AL029, AL135	Similar distances from Sheffield Road
NML05	New Road, Penny Piece Lane, North Anston, S25 5BG	AL024, AL025, AL026, AL027	Represents receptors off Common Road, Camfit Road and Penny Piece Lane
NML06	Brookfields, Todwick Road, Todwick S26 1HD	See Paragraph 14.2.11 and 14.2.12	N/A
NML07	Grange Gardens, Todwick, Sheffield S26 1JQ	AL023, AL028, AL030, AL031, AL034	Similar distances from Worksop Road
NML08	Common Farm, Bookers Lane, Dinnington, S25 1ZX	See Paragraph 14.2.11 and 14.2.12	N/A
NML09	In the field adjacent to Hardwick Hall Farm, Hardwick Lane, Hardwick, S26 2BE	AL037, AL039, AL040, AL046, AL047, AL071, AL072	Similar distance east of M1 between Junction 31 and 32
NML10	Meadow View, Hawkhill Lane, Thurcroft, S66 9BL	AL042, AL043, AL044, AL045	Similar distances from B6060

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Baseline Noise Monitoring Location (NML) ID	NML Location	Represented Assessment Locations (ALs)	Rationale for Representation
NML11	Common Lane, Thurcroft, S66 9BE	AL041, AL048, AL049, AL050, AL051, AL052, AL064	Represents receptors along the junction between the M1 and M18, as well as within Brampton en-le-Morthen
NML12	Carr Lane, Ulley, S26 3YA	AL053, AL057, AL058, AL059, AL060, AL063, AL070, AL099	Represents receptors in Ulley, west of M18
NML13	Aughton Lane, Aston, S26 2AJ	AL061, AL062	Similar distances from Aughton Lane
NML14	In the field adjacent to Morthen Lane, Upper Whiston, S60 4NG	AL065, AL066, AL067, AL133	Represents receptors south of M1 between Junction 32 and 33
NML15a	In the field adjacent to Pleasley Road, Whiston, S60 4NE	See Paragraph 14.2.15	N/A
NML15b	In the field adjacent to Pleasley Road, Whiston, S60 4NE	AL068, AL069	Similar distances from Pleasley Road
NML16	In the field near Beacon Lane, Micklebring, S66 7RX	See Paragraph 14.2.13 and 14.2.14	N/A
NML17	In the field near Park Lane, Conisbrough Parks, DN12 2BB	AL076, AL077, AL078, AL079, AL080, AL081, AL082, AL083, AL084, AL085, AL086, AL087, AL088, AL089, AL090, AL098, AL112	Receptors between M18 and A630 Sheffield Road with a low ambient noise level
NML18	3 Cherry Grove, Conisbrough, Doncaster DN12 2JY	See Paragraph 14.2.14	N/A
NML19	Treeton Lane, Aughton, S26 3XP	AL091, AL108	Similar distances from Treeton Lane

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Baseline Noise Monitoring Location (NML) ID	NML Location	Represented Assessment Locations (ALs)	Rationale for Representation
NML20	In the field near Shorland Drive, Treeton, S60 5UN	AL092, AL093, AL094, AL095, AL096, AL097, AL109, AL111	Represents receptors south of M1 Junction 33 and within Treeton
NML21	Slacks Lane, Bramley Rotherham, S66 1TZ	AL100, AL104, AL106, AL116, AL118, AL122, AL123, AL124, AL144	Similar distance from M18 Between Junction 1 and 2
NML22	Dapple Grove, Wickersley, S66 1DE	AL101, AL102, AL103, AL105, AL107, AL117, AL119, AL120, AL121, AL125, AL126, AL127, AL128	Represents receptors between Morthen Road (B6060) and M18 Junction 1
NML23	Rectory Gardens, Todwick, S26 1JU	AL110	Represents receptors within Todwick
NML24	In the field adjacent to Long Lane, Whiston, S60 4JJ	AL075, AL113, AL114, AL115, AL131, AL132, AL134	Similar distances north of M1 between Junction 32 and 33
NML25	Wild Fell, York Lane, Morthen, S66 9JH	AL073, AL074	Represents receptors north of M1 Junction 32 with M18.
NML1-CF ¹	Common Farm, Bookers Lane, Dinnington, S25 1ZX	AL036	Measured at location.
NML2-CF	Sunny Bank, Todwick Road, S26 1DP	AL032, AL033	Similar distances from Todwick Road.
NML3-CF	Brookside House, Common Road, S25 4AH	AL035	Measured adjacent to location.
NML4-CF	Greenland, Long Road, S66 9BJ	AL038	Measured adjacent to location.
NML1-TI	Parkcliffe Farm, Morthen Road, Wickersley, Rotherham, S66 1EA	AL129	Measured adjacent to location.

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Baseline Noise Monitoring Location (NML) ID	NML Location	Represented Assessment Locations (ALs)	Rationale for Representation
NML2-TI	Orchard House, Morthen Lane, Morthen, Rotherham, S66 9JQ	AL130	Measured adjacent to location.
NML1-KP	Hard Lane, Kiveton Park, Sheffield, S26 6RP	AL014, AL015	Measured adjacent to location.

¹ Note that noise was measured at NML1-CF, NML2-CF, NML3-CF, and NML4-CF as part of Common Farm Solar Farm Noise Impact Assessment, at NML1-TI and NML2-TI as part of the Thurcroft Interchange Energy Park Noise Impact Assessment, and at NML1-KP as part of Kiveton Park BESS Noise Impact Assessment.

- 14.2.11 Baseline noise monitoring locations NML06 and NML08 were scoped out of the assessment on the basis that construction activity and construction traffic, from another project, were expected to be on-going at this location in August 2025, and therefore measurements at these locations at this time would not have been representative of normal baseline conditions.
- 14.2.12 Baseline monitoring took place at NML1-CF, NML2-CF, NML3-CF, and NML4-CF in 2021 as part of the Common Farm Solar Farm Noise Impact Assessment¹ (NIA). These locations are representative of the assessment locations that has previously been identified to be represented by NML06 and NML08: AL032, AL033, AL035, AL036, and AL038. This approach has been agreed with RMBC as the relevant authority for these locations.
- 14.2.13 Attempts were made to monitor noise at NML16 and NML18 in August 2025. However, the noise monitoring equipment was stolen and vandalised at these locations and therefore the data was not recoverable.
- 14.2.14 Additional attempts were made to monitor noise at NML16 and NML18 in January 2026. Safe access to a suitable monitoring location for NML16 was not possible despite efforts to establish access at private properties. Noise measurements were successfully completed at NML18, however, these were significantly affected by local construction noise. While it may have been possible to filter this data to be used in the assessment, the approach to not represent any assessment locations using this data is considered more conservative. As a result, all assessment locations in Whitestone 1 are represented by NML17.
- 14.2.15 Measurement location NML15 presented in the Draft Environmental Statement (ES) was repeated at a location closer to Pleasley Road during the January 2026 survey. This is because it is more representative of the noise environment at the represented assessment locations AL068 and AL069, which are both adjacent to this road. Both sets of data have been included in this Appendix. The locations have been renamed NML15a for the initial measurement and NML15b for the additional measurement as they not considered to be equivalent.
- 14.2.16 Baseline representation of AL014 and AL015 has changed since the Draft ES following the availability of noise monitoring data at a more representative location. Monitoring was carried out at AL015 (NML1-KP) in 2024 as part of the assessment of Kiveton Park BESS Noise Impact Assessment²
- 14.2.17 An additional representation exercise was carried out following the inclusion of additional assessment locations AL116 to AL146. In general, these are represented by noise monitoring location specific to this assessment (NML03, NML04, NML14, NML21, NML22, and NML24)
- 14.2.18 Baseline noise monitoring was carried out for the Thurcroft Interchange Energy Park³ NIA in 2025. Monitoring was carried out at AL129 (NML1-TI) and AL130 (NML2-TI), and therefore this data has been used in this assessment.
- 14.2.19 Assessment locations AL136 to AL141 and AL145 to AL146 are not represented by baseline monitoring locations. These locations are outside of the operational noise Study Area and therefore for these locations a representative $L_{A90,T}$ is not required. These locations are within the construction noise Study Area and it has been conservatively assumed that these assessment locations would be Category A for all construction noise assessment periods.

14.2.20 Assessment locations and baseline monitoring locations are presented in **ES Volume 3, Figures 14.1 – 14.3: Noise Monitoring Locations [EN0110020/APP/6.19]**.

Characterising Baseline for Assessment

Construction

14.2.21 The construction noise assessment categories for the daytime, evening, and the night-time have been derived for each assessment location in accordance with BS 5228-1 using the ABC method. The categories are presented in **Table 14.2-3**. The ambient baseline façade level for the given period (daytime, evenings and weekends, and night-time) is rounded to the nearest 5dB and compared against the thresholds set out in **Table 14.2-3** to produce construction noise criteria. The process for selecting the criteria is summarised below:

- Category A thresholds are used when baseline ambient noise levels (rounded to the nearest 5dB) are less than the Category A values;
- Category B thresholds are used when baseline ambient noise levels (rounded to the nearest 5dB) are the same as the same Category A values;
- Category C thresholds are used when baseline ambient noise levels (rounded to the nearest 5dB) are higher than Category A values; and
- Where the baseline ambient noise levels exceed the Category C values, then a potential Significant effect is indicated if the total $L_{Aeq,T}$ noise level for the period increases by more than 3dB due to construction noise.

Table 14.2-3: Construction Noise Assessment Categories

Period		Assessment Category ($L_{Aeq,T}$) [dB]		
		A	B	C
Daytime	T=12hr, Weekdays, 07:00-19:00; T=6hr, Saturday, 07:00-13:00	65dB	70dB	75dB
Evenings and weekends	T=4hr, Weekdays 19:00–23:00; T=10hr, Saturdays 13:00-23:00; T=16hr, Sundays 07:00-23:00	55dB	60dB	65dB
Night-time	T=8hr, Every day 23:00-07:00	45dB	50dB	55dB

Operation and Maintenance

14.2.22 The operational noise assessment is carried out in accordance with BS 4142:2014+A1:2019 – Methods for rating and assessing industrial and commercial sound (BS 4142)⁴. BS 4142 states the following in relation to the background sound level:

14.2.23 *“The background sound level [$(L_{A90,T})$] is an underlying level of sound over a period, T, and might in part be an indication of relative quietness at a given location. It does not reflect the occurrence of transient and/or higher sound level events and is generally governed by continuous or semi-continuous sounds.*

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- 14.2.24 *In using the background sound level in the method for rating and assessing industrial and commercial sound it is important to ensure that values are reliable and suitably represent both the particular circumstances and periods of interest.*
- 14.2.25 *For this purpose, the objective is not simply to ascertain a lowest measured background sound level, but rather to quantify what is typical during particular time periods.*
- 14.2.26 *Among other considerations, diurnal patterns can have a major influence on background sound levels and, for example, the middle of the night can be distinctly different (and potentially of lesser importance) compared to the start or end of the night-time period for sleep purposes. Furthermore, in this general context it can also be necessary to separately assess weekends and weekday periods.”*
- 14.2.27 Professional judgement has been employed to determine the representative daytime and night-time $L_{A90,T}$ for each NML.

Baseline Noise Monitoring

Initial Baseline Noise Monitoring

- 14.2.28 An initial baseline noise monitoring program was carried out between 31st July and 28th August 2025.
- 14.2.29 Weather stations were deployed at NML10 and NML22, measuring wind speed and rainfall. Noise measurements captured during periods of high wind speed or rainfall have been excluded from the data analysis.
- 14.2.30 This section of the Appendix presents the findings at each monitoring location including on-site descriptions of the monitoring locations, equipment used, weather conditions, and recorded noise levels $L_{Aeq,T}$, L_{Amax} and $L_{A90,T}$.
- 14.2.31 **Table 14.2-4** presents the equipment that was used during baseline noise monitoring.

Table 14.2-4: Equipment Used

Equipment Type	Manufacturer	Model	Serial Number	Measurement Location
Sound level meter	Rion	NL-52	00620871	NML1, NML12
Sound level meter	Rion	NL-52	00320635	NML2, NML9
Sound level meter	Rion	NL-52	01276547	NML3, NML4
Sound level meter	Rion	NL-52	00921176	NML5, NML18
Sound level meter	Rion	NL-52	00732101	NML7, NML22
Sound level meter	Rion	NL-53	00452037	NML10
Sound level meter	Rion	NL-52	00510130	NML11
Sound level meter	Rion	NL-52	00610193	NML13, NML14
Sound level meter	Rion	NL-52	00510131	NML15
Sound level meter	Rion	NL-52	01087405	NML17, NML24
Sound level meter	Rion	NL-53	00452036	NML19
Sound level meter	Rion	NL-52	00610194	NML20, NML23
Calibrator	Rion	NC-74	35105087	All locations
Weather station	Davies & Hoboware	Weathershop EnviroTrack	22175767	NML10, NML22

Additional Baseline Noise Monitoring

- 14.2.32 Additional baseline noise monitoring was conducted between 21st January and 4th February 2026.
- 14.2.33 A weather station was deployed at NML25, measuring wind speed and rainfall. Noise measurements captured during periods of high wind speed or rainfall have been excluded from the data analysis.
- 14.2.34 This section of the Appendix presents the findings at each monitoring location including on-site descriptions of the monitoring locations, equipment used, weather conditions, and recorded noise levels $L_{Aeq,T}$, L_{Amax} and $L_{A90,T}$.

14.2.35 **Table 14.2-4** presents the equipment that was used during baseline noise monitoring.

Table 14.2-5: Equipment Used

Equipment Type	Manufacturer	Model	Serial Number	Measurement Location
Sound level meter	Rion	NL-52	00620871	NML12
Sound level meter	Rion	NL-53	00351918	NML14
Sound level meter	Rion	NL-53	00741228	NML15b
Sound level meter	Rion	NL-53	01130789	NML18
Sound level meter	Rion	NL-52	01087405	NML24
Sound level meter	Rion	NL-53	00330162	NML25
Calibrator	Rion	NC-74	35105087	All locations
Weather station	Davies & Hoboware	Weathershop EnviroTrack	22175767	NML25

Weather Conditions

14.2.36 The observed weather conditions for both surveys were generally acceptable for acoustic measurement with short periods of rainfall. Noise measurements affected by windspeeds above 5m/s and rainfall have been excluded from the data analysis.

NML01 – Woodall Way, Killamarsh, S21 2AB

- 14.2.38 Noise monitoring was conducted between 15th August and 22nd August 2025
- 14.2.39 **Plate 14.2-1** presents the monitoring equipment setup at NML01.
- 14.2.40 **Plate 14.2-2** presents the 15-minute sound measurements logged over the survey period.
- 14.2.41 **Table 14.2-6** presents the daytime, evening, and night-time measured $L_{Aeq,T}$.
- 14.2.42 **Table 14.2-7** presents the total daytime, evenings and weekends, and night-time measured $L_{Aeq,T}$ and corresponding ABC categories in accordance with BS 5228-1.
- 14.2.43 **Plate 14.2-3** presents the distribution of background $L_{A90,15min}$ sound levels over the day and night-time throughout the survey period. The adopted daytime and night-time $L_{A90,T}$ are 45dB and 41dB respectively for assessment locations represented by NML01.

Plate 14.2-1 Equipment Photos NML01



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Plate 14.2-2: Noise Monitoring Results at NML01

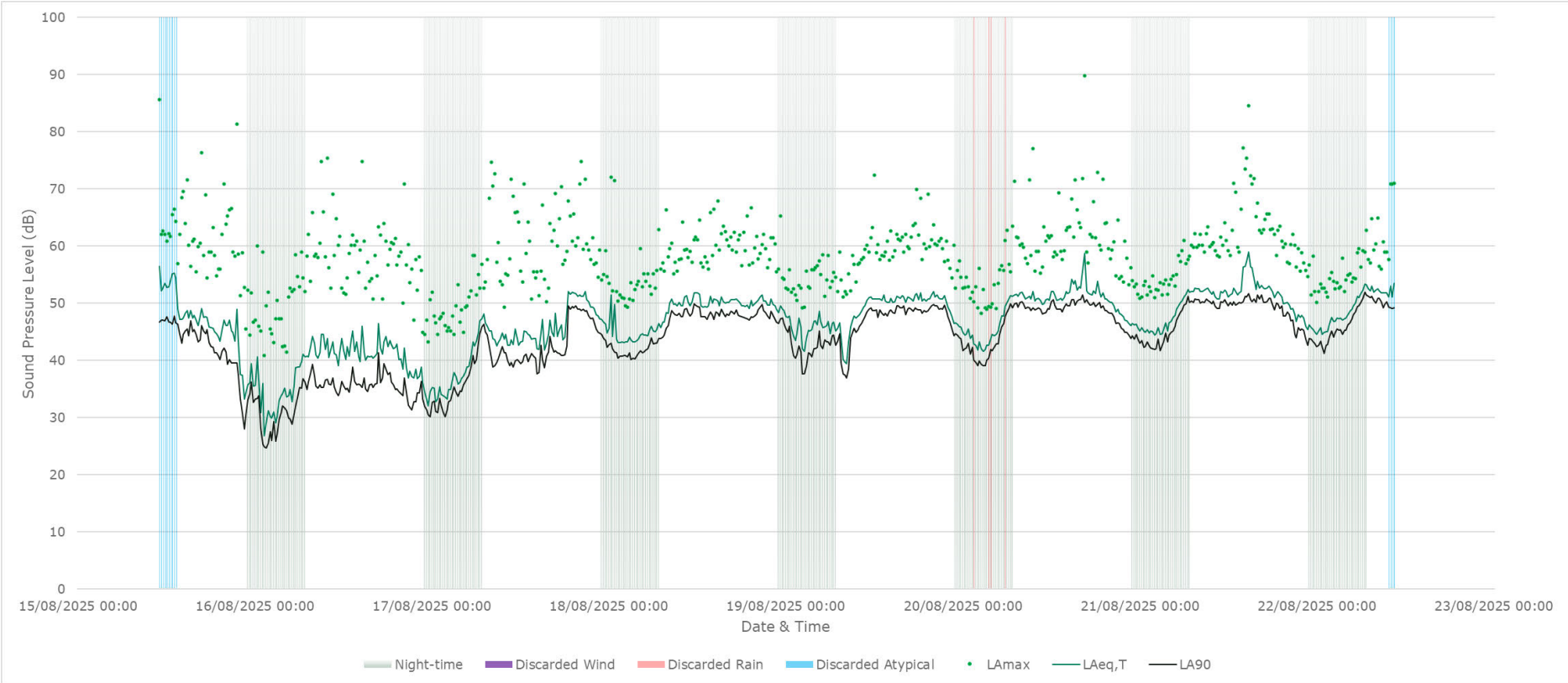


Table 14.2-6: Measured Ambient Sound Levels at NML01

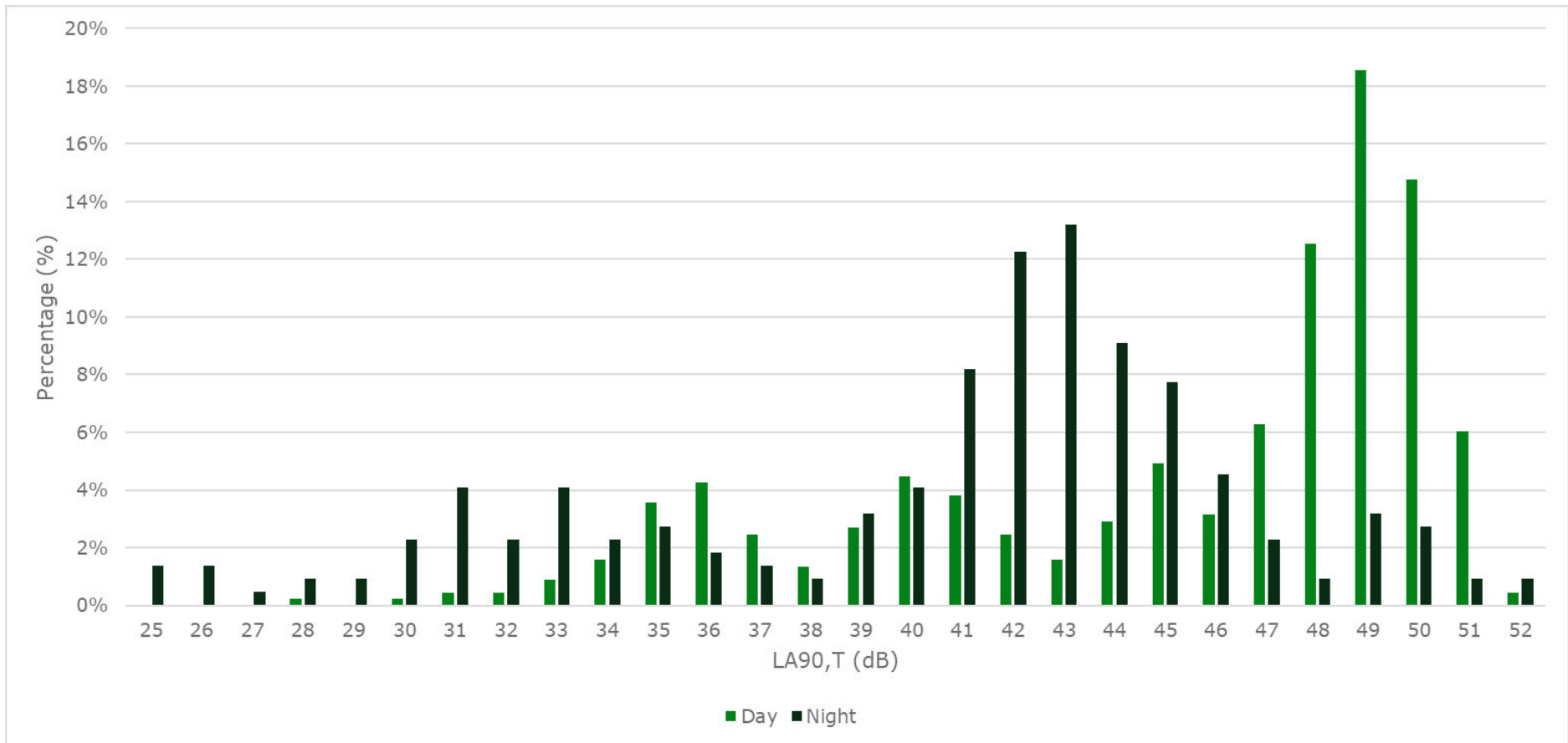
Day	Date	Ambient Sound Level [dB LAeq,T]		
		Daytime	Evening	Night-time
Friday	15 th August 2025	54	48	40
Saturday	16 th August 2025	45	42	39
Sunday	17 th August 2025	48	54	45
Monday	18 th August 2025	53	53	49
Tuesday	19 th August 2025	53	53	49
Wednesday	20 th August 2025	55	52	49
Thursday	21 st August 2025	56	52	51
Friday	22 nd August 2025	55	-	52

Table 14.2-7: Total Ambient Sound Levels at NML01 and ABC Categories

Period		Total Ambient Sound Level [dB LAeq,T]	ABC Category
Daytime	T=12hr, Weekdays, 07:00-19:00; T=6hr, Saturday, 07:00-13:00	54	A
Evenings and weekends	T=4hr, Weekdays 19:00–23:00; T=10hr, Saturdays 13:00-23:00; T=16hr, Sundays 07:00-23:00	51	A
Night-time	T=8hr, Every day 23:00-07:00	49	C

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Plate 14.2-3: Distribution of Background Sound Levels During the Day (07:00-23:00) and Night (23:00-07:00) at NML01



NML02 – Hard Lane, Harthill, S26 7AG

14.2.44 Noise monitoring was conducted between 13th August and 20th August 2025

14.2.45 **Plate 14.2-4** presents the monitoring equipment setup at NML02.

14.2.46 **Plate 14.2-5** presents the 15-minute sound measurements logged over the survey period.

14.2.47 **Table 14.2-8** presents the daytime, evening, and night-time measured $L_{Aeq,T}$.

14.2.48 **Table 14.2-9** presents the total daytime, evenings and weekends, and night-time measured $L_{Aeq,T}$ and corresponding ABC categories in accordance with BS 5228-1.

14.2.49 **Plate 14.2-6** presents the distribution of background $L_{A90,15min}$ sound levels over the day and night-time throughout the survey period. The adopted daytime and night-time $L_{A90,T}$ are 33dB and 29dB respectively for assessment locations represented by NML02.

Plate 14.2-4 Equipment Photos NML02



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Plate 14.2-5: Noise Monitoring Results at NML02

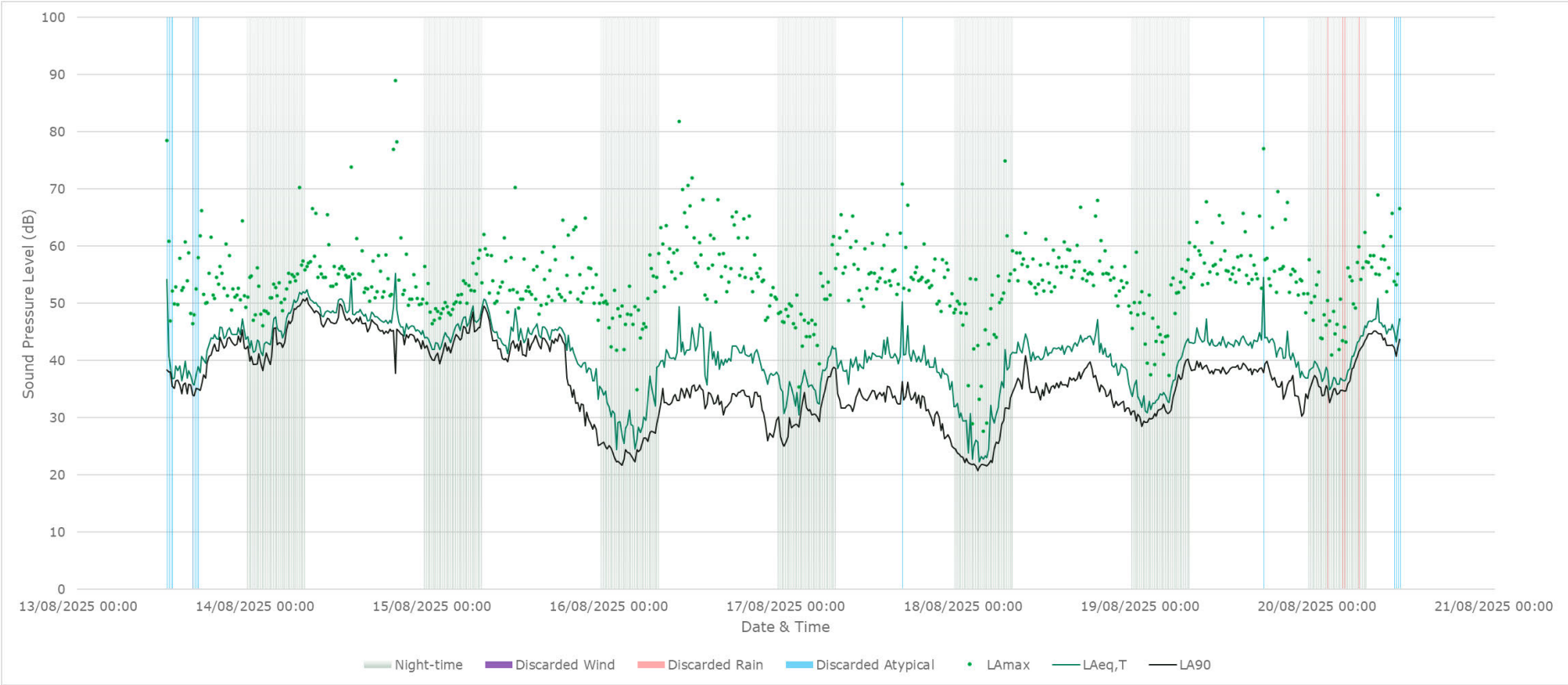


Table 14.2-8: Measured Ambient Sound Levels at NML02

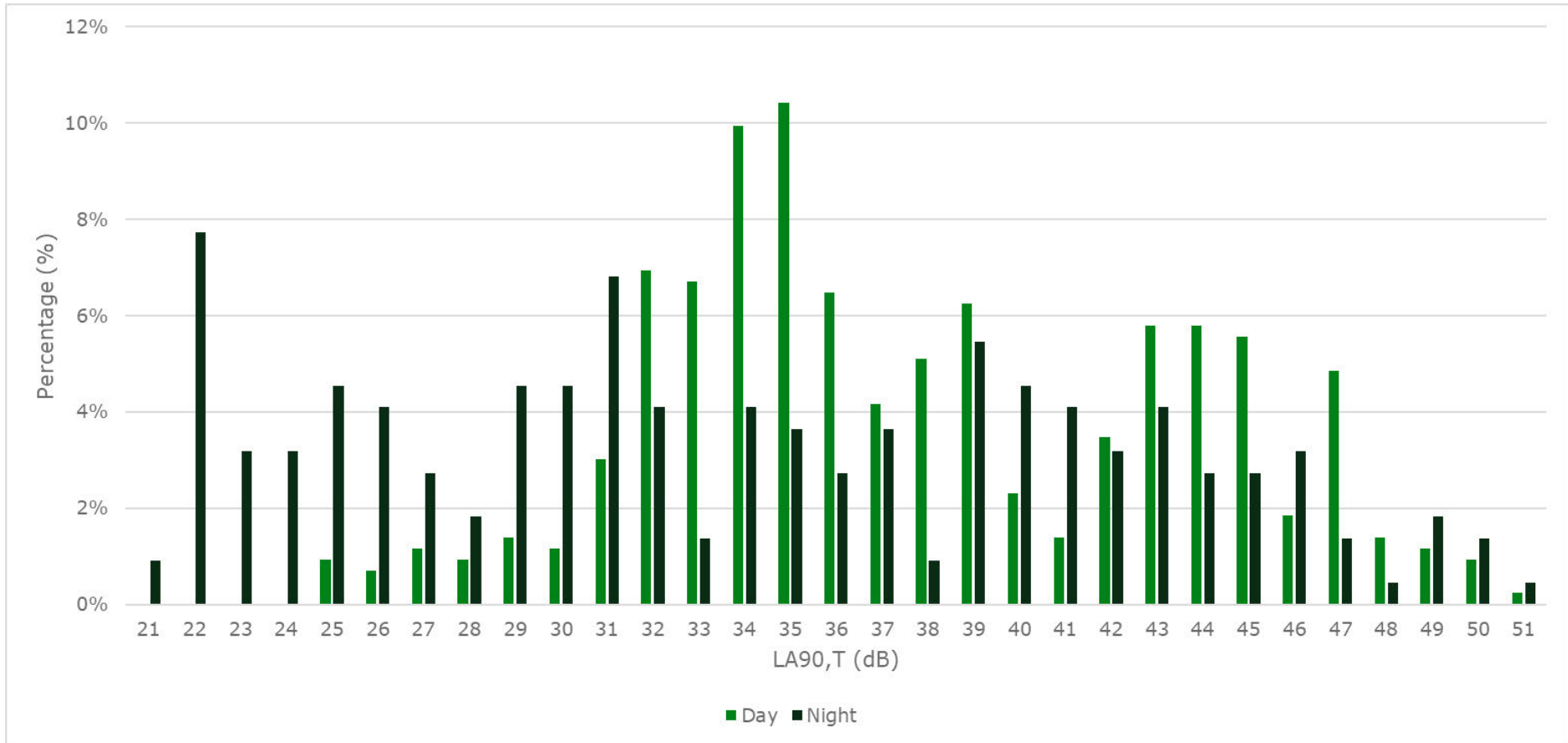
Day	Date	Ambient Sound Level [dB LAeq,T]		
		Daytime	Evening	Night-time
Wednesday	13 th August 2025	44	48	46
Thursday	14 th August 2025	52	51	50
Friday	15 th August 2025	49	42	48
Saturday	18 th August 2025	45	42	36
Sunday	17 th August 2025	44	41	40
Monday	18 th August 2025	46	42	38
Tuesday	19 th August 2025	46	43	41
Wednesday	20 th August 2025	50	-	44

Table 14.2-9: Total Ambient Sound levels at NML02 and ABC categories

Period		Total Ambient Sound Level [dB LAeq,T]	ABC Category
Daytime	T=12hr, Weekdays, 07:00-19:00; T=6hr, Saturday, 07:00-13:00	49	A
Evenings and weekends	T=4hr, Weekdays 19:00–23:00; T=10hr, Saturdays 13:00-23:00; T=16hr, Sundays 07:00-23:00	45	A
Night-time	T=8hr, Every day 23:00-07:00	45	B

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Plate 14.2-6: Distribution of Background Sound Levels During the Day (07:00-23:00) and Night (23:00-07:00) at NML02



NML03 – Walseker Lane, Harthill, S26 7YJ

14.2.50 Noise monitoring was conducted between 08th August and 20th August 2025

14.2.51 **Plate 14.2-7** presents the monitoring equipment setup at NML03.

14.2.52 **Plate 14.2-8** presents the 15-minute sound measurements logged over the survey period.

14.2.53 **Table 14.2-10** presents the daytime, evening, and night-time measured $L_{Aeq,T}$.

14.2.54 **Table 14.2-11** presents the total daytime, evenings and weekends, and night-time measured $L_{Aeq,T}$ and corresponding ABC categories in accordance with BS 5228-1.

14.2.55 **Plate 14.2-9** presents the distribution of background $L_{A90,15min}$ sound levels over the day and night-time throughout the survey period. The adopted daytime and night-time $L_{A90,T}$ are 44dB and 43dB respectively for assessment locations represented by NML03.

Plate 14.2-7: Photos of Equipment at NML03



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Plate 14.2-8: Noise Monitoring Results at NML03

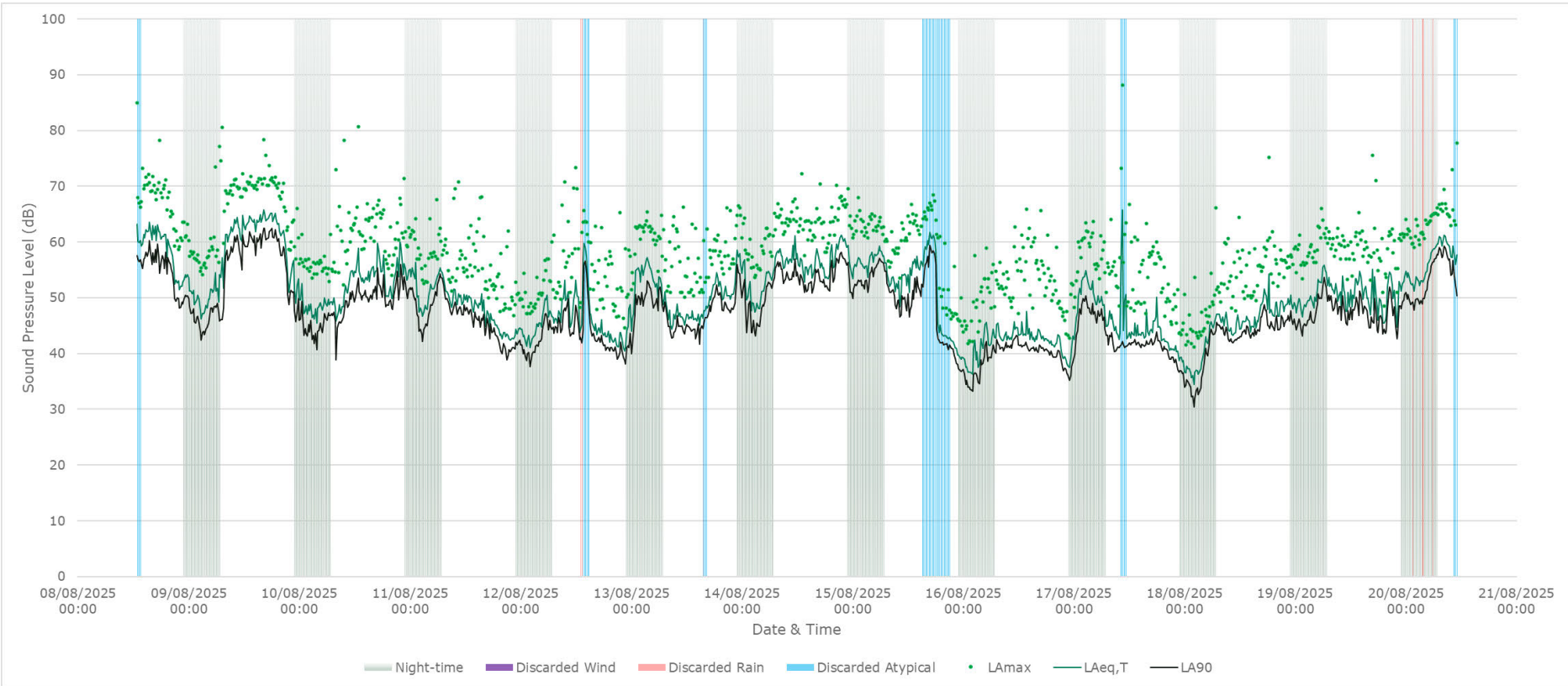


Table 14.2-10: Measured Ambient Sound Levels at NML03

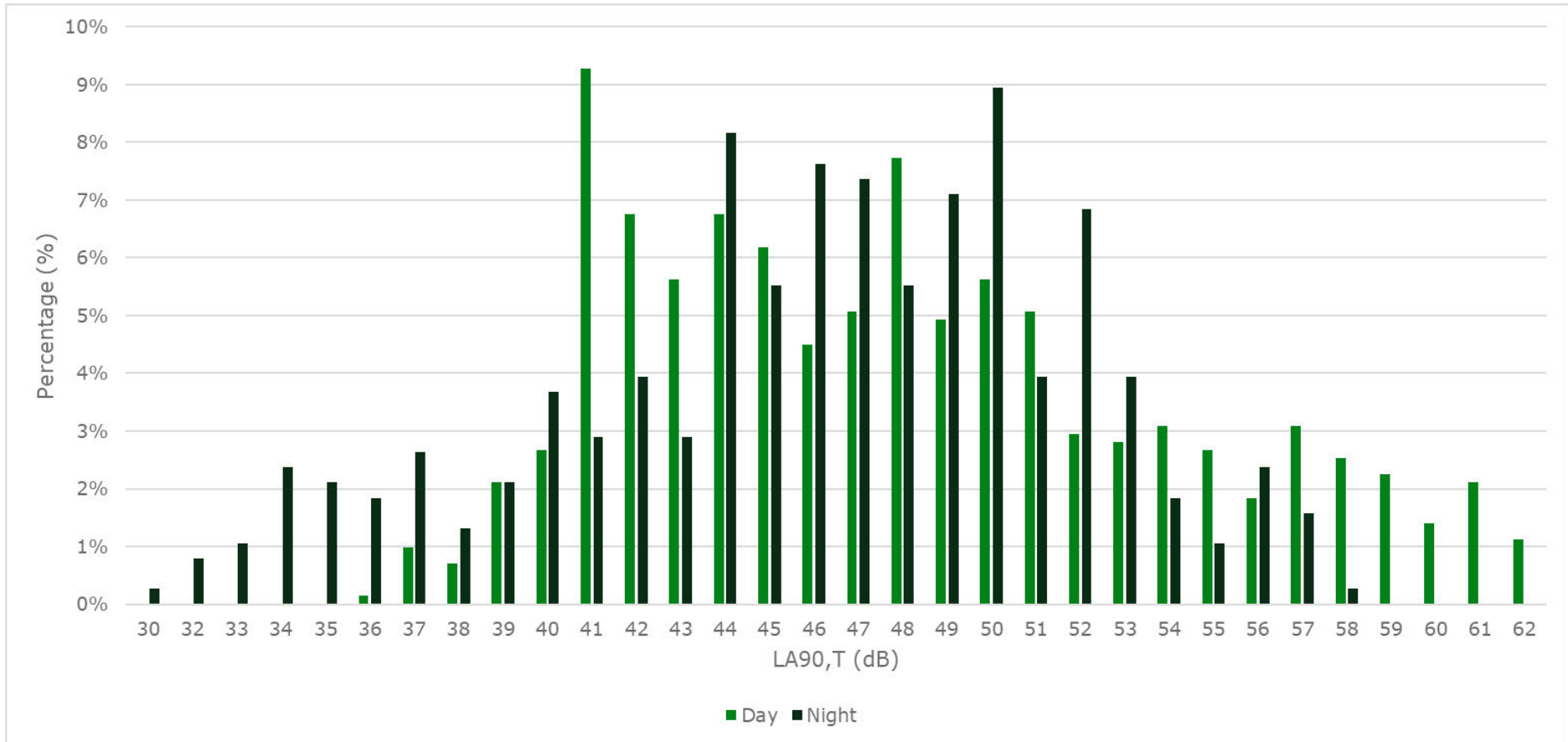
Day	Date	Ambient Sound Level [dB LAeq,T]		
		Daytime	Evening	Night-time
Friday	8 th August 2025	65	60	57
Saturday	9 th August 2025	66	63	54
Sunday	10 th August 2025	57	58	53
Monday	11 th August 2025	53	46	55
Tuesday	12 th August 2025	51	45	49
Wednesday	13 th August 2025	52	55	58
Thursday	14 th August 2025	60	62	56
Friday	15 th August 2025	57	45	59
Saturday	16 th August 2025	47	44	44
Sunday	17 th August 2025	48	44	53
Monday	18 th August 2025	50	51	46
Tuesday	19 th August 2025	54	54	54
Wednesday	20 th August 2025	63	-	59

Table 14.2-11: Total Ambient Sound Levels at NML03 and ABC Categories

Period		Total Ambient Sound Level [dB LAeq,T]	ABC Category
Daytime	T=12hr, Weekdays, 07:00-19:00; T=6hr, Saturday, 07:00-13:00	58	A
Evenings and weekends	T=4hr, Weekdays 19:00–23:00; T=10hr, Saturdays 13:00-23:00; T=16hr, Sundays 07:00-23:00	59	C
Night-time	T=8hr, Every day 23:00-07:00	55	C

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Plate 14.2-9: Distribution of Background Sound Levels During the Day (07:00-23:00) and Night (23:00-07:00) at NML03



NML04 – Mill Lane South, Anston, S25 5BG

14.2.56 Noise monitoring was conducted between 20th August and 28th August 2025

14.2.57 **Plate 14.2-10** presents the monitoring equipment setup at NML04.

14.2.58 **Plate 14.2-11** presents the 15-minute sound measurements logged over the survey period.

14.2.59 **Table 14.2-12** presents the daytime, evening, and night-time measured $L_{Aeq,T}$.

14.2.60 **Table 14.2-13** presents the total daytime, evenings and weekends, and night-time measured $L_{Aeq,T}$ and corresponding ABC categories in accordance with BS 5228-1.

14.2.61 **Plate 14.2-12** presents the distribution of background $L_{A90,15min}$ sound levels over the day and night-time throughout the survey period. The adopted daytime and night-time $L_{A90,T}$ are 43dB and 32dB respectively for assessment locations represented by NML04.

Plate 14.2-10: Photos of Equipment at NML04



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Plate 14.2-11: Noise Monitoring Results at NML04

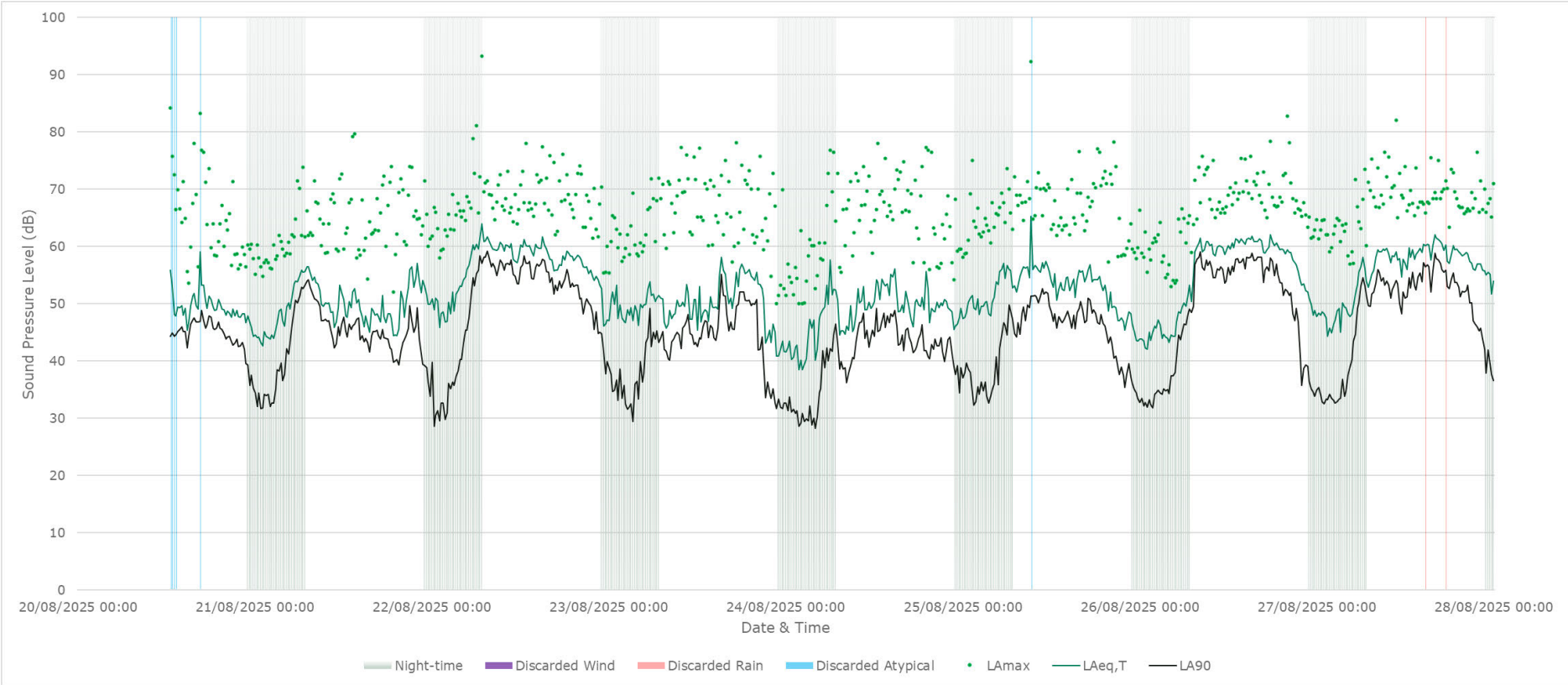


Table 14.2-12: Measured Ambient Sound Levels at NML04

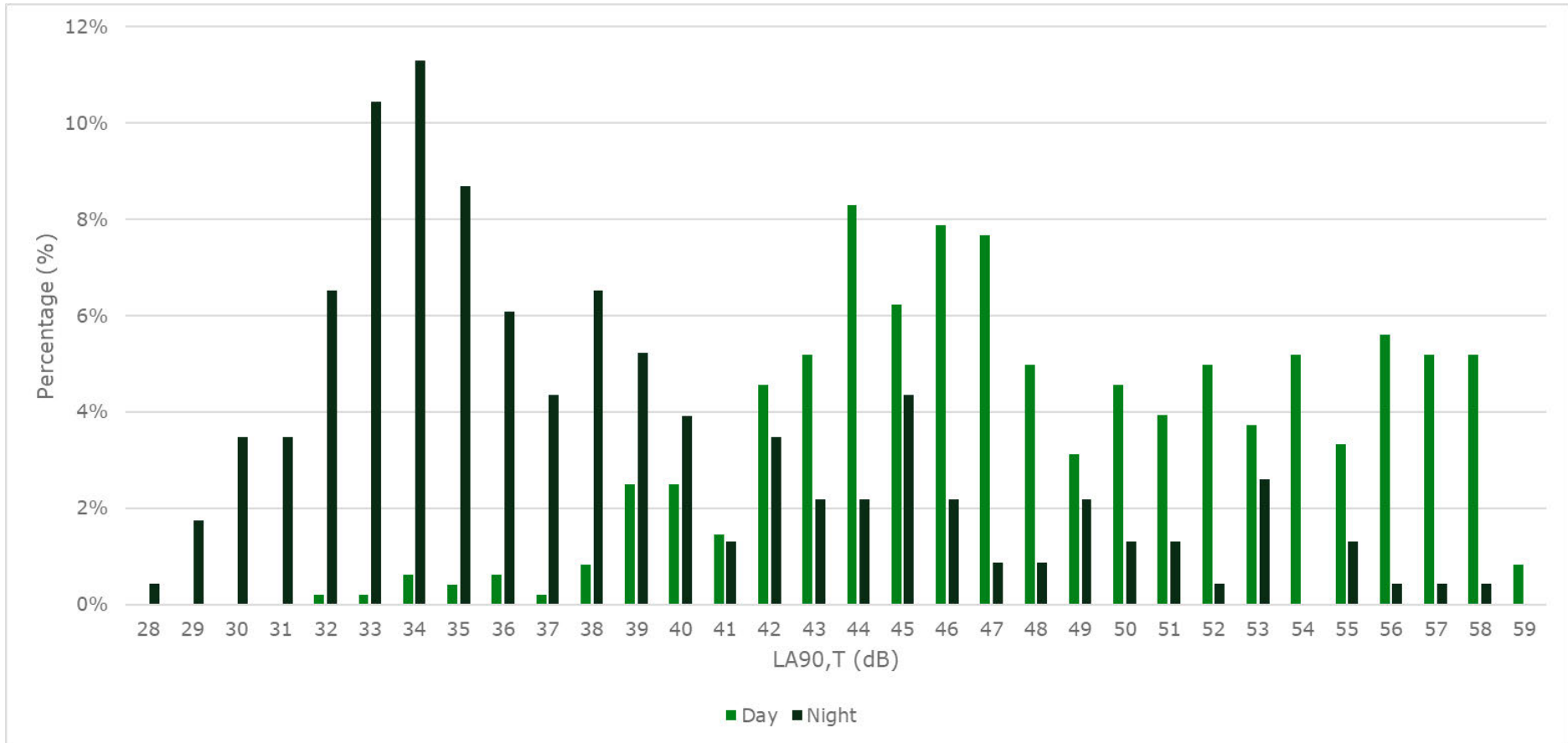
Day	Date	Ambient Sound Level [dB LAeq,T]		
		Daytime	Evening	Night-time
Wednesday	20 th August 2025	53	52	49
Thursday	21 st August 2025	54	56	54
Friday	22 nd August 2025	62	60	59
Saturday	23 rd August 2025	55	55	53
Sunday	24 th August 2025	54	53	51
Monday	25 th August 2025	58	53	55
Tuesday	26 th August 2025	63	60	50
Wednesday	27 th August 2025	62	61	55
Thursday	28 th August 2025	-	-	56

Table 14.2-13: Total Ambient Sound Levels at NML04 and ABC Categories

Period		Total Ambient Sound Level [dB LAeq,T]	ABC Category
Daytime	T=12hr, Weekdays, 07:00-19:00; T=6hr, Saturday, 07:00-13:00	60	A
Evenings and weekends	T=4hr, Weekdays 19:00–23:00; T=10hr, Saturdays 13:00-23:00; T=16hr, Sundays 07:00-23:00	57	B
Night-time	T=8hr, Every day 23:00-07:00	55	C

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Plate 14.2-12: Distribution of Background Sound Levels During the Day (07:00-23:00) and Night (23:00-07:00) at NML04



NML05 – New Road, Penny Piece Lane, North Anston, S25 5BG

- 14.2.62 Noise monitoring was conducted between 31st July and 12th August 2025
- 14.2.63 **Plate 14.2-13** presents the monitoring equipment setup at NML05.
- 14.2.64 **Plate 14.2-14** presents the 15-minute sound measurements logged over the survey period.
- 14.2.65 **Table 14.2-14** presents the daytime, evening, and night-time measured $L_{Aeq,T}$.
- 14.2.66 **Table 14.2-15** presents the total daytime, evenings and weekends, and night-time measured $L_{Aeq,T}$ and corresponding ABC categories in accordance with BS 5228-1.
- 14.2.67 **Plate 14.2-15** presents the distribution of background $L_{A90,15min}$ sound levels over the day and night-time throughout the survey period. The adopted daytime and night-time $L_{A90,T}$ are 40dB and 33dB respectively for assessment locations represented by NML05.

Plate 14.2-13: Photos of Equipment at NML05



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Plate 14.2-14: Noise Monitoring Results at NML05

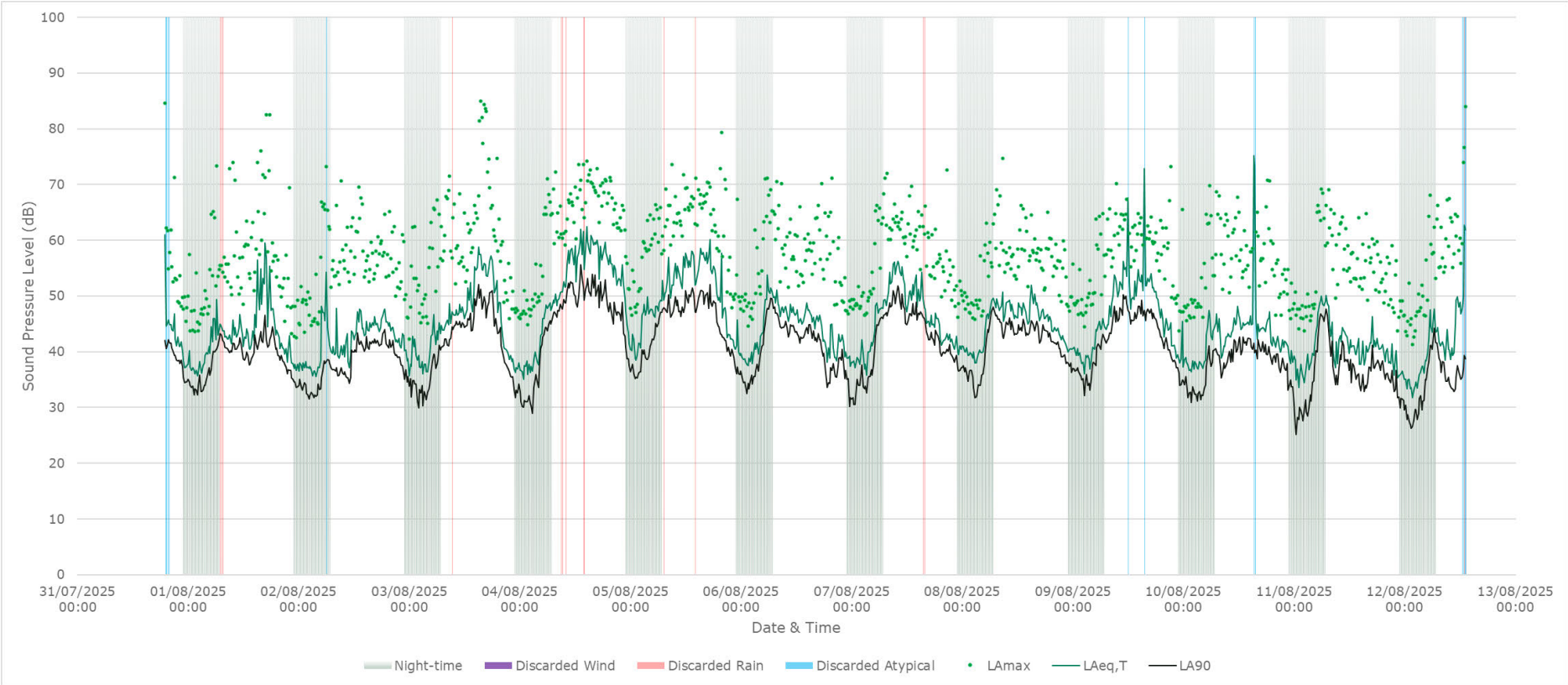


Table 14.2-14: Measured Ambient Sound Levels at NML05

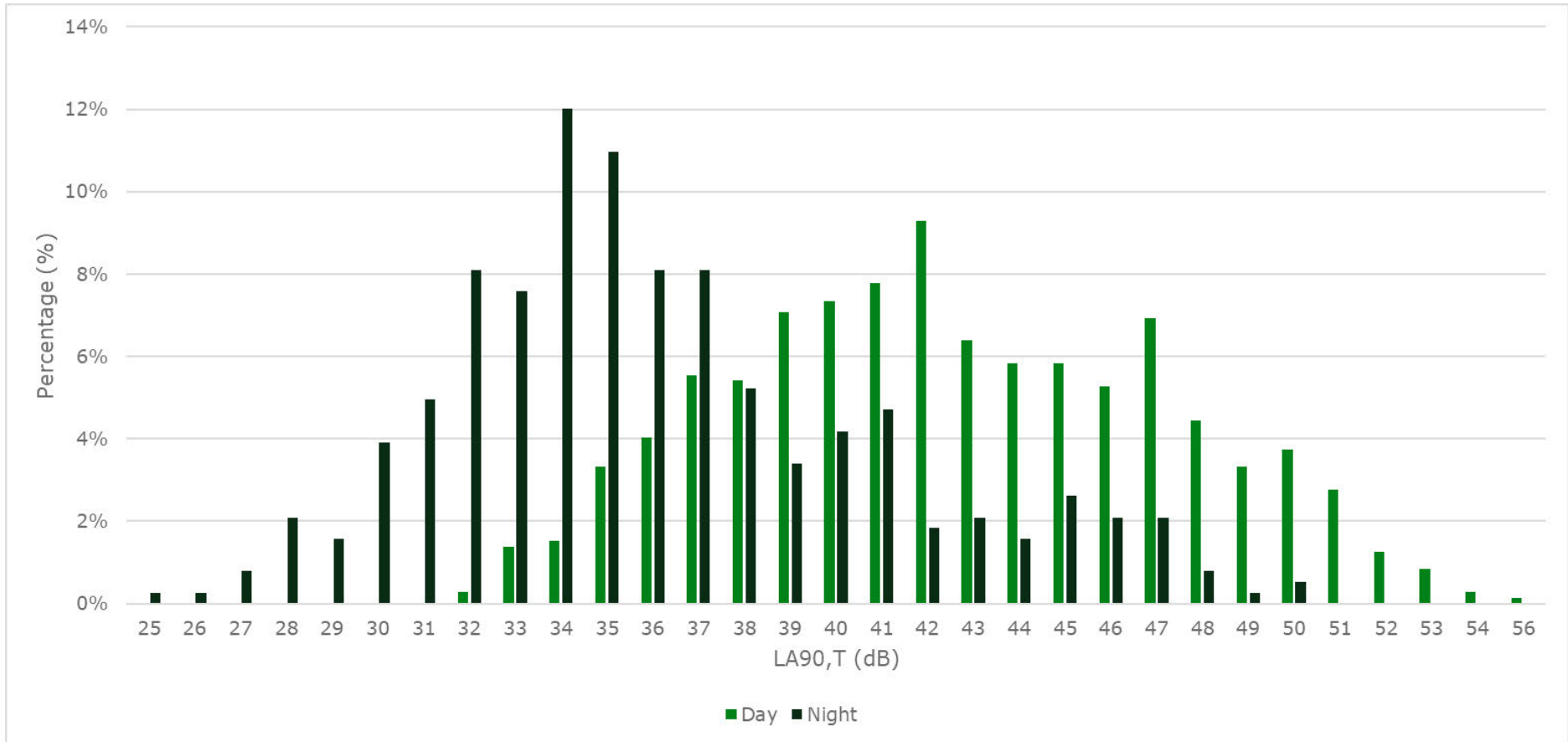
Day	Date	Ambient Sound Level [dB LAeq,T]		
		Daytime	Evening	Night-time
Thursday	31 st July 2025	-	46	41
Friday	1 st August 2025	53	44	44
Saturday	2 nd August 2025	47	46	44
Sunday	3 rd August 2025	55	48	44
Monday	4 th August 2025	61	57	47
Tuesday	5 th August 2025	59	52	49
Wednesday	6 th August 2025	50	45	49
Thursday	7 th August 2025	55	45	46
Friday	8 th August 2025	51	47	46
Saturday	9 th August 2025	55	47	45
Sunday	10 th August 2025	48	44	44
Monday	11 th August 2025	46	42	46
Tuesday	12 th August 2025	48	-	44

Table 14.2-15: Total Ambient Sound Levels at NML05 and ABC Categories

Period		Total Ambient Sound Level [dB LAeq,T]	ABC Category
Daytime	T=12hr, Weekdays, 07:00-19:00; T=6hr, Saturday, 07:00-13:00	55	A
Evenings and weekends	T=4hr, Weekdays 19:00–23:00; T=10hr, Saturdays 13:00-23:00; T=16hr, Sundays 07:00-23:00	51	A
Night-time	T=8hr, Every day 23:00-07:00	46	B

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Plate 14.2-15: Distribution of Background Sound Levels During the Day (07:00-23:00) and Night (23:00-07:00) at NML05



NML07 – Grange Gardens, Todwick, Sheffield S26 1JQ

14.2.68 Noise monitoring was conducted between 20th August and 28th August 2025

14.2.69 **Plate 14.2-16** presents the monitoring equipment setup at NML07.

14.2.70 **Plate 14.2-17** presents the 15-minute sound measurements logged over the survey period.

14.2.71 **Table 14.2-16** presents the daytime, evening, and night-time measured $L_{Aeq,T}$.

14.2.72 **Table 14.2-17** presents the total daytime, evenings and weekends, and night-time measured $L_{Aeq,T}$ and corresponding ABC categories in accordance with BS 5228-1.

14.2.73 **Plate 14.2-18** presents the distribution of background $L_{A90,15min}$ sound levels over the day and night-time throughout the survey period. The adopted daytime and night-time $L_{A90,T}$ are 43dB and 39dB respectively for assessment locations represented by NML07.

Plate 14.2-16: Photos of Equipment at NML07



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Plate 14.2-17: Noise Monitoring Results at NML07

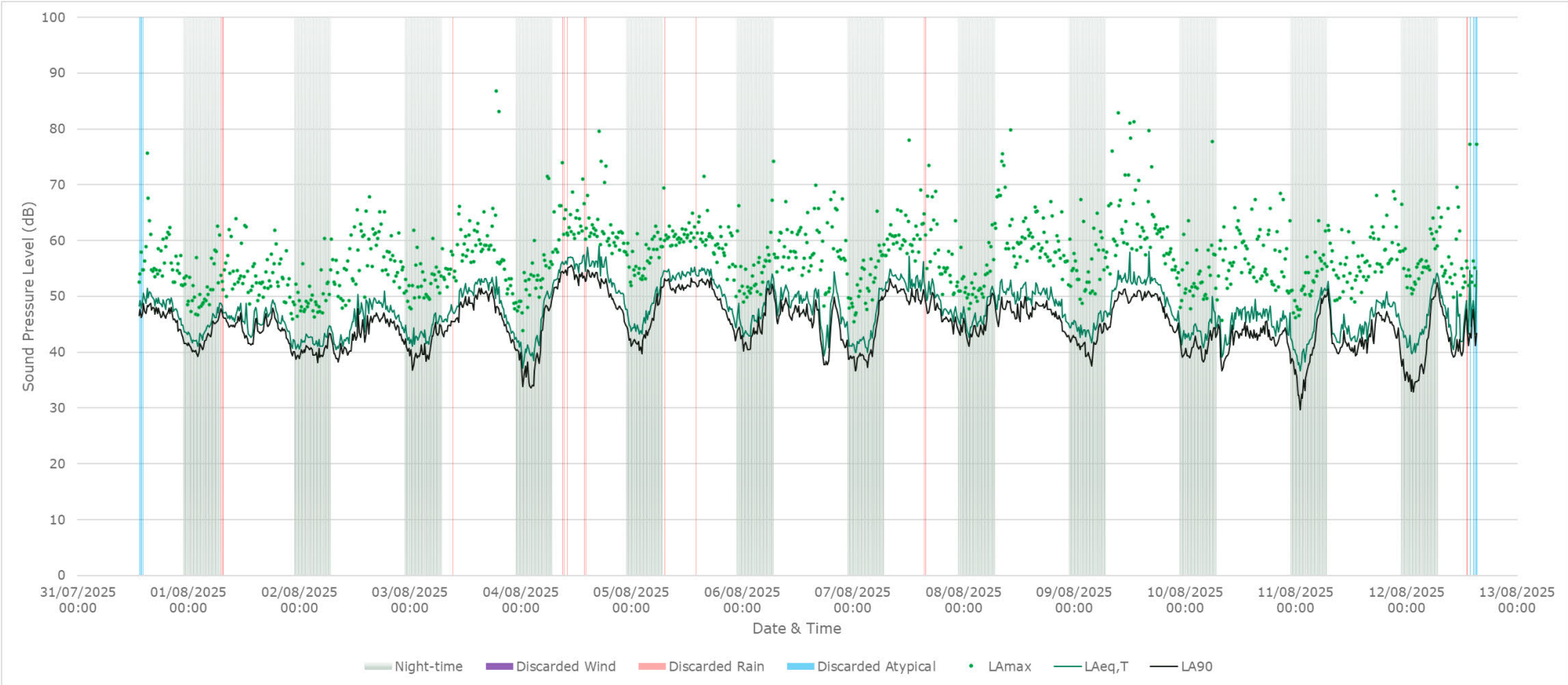


Table 14.2-16: Measured Ambient Sound Levels at NML07

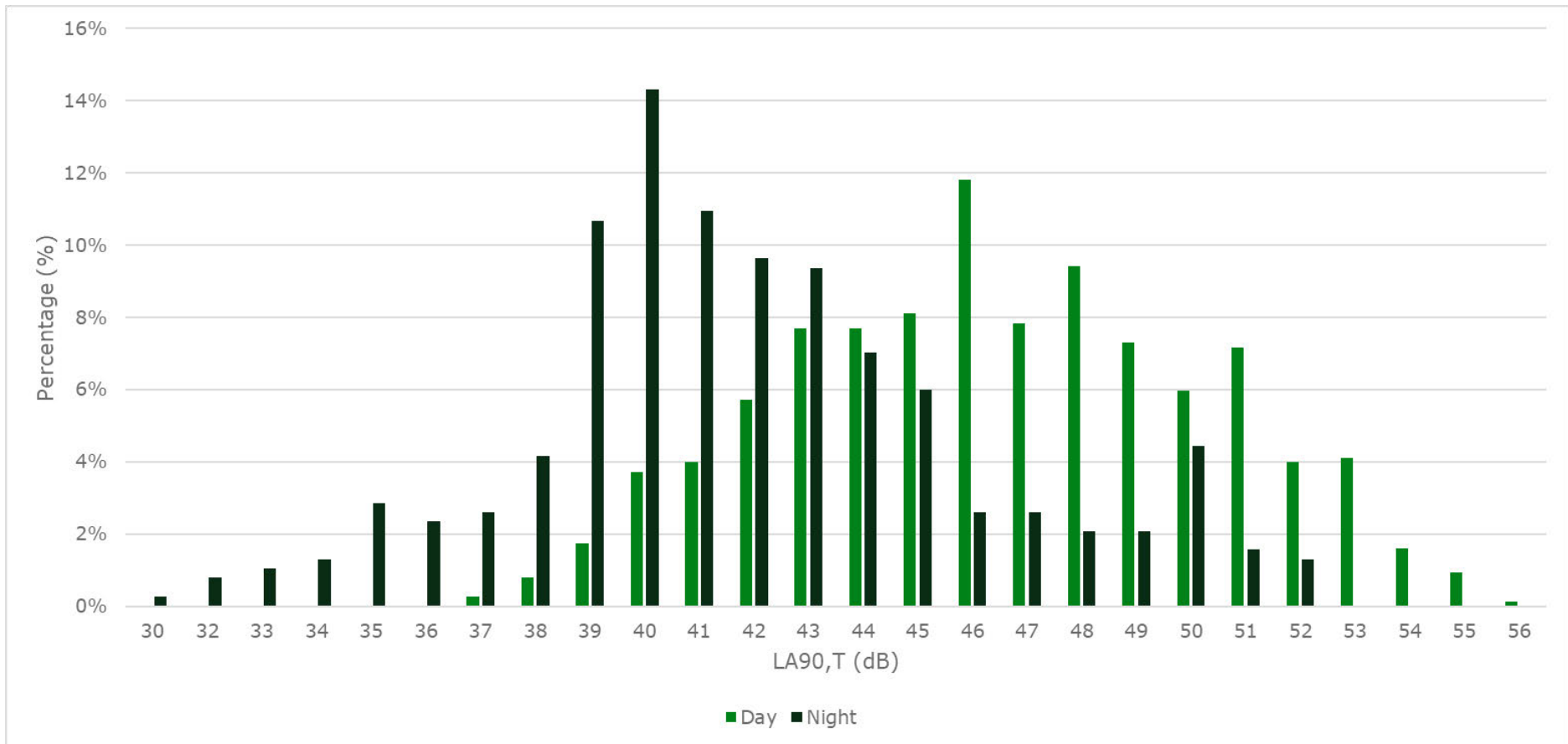
Day	Date	Ambient Sound Level [dB LAeq,T]		
		Daytime	Evening	Night-time
Thursday	31 st July 2025	53	51	46
Friday	1 st August 2025	50	48	47
Saturday	2 nd August 2025	50	50	46
Sunday	3 rd August 2025	54	50	47
Monday	4 th August 2025	59	54	49
Tuesday	5 th August 2025	57	52	51
Wednesday	6 th August 2025	52	52	51
Thursday	7 th August 2025	56	50	49
Friday	8 th August 2025	54	51	50
Saturday	9 th August 2025	56	51	48
Sunday	10 th August 2025	49	48	47
Monday	11 th August 2025	49	51	49
Tuesday	12 th August 2025	50	-	51

Table 14.2-17: Total Ambient Sound Levels at NML07 and ABC Categories

Period		Total Ambient Sound Level [dB LAeq,T]	ABC Category
Daytime	T=12hr, Weekdays, 07:00-19:00; T=6hr, Saturday, 07:00-13:00	54	A
Evenings and weekends	T=4hr, Weekdays 19:00–23:00; T=10hr, Saturdays 13:00-23:00; T=16hr, Sundays 07:00-23:00	52	A
Night-time	T=8hr, Every day 23:00-07:00	49	C

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Plate 14.2-18: Distribution of Background Sound Levels During the Day (07:00-23:00) and Night (23:00-07:00) at NML07



NML09 – Hardwick Lane, Hardwick, S26 2BE

- 14.2.74 Noise monitoring was conducted between 31st July and 12th August 2025.
- 14.2.75 **Plate 14.2-19** presents the monitoring equipment setup at NML09.
- 14.2.76 **Plate 14.2-20** presents the 15-minute sound measurements logged over the survey period.
- 14.2.77 **Table 14.2-18** presents the daytime, evening, and night-time measured $L_{Aeq,T}$.
- 14.2.78 **Table 14.2-19** presents the total daytime, evenings and weekends, and night-time measured $L_{Aeq,T}$ and corresponding ABC categories in accordance with BS 5228-1.
- 14.2.79 **Plate 14.2-21** presents the distribution of background $L_{A90,15min}$ sound levels over the day and night-time throughout the survey period. The adopted daytime and night-time $L_{A90,T}$ are 48dB and 43dB respectively for assessment locations represented by NML09.

Plate 14.2-19: Photos of Equipment at NML09



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Plate 14.2-20: Noise Monitoring Results at NML09

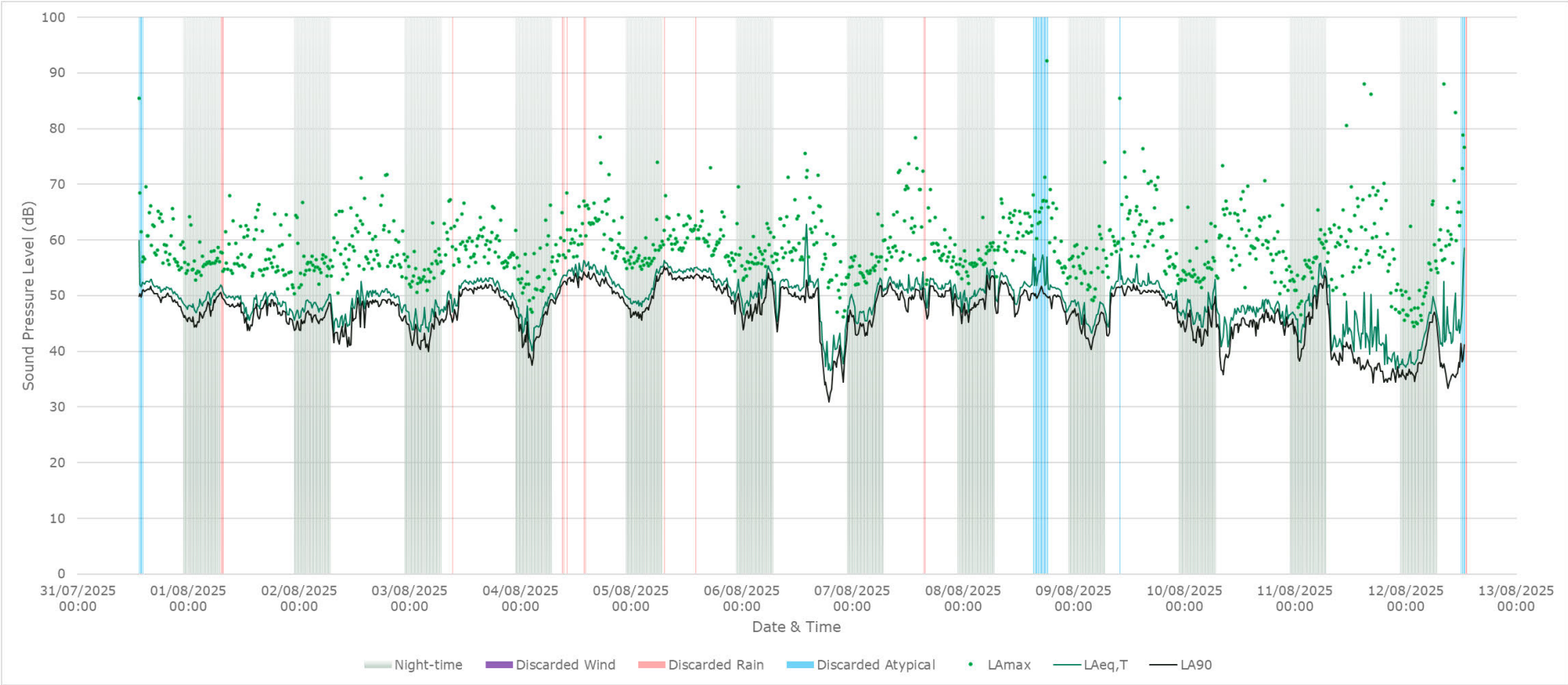


Table 14.2-18: Measured Ambient Sound Levels at NML09

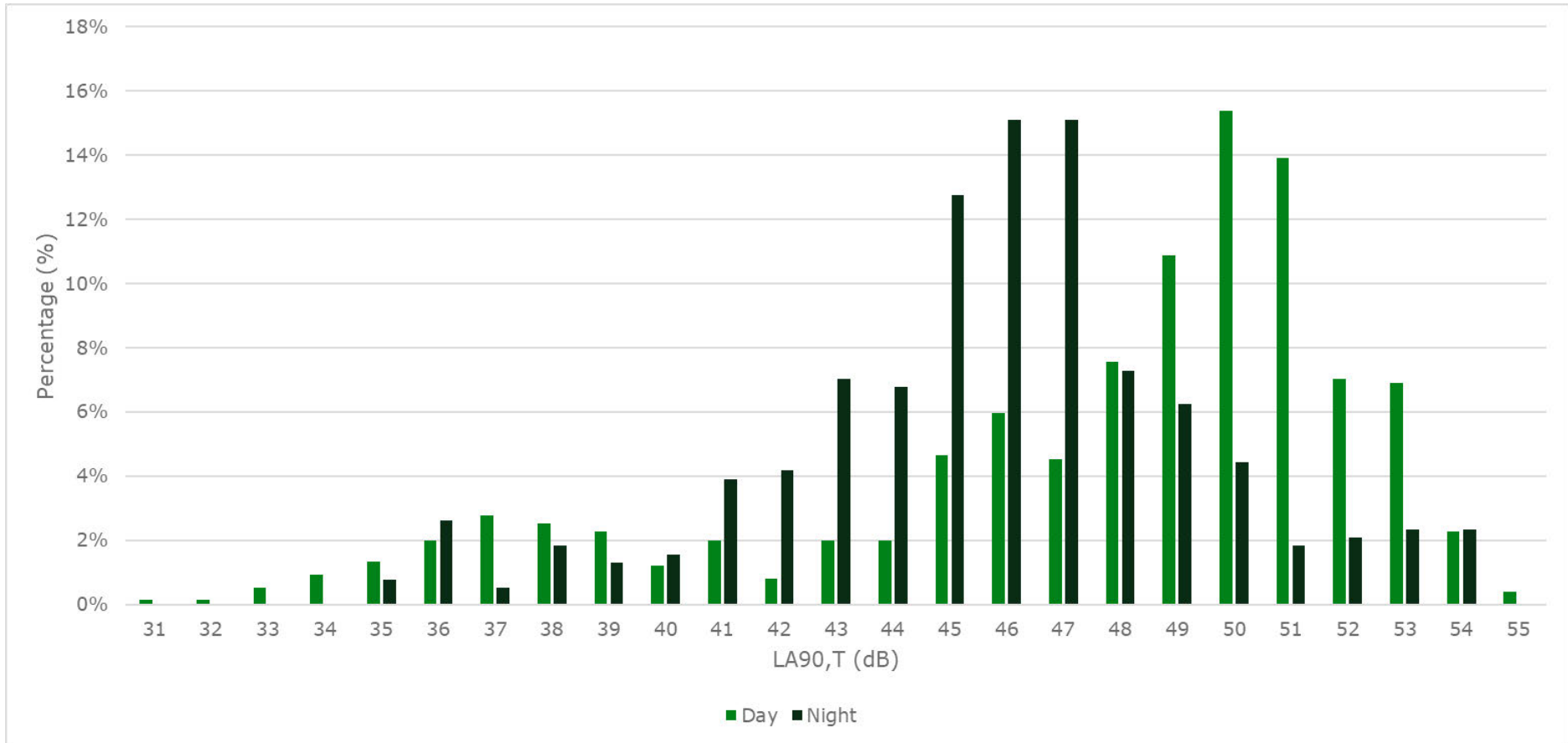
Day	Date	Ambient Sound Level [dB LAeq,T]		
		Daytime	Evening	Night-time
Thursday	31 st July 2025	56	54	51
Friday	1 st August 2025	52	51	52
Saturday	2 nd August 2025	52	53	51
Sunday	3 rd August 2025	55	54	49
Monday	4 th August 2025	57	55	50
Tuesday	5 th August 2025	58	55	54
Wednesday	6 th August 2025	56	44	54
Thursday	7 th August 2025	55	55	52
Friday	8 th August 2025	56	54	54
Saturday	9 th August 2025	55	53	50
Sunday	10 th August 2025	50	50	51
Monday	11 th August 2025	48	42	53
Tuesday	12 th August 2025	52	-	47

Table 14.2-19: Total Ambient Sound Levels at NML09 and ABC Categories

Period		Total Ambient Sound Level [dB LAeq,T]	ABC Category
Daytime	T=12hr, Weekdays, 07:00-19:00; T=6hr, Saturday, 07:00-13:00	55	A
Evenings and weekends	T=4hr, Weekdays 19:00–23:00; T=10hr, Saturdays 13:00-23:00; T=16hr, Sundays 07:00-23:00	53	B
Night-time	T=8hr, Every day 23:00-07:00	52	C

ENVIRONMENTAL STATEMENT

Plate 14.2-21: Distribution of Background Sound Levels During the Day (07:00-23:00) and Night (23:00-07:00) at NML09



NML10 – Meadow View, Hawkhill Lane, Thurcroft, S66 9BL

14.2.80 Noise monitoring was conducted between 08th August and 21st August 2025

14.2.81 **Plate 14.2-22** presents the monitoring equipment setup at NML10.

14.2.82 **Plate 14.2-23** presents the 15-minute sound measurements logged over the survey period.

14.2.83 **Table 14.2-20** presents the daytime, evening, and night-time measured $L_{Aeq,T}$.

14.2.84 **Table 14.2-21** presents the total daytime, evenings and weekends, and night-time measured $L_{Aeq,T}$ and corresponding ABC categories in accordance with BS 5228-1.

14.2.85 **Plate 14.2-24** presents the distribution of background $L_{A90,15min}$ sound levels over the day and night-time throughout the survey period. The adopted daytime and night-time $L_{A90,T}$ are 38dB and 31dB respectively for assessment locations represented by NML10.

Plate 14.2-22: Photos of Equipment at NML10



ENVIRONMENTAL STATEMENT

Plate 14.2-23: Noise Monitoring Results at NML10

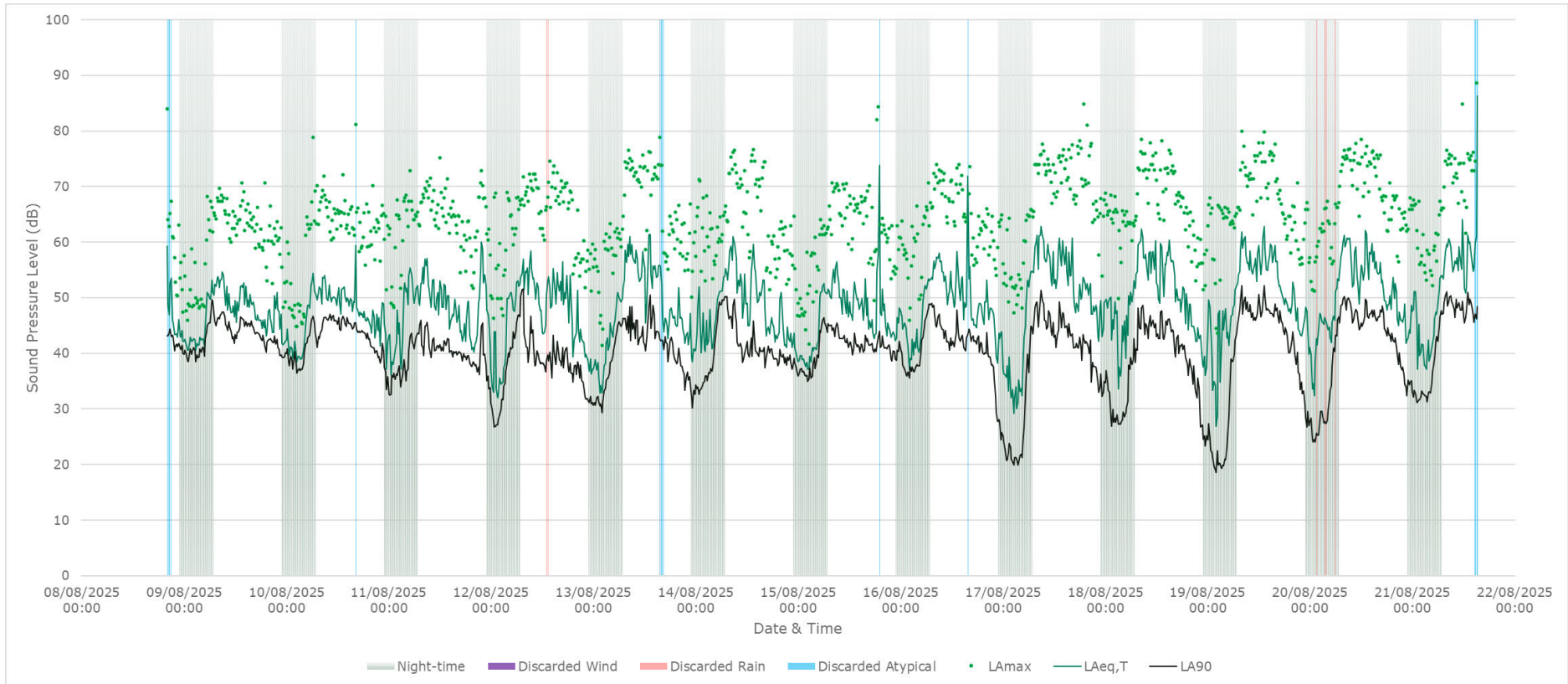


Table 14.2-20: Measured Ambient Sound Levels at NML10

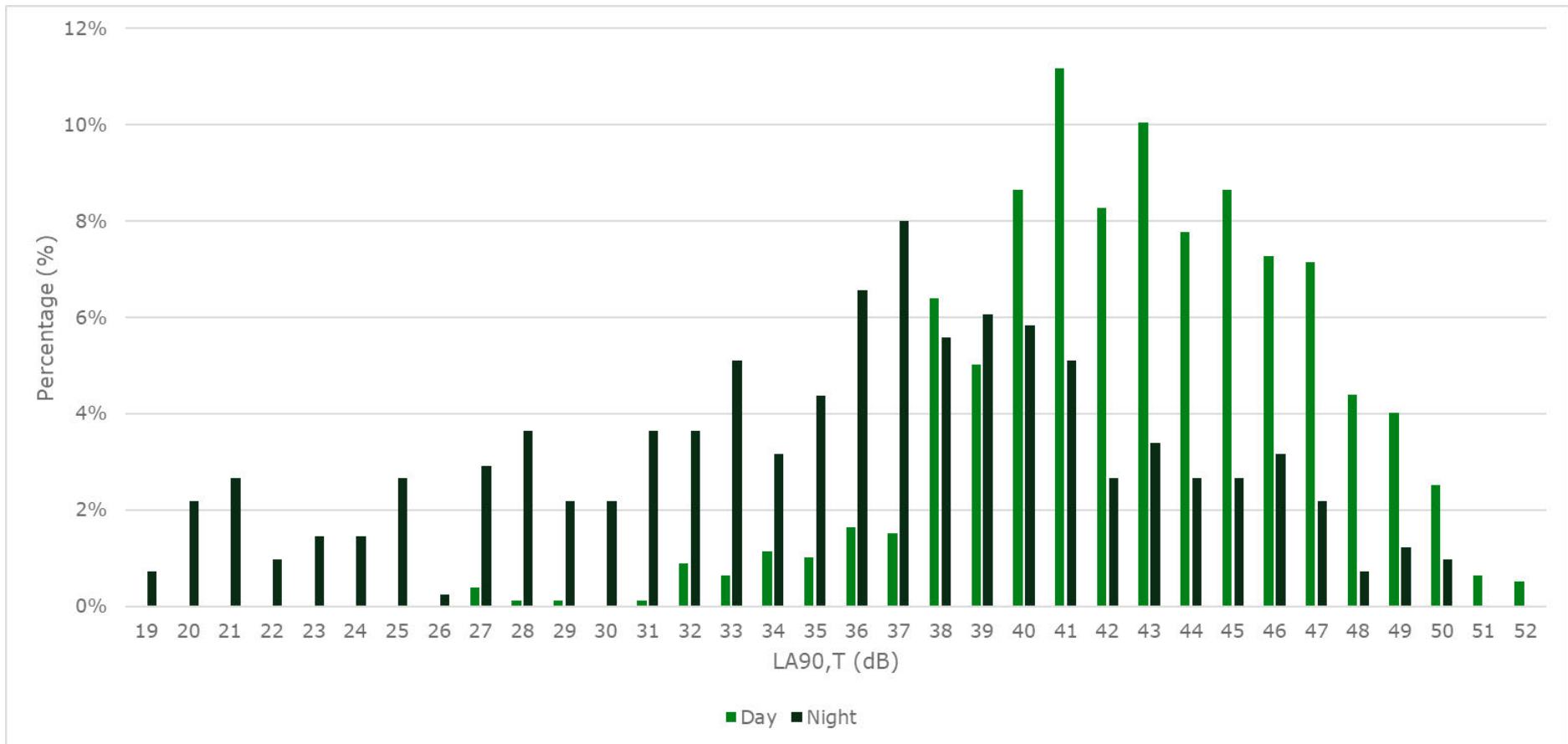
Day	Date	Ambient Sound Level [dB LAeq,T]		
		Daytime	Evening	Night-time
Friday	8 th August 2025	-	50	46
Saturday	9 th August 2025	53	50	49
Sunday	10 th August 2025	53	49	50
Monday	11 th August 2025	54	56	52
Tuesday	12 th August 2025	56	47	50
Wednesday	13 th August 2025	59	49	48
Thursday	14 th August 2025	57	48	51
Friday	15 th August 2025	54	49	49
Saturday	16 th August 2025	56	51	50
Sunday	17 th August 2025	60	53	50
Monday	18 th August 2025	60	49	50
Tuesday	19 th August 2025	60	51	49
Wednesday	20 th August 2025	60	52	50
Friday	21 st August 2025	61	-	50

Table 14.2-21: Total Ambient Sound Levels at NML10 and ABC Categories

Period		Total Ambient Sound Level [dB LAeq,T]	ABC Category
Daytime	T=12hr, Weekdays, 07:00-19:00; T=6hr, Saturday, 07:00-13:00	58	A
Evenings and weekends	T=4hr, Weekdays 19:00–23:00; T=10hr, Saturdays 13:00-23:00; T=16hr, Sundays 07:00-23:00	55	B
Night-time	T=8hr, Every day 23:00-07:00	50	C

ENVIRONMENTAL STATEMENT

Plate 14.2-24: Distribution of Background Sound Levels During the Day (07:00-23:00) and Night (23:00-07:00) at NML10



NML11 – Common Lane, Thurcroft, S66 9BE

14.2.86 Noise monitoring was conducted between 07th August and 20th August 2025

14.2.87 Plate 14.2-25 presents the monitoring equipment setup at NML11.

14.2.88 Plate 14.2-26 presents the 15-minute sound measurements logged over the survey period.

14.2.89 **Table 14.2-22** presents the daytime, evening, and night-time measured $L_{Aeq,T}$.

14.2.90 **Table 14.2-23** presents the total daytime, evenings and weekends, and night-time measured $L_{Aeq,T}$ and corresponding ABC categories in accordance with BS 5228-1.

14.2.91 **Plate 14.2-27** presents the distribution of background $L_{A90,15min}$ sound levels over the day and night-time throughout the survey period. The adopted daytime and night-time $L_{A90,T}$ are 44dB and 39dB respectively for assessment locations represented by NML11.

Plate 14.2-25: Photos of Equipment at NML11



ENVIRONMENTAL STATEMENT

Plate 14.2-26: Noise Monitoring Results at NML11

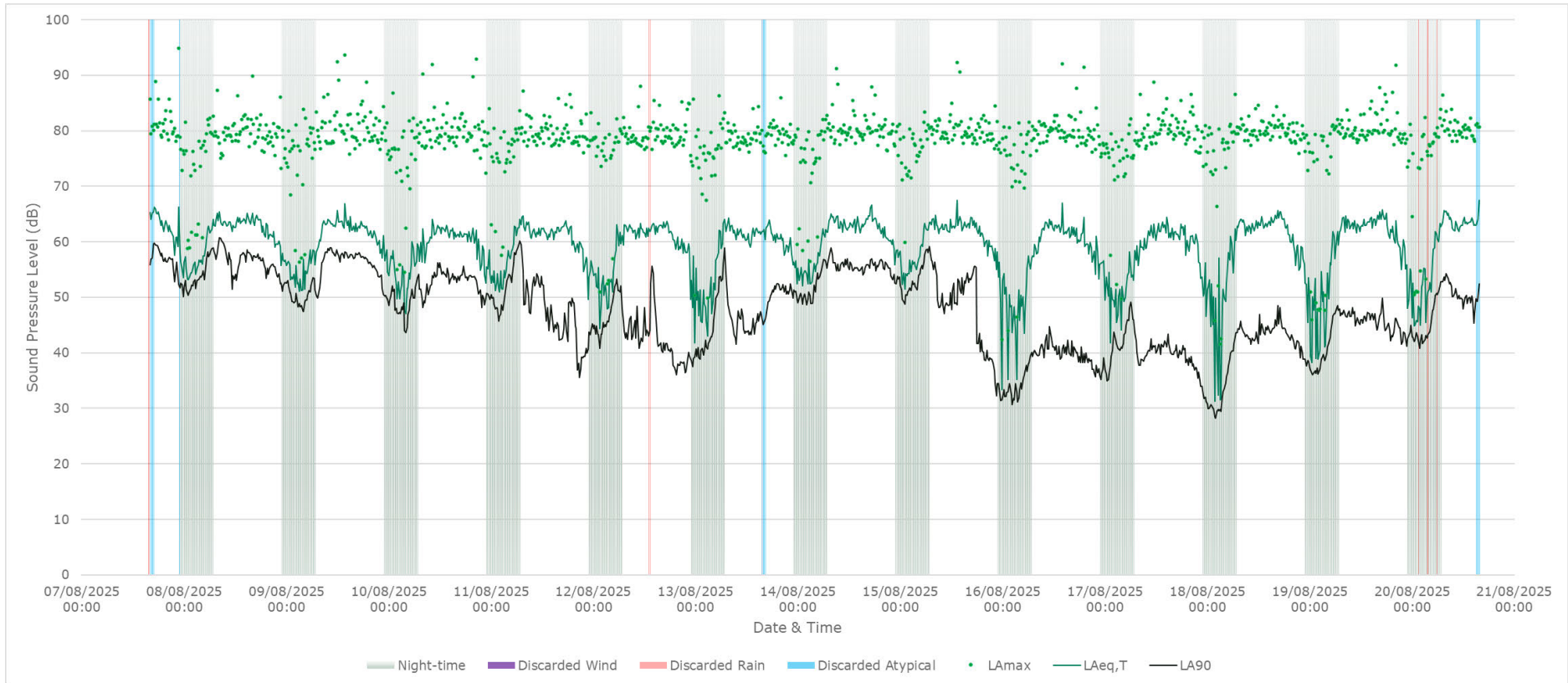


Table 14.2-22: Measured Ambient Sound Levels at NML11

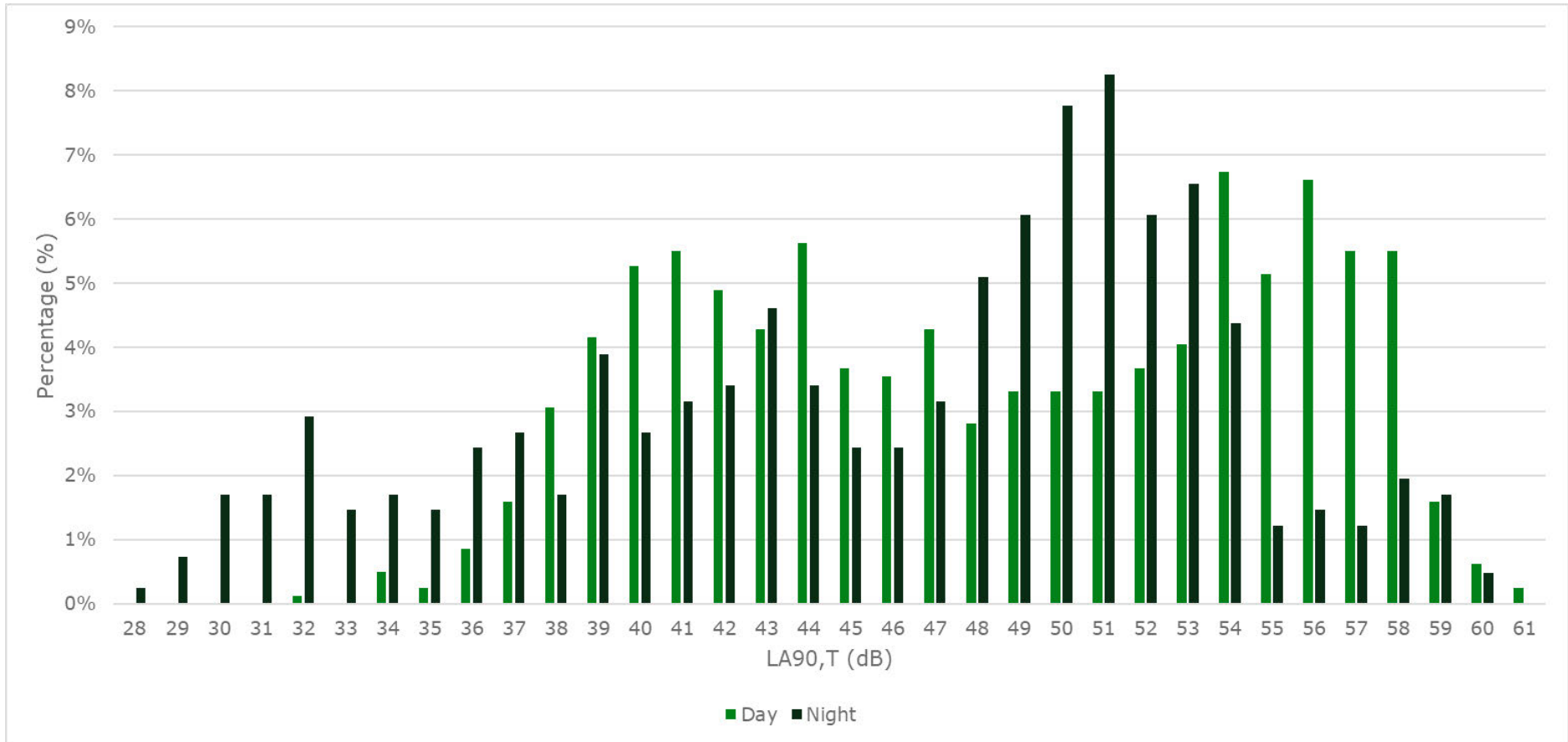
Day	Date	Ambient Sound Level [dB LAeq,T]		
		Daytime	Evening	Night-time
Thursday	7 th August 2025	68	65	59
Friday	8 th August 2025	67	64	61
Saturday	9 th August 2025	66	64	59
Sunday	10 th August 2025	64	62	58
Monday	11 th August 2025	65	61	61
Tuesday	12 th August 2025	65	62	59
Wednesday	13 th August 2025	65	63	60
Thursday	14 th August 2025	67	64	61
Friday	15 th August 2025	66	62	61
Saturday	16 th August 2025	65	62	56
Sunday	17 th August 2025	64	62	55
Monday	18 th August 2025	66	62	58
Tuesday	19 th August 2025	67	63	58
Wednesday	20 th August 2025	67	-	60

Table 14.2-23: Total Ambient Sound Levels at NML11 and ABC Categories

Period		Total Ambient Sound Level [dB LAeq,T]	ABC Category
Daytime	T=12hr, Weekdays, 07:00-19:00; T=6hr, Saturday, 07:00-13:00	66	B
Evenings and weekends	T=4hr, Weekdays 19:00–23:00; T=10hr, Saturdays 13:00-23:00; T=16hr, Sundays 07:00-23:00	64	C
Night-time	T=8hr, Every day 23:00-07:00	59	C

ENVIRONMENTAL STATEMENT

Plate 14.2-27: Distribution of Background Sound Levels During the Day (07:00-23:00) and Night (23:00-07:00) at NML11



NML12 – Carr Lane, Ulley, S26 3YA

- 14.2.92 Noise monitoring was conducted between 2nd August and 13th August 2025, and between 20th January and 4th February 2026.
- 14.2.93 **Plate 14.2-28** presents the monitoring equipment setup at NML12 between 2nd August and 13th August 2025.
- 14.2.94 **Plate 14.2-29** presents the monitoring equipment setup at NML12 between 20th January and 4th February 2026.
- 14.2.95 **Plate 14.2-30** presents the 15-minute sound measurements logged over the survey period between 2nd August and 13th August 2025.
- 14.2.96 **Plate 14.2-31** presents the 15-minute sound measurements logged over the survey period between 20th January and 4th February 2026.
- 14.2.97 **Table 14.2-24** presents the daytime, evening, and night-time measured $L_{Aeq,T}$.
- 14.2.98 **Table 14.2-25** presents the total daytime, evenings and weekends, and night-time measured $L_{Aeq,T}$ and corresponding ABC categories in accordance with BS 5228-1.
- 14.2.99 **Plate 14.2-32** presents the distribution of background $L_{A90,15min}$ sound levels over the day and night-time throughout the survey period. The adopted daytime and night-time $L_{A90,T}$ are 46dB and 41dB respectively for assessment locations represented by NML12.

Plate 14.2-28: Photos of Equipment at NML12 - 2025

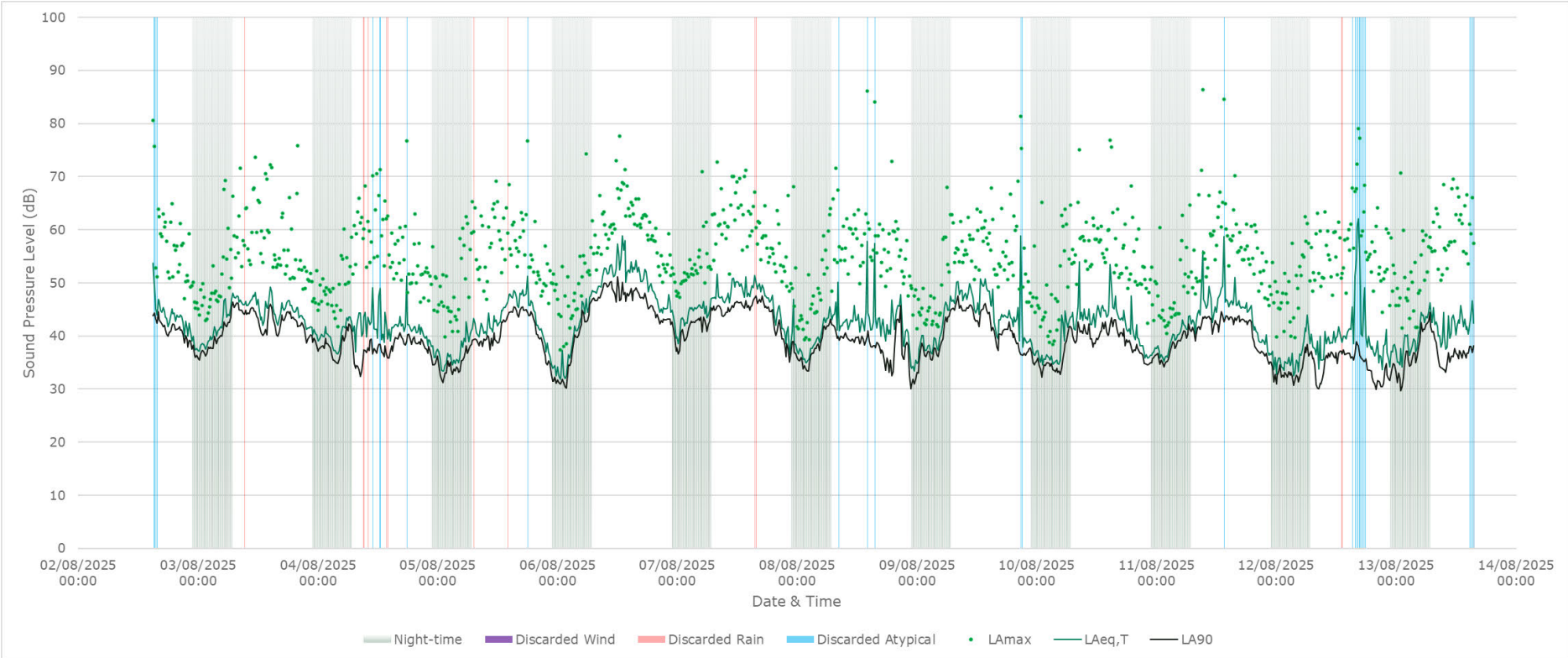


Plate 14.2-29: Photos of Equipment at NML12 - 2026



ENVIRONMENTAL STATEMENT

Plate 14.2-30: Noise Monitoring Results at NML12 - 2025



ENVIRONMENTAL STATEMENT

Plate 14.2-31: Noise Monitoring Results at NML12 - 2026

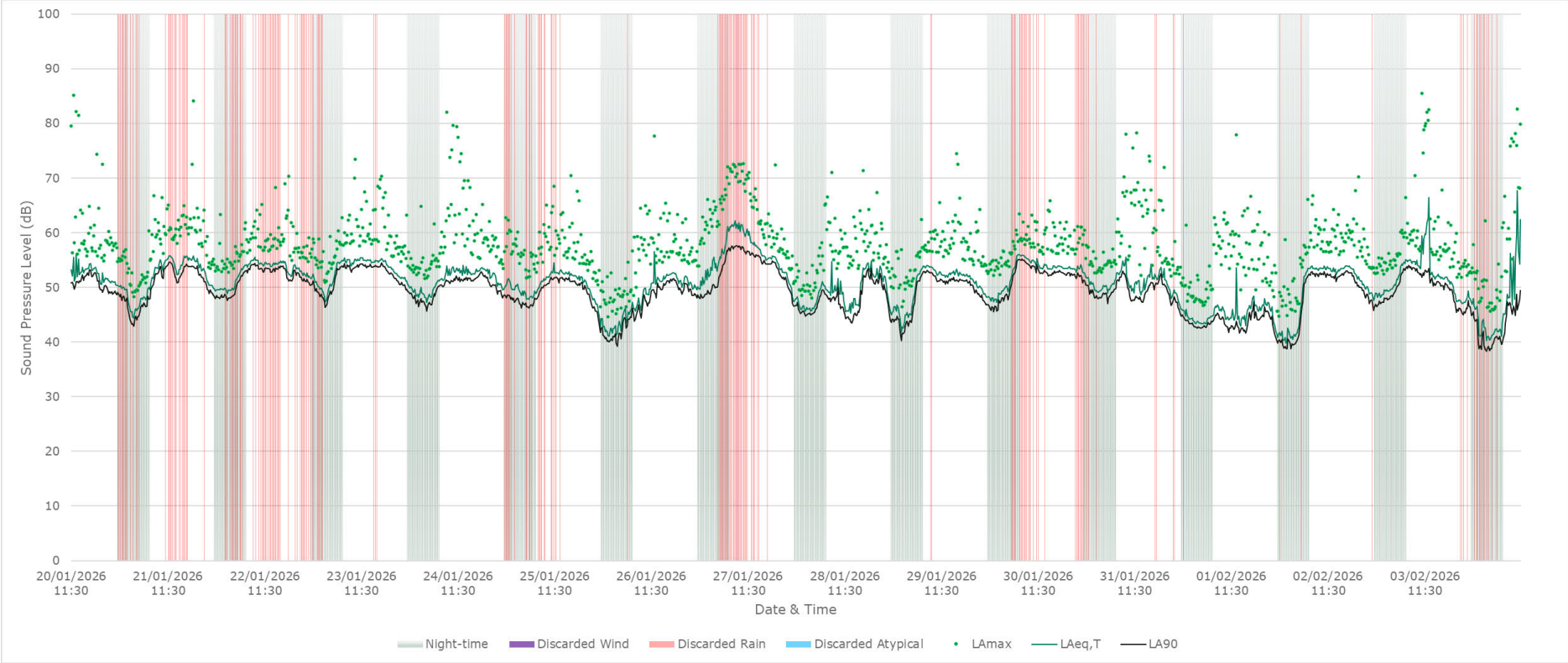


Table 14.2-24: Measured Ambient Sound Levels at NML12

Day	Date	Ambient Sound Level [dB LAeq,T]		
		Daytime	Evening	Night-time
Saturday	2 nd August 2025	48	46	41
Sunday	3 rd August 2025	49	46	45
Monday	4 th August 2025	45	43	43
Tuesday	5 th August 2025	48	44	40
Wednesday	6 th August 2025	56	49	45
Thursday	7 th August 2025	52	46	47
Friday	8 th August 2025	46	46	43
Saturday	9 th August 2025	50	44	44
Sunday	10 th August 2025	48	43	42
Monday	11 th August 2025	50	43	43
Tuesday	12 th August 2025	42	40	40
Wednesday	13 th August 2025	45	-	44
Tuesday	20 nd January 2026	56	54	53
Wednesday	21 st January 2026	57	55	51
Thursday	22 nd January 2026	57	56	54
Friday	23 rd January 2026	58	55	55
Saturday	24 th January 2026	56	54	52
Sunday	25 th January 2026	55	52	52
Monday	26 th January 2026	54	54	48
Tuesday	27 th January 2026	60	55	55
Wednesday	28 th January 2026	54	54	51
Thursday	29 th January 2026	56	53	52
Friday	30 th January 2026	57	56	54
Saturday	31 st January 2026	55	52	53
Sunday	1 st February 2026	59	49	47
Monday	2 nd February 2026	56	53	51
Tuesday	3 rd February 2026	69	51	54
Wednesday	4 th February 2026	61	-	45

Table 14.2-25: Total Ambient Sound Levels at NML12 and ABC Categories

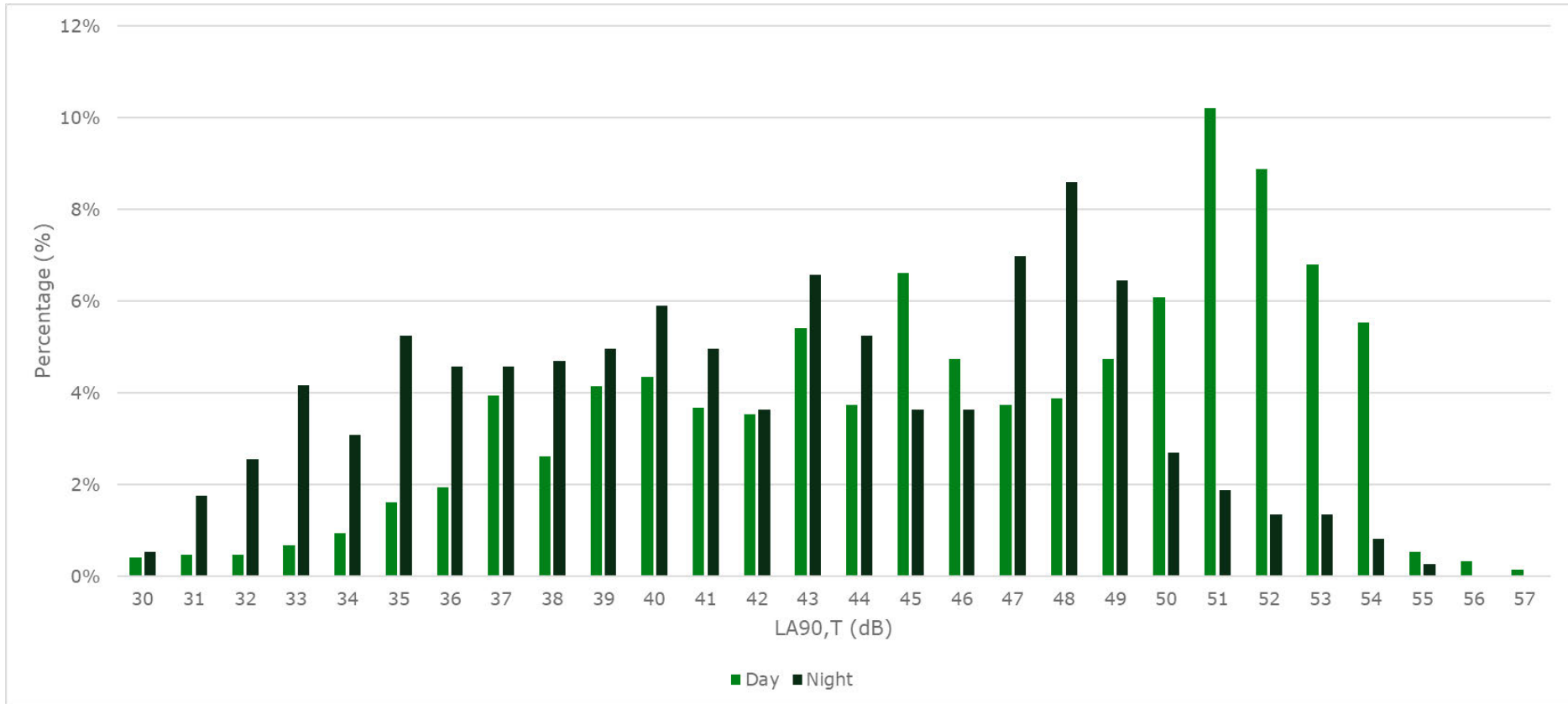
Period		Total Ambient Sound Level [dB LAeq,T]	ABC Category
Daytime	T=12hr, Weekdays, 07:00-19:00; T=6hr, Saturday, 07:00-13:00	55	A

ENVIRONMENTAL STATEMENT

Period		Total Ambient Sound Level [dB LAeq,T]	ABC Category
Evenings and weekends	T=4hr, Weekdays 19:00–23:00; T=10hr, Saturdays 13:00-23:00; T=16hr, Sundays 07:00-23:00	52	A
Night-time	T=8hr, Every day 23:00-07:00	50	C

ENVIRONMENTAL STATEMENT

Plate 14.2-32: Distribution of Background Sound Levels During the Day (07:00-23:00) and Night (23:00-07:00) at NML12



NML13 – Aughton Lane, Aston, S26 2AJ

- 14.2.100 Noise monitoring was conducted between 13th August and 20th August 2025.
- 14.2.101 **Plate 14.2-33** presents the monitoring equipment setup at NML13.
- 14.2.102 **Plate 14.2-34** presents the 15-minute sound measurements logged over the survey period.
- 14.2.103 **Table 14.2-26** presents the daytime, evening, and night-time measured $L_{Aeq,T}$.
- 14.2.104 **Table 14.2-27** presents the total daytime, evenings and weekends, and night-time measured $L_{Aeq,T}$ and corresponding ABC categories in accordance with BS 5228-1.
- 14.2.105 **Plate 14.2-35** presents the distribution of background $L_{A90,15min}$ sound levels over the day and night-time throughout the survey period. The adopted daytime and night-time $L_{A90,T}$ are 39dB and 32dB respectively for assessment locations represented by NML13.

Plate 14.2-33: Photos of Equipment at NML13



ENVIRONMENTAL STATEMENT

Plate 14.2-34: Noise Monitoring Results at NML13

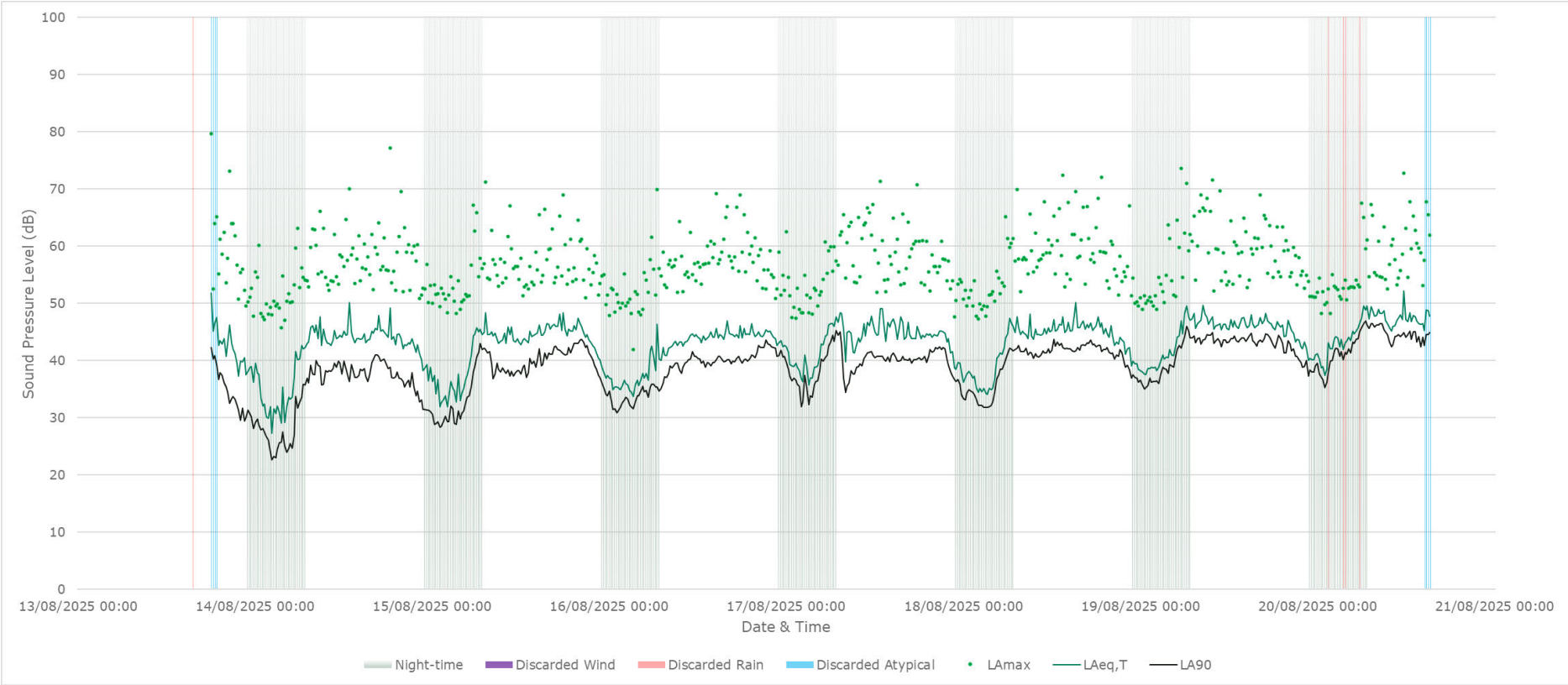


Table 14.2-26: Measured Ambient Sound Levels at NML13

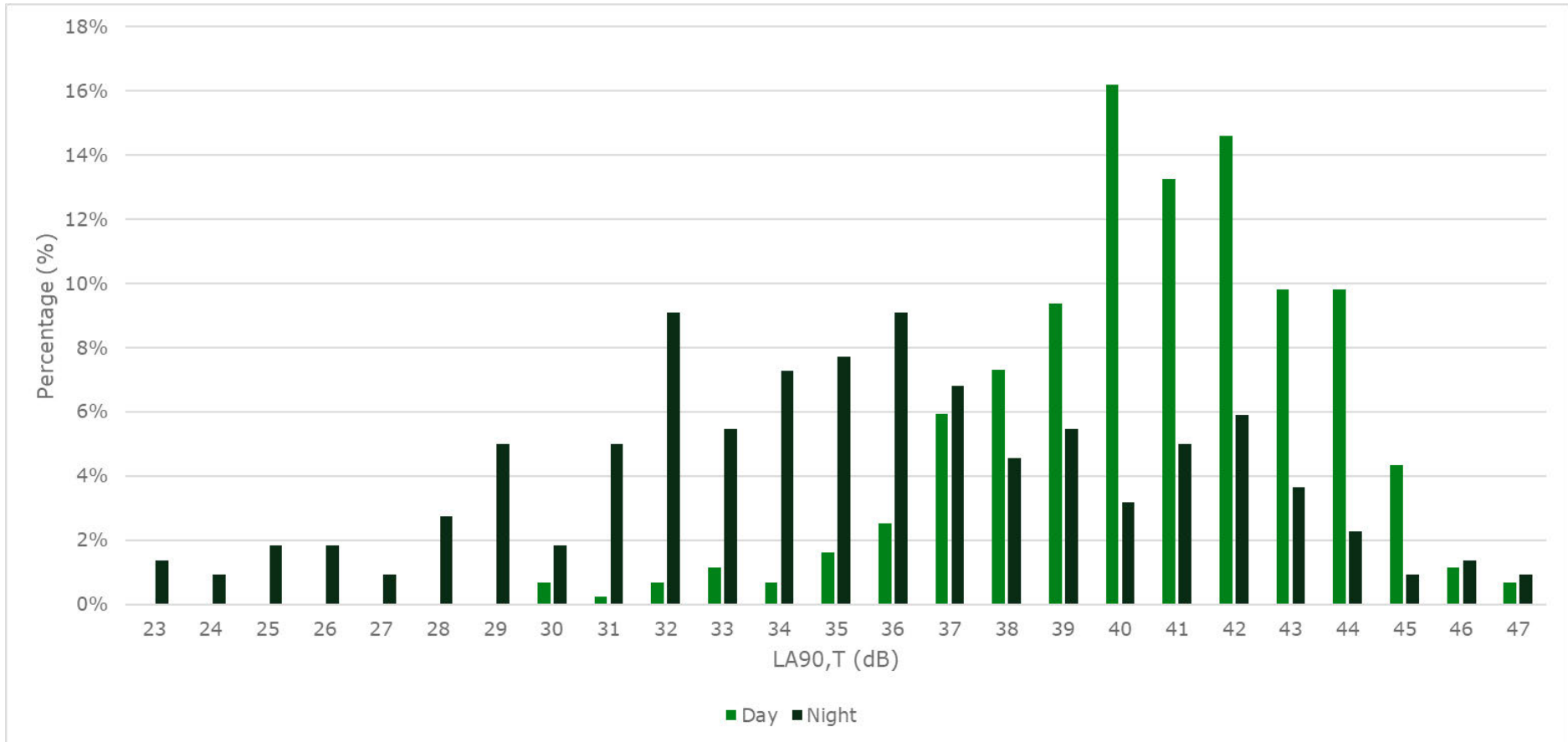
Day	Date	Ambient Sound Level [dB L _{Aeq,T}]		
		Daytime	Evening	Night-time
Wednesday	13 th August 2025	52	45	41
Thursday	14 th August 2025	48	46	40
Friday	15 th August 2025	48	47	43
Saturday	16 th August 2025	47	48	42
Sunday	17 th August 2025	49	47	45
Monday	18 th August 2025	49	47	44
Tuesday	19 th August 2025	50	47	46
Wednesday	20 th August 2025	51	-	48

Table 14.2-27: Total Ambient Sound Levels at NML13 and ABC Categories

Period		Total Ambient Sound Level [dB L _{Aeq,T}]	ABC Category
Daytime	T=12hr, Weekdays, 07:00-19:00; T=6hr, Saturday, 07:00-13:00	49	A
Evenings and weekends	T=4hr, Weekdays 19:00–23:00; T=10hr, Saturdays 13:00-23:00; T=16hr, Sundays 07:00-23:00	47	A
Night-time	T=8hr, Every day 23:00-07:00	44	B

ENVIRONMENTAL STATEMENT

Plate 14.2-35: Distribution of Background Sound Levels During the Day (07:00-23:00) and Night (23:00-07:00) at NML13



NML14 – Morthen Lane, Upper Whiston, S60 4NG

- 14.2.106 Noise monitoring was conducted between 31st July and 12th August 2025, and between 20th January and 4th February 2026.
- 14.2.107 **Plate 14.2-36** presents the monitoring equipment setup at NML14 between 31st July and 12th August 2025.
- 14.2.108 **Plate 14.2-37** presents the monitoring equipment setup at NML14 between 20th January and 4th February 2026.
- 14.2.109 **Plate 14.2-38** presents the 15-minute sound measurements logged over the survey period between 31st July and 12th August 2026.
- 14.2.110 **Plate 14.2-39** presents the 15-minute sound measurements logged over the survey period between 20th January and 4th February 2026.
- 14.2.111 **Table 14.2-28** presents the daytime, evening, and night-time measured $L_{Aeq,T}$.
- 14.2.112 **Table 14.2-29** presents the total daytime, evenings and weekends, and night-time measured $L_{Aeq,T}$ and corresponding ABC categories in accordance with BS 5228-1.
- 14.2.113 **Plate 14.2-40** presents the distribution of background $L_{A90,15min}$ sound levels over the day and night-time throughout the survey period. The adopted daytime and night-time $L_{A90,T}$ are 54dB and 46dB respectively for assessment locations represented by NML14.

Plate 14.2-36: Photos of Equipment at NML14 - 2025

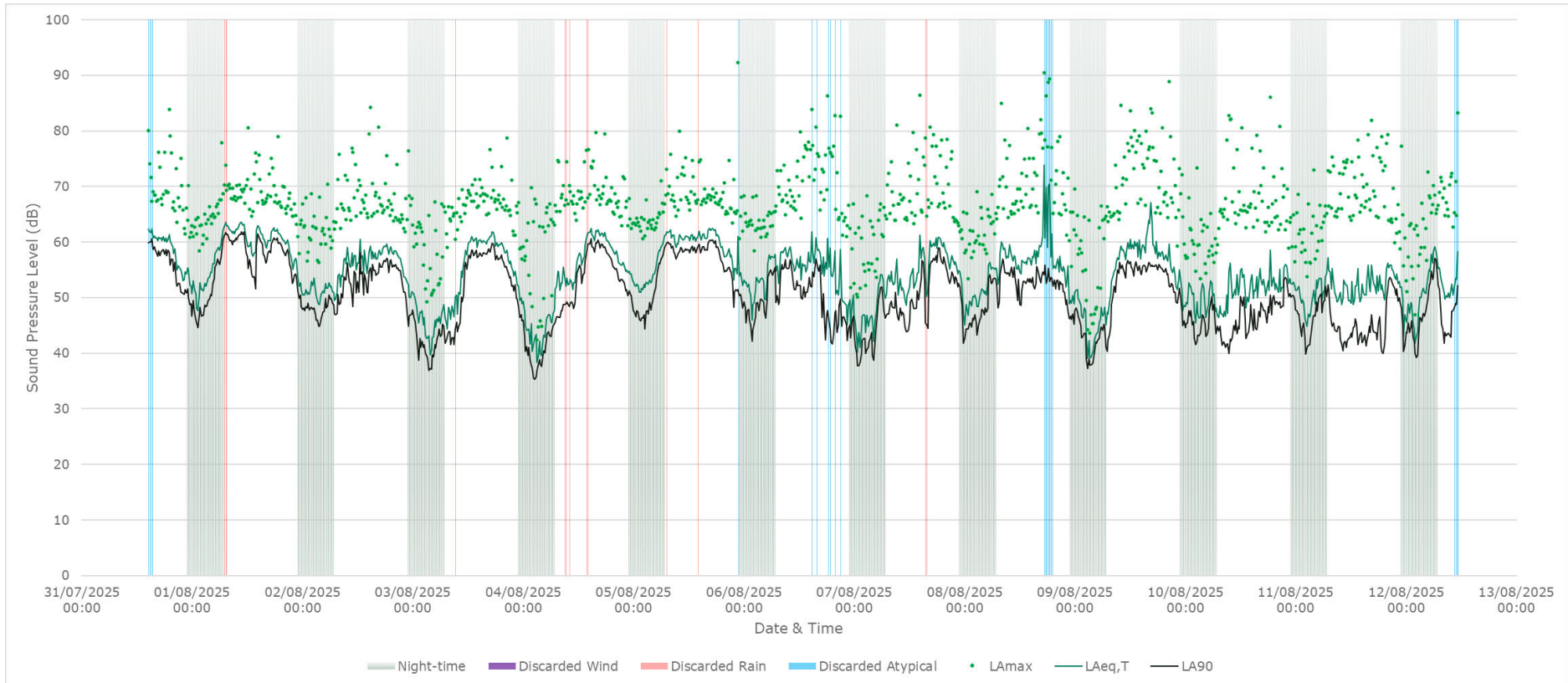


Plate 14.2-37: Photos of Equipment at NML14 - 2026



ENVIRONMENTAL STATEMENT

Plate 14.2-38: Noise Monitoring Results at NML14 - 2025



ENVIRONMENTAL STATEMENT

Plate 14.2-39: Noise Monitoring Results at NML14 - 2026

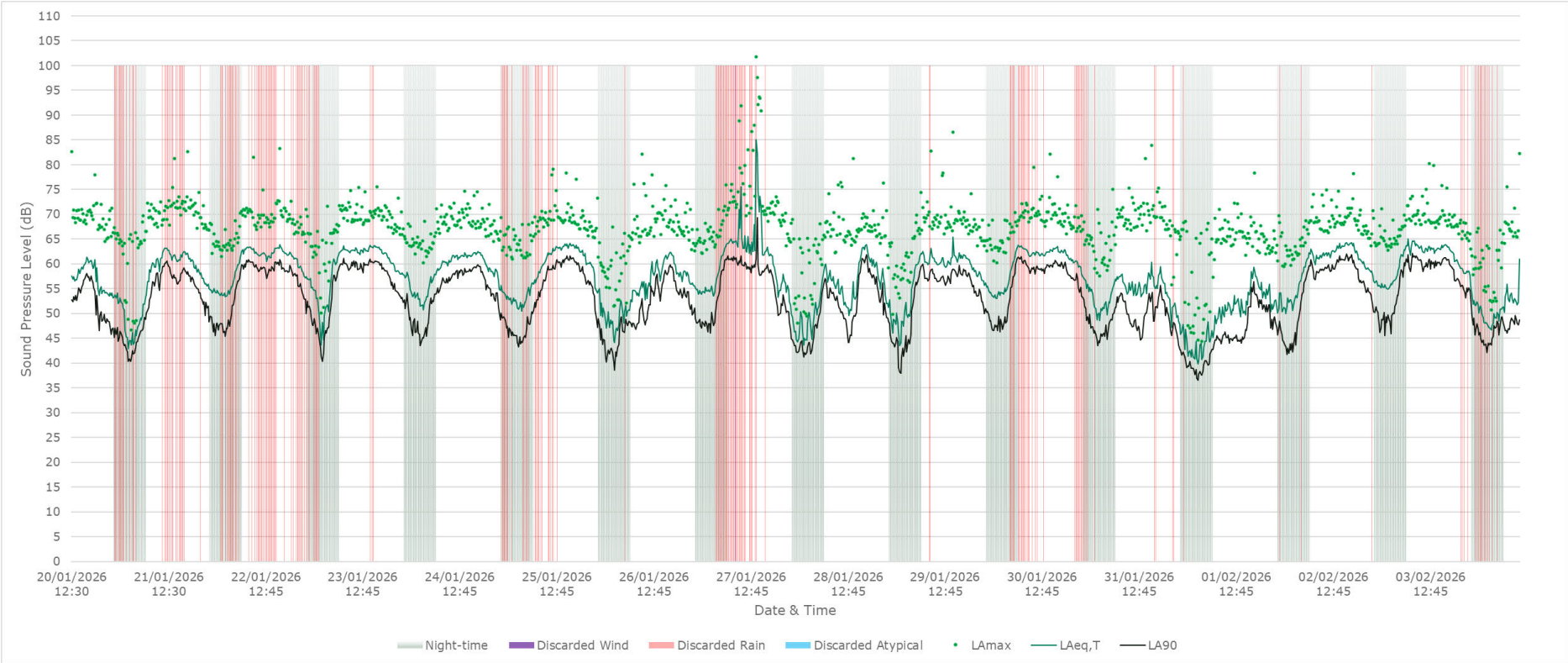


Table 14.2-28: Measured Ambient Sound Levels at NML14

Day	Date	Ambient Sound Level [dB LAeq,T]		
		Daytime	Evening	Night-time
Thursday	31 st July 2025	64	60	57
Friday	1 st August 2025	65	62	59
Saturday	2 nd August 2025	60	60	54
Sunday	3 rd August 2025	62	60	50
Monday	4 th August 2025	62	60	51
Tuesday	5 th August 2025	64	61	58
Wednesday	6 th August 2025	60	56	57
Thursday	7 th August 2025	59	60	52
Friday	8 th August 2025	60	59	55
Saturday	9 th August 2025	62	59	51
Sunday	10 th August 2025	55	57	53
Monday	11 th August 2025	55	57	54
Tuesday	12 th August 2025	56	-	56
Tuesday	20 th January 2026	62	57	57
Wednesday	21 st January 2026	64	61	54
Thursday	22 nd January 2026	66	63	61
Friday	23 rd January 2026	66	62	60
Saturday	24 th January 2026	64	61	58
Sunday	25 th January 2026	66	63	56
Monday	26 th January 2026	62	60	54
Tuesday	27 th January 2026	74	58	57
Wednesday	28 th January 2026	62	61	54
Thursday	29 th January 2026	64	61	59
Friday	30 th January 2026	65	64	60
Saturday	31 st January 2026	59	55	56
Sunday	01 st February 2026	56	57	49
Monday	2 nd February 2026	66	63	59
Tuesday	3 rd February 2026	66	62	61
Wednesday	4 th February 2026	57	-	53

Table 14.2-29: Total Ambient Sound Levels at NML14 and ABC Categories

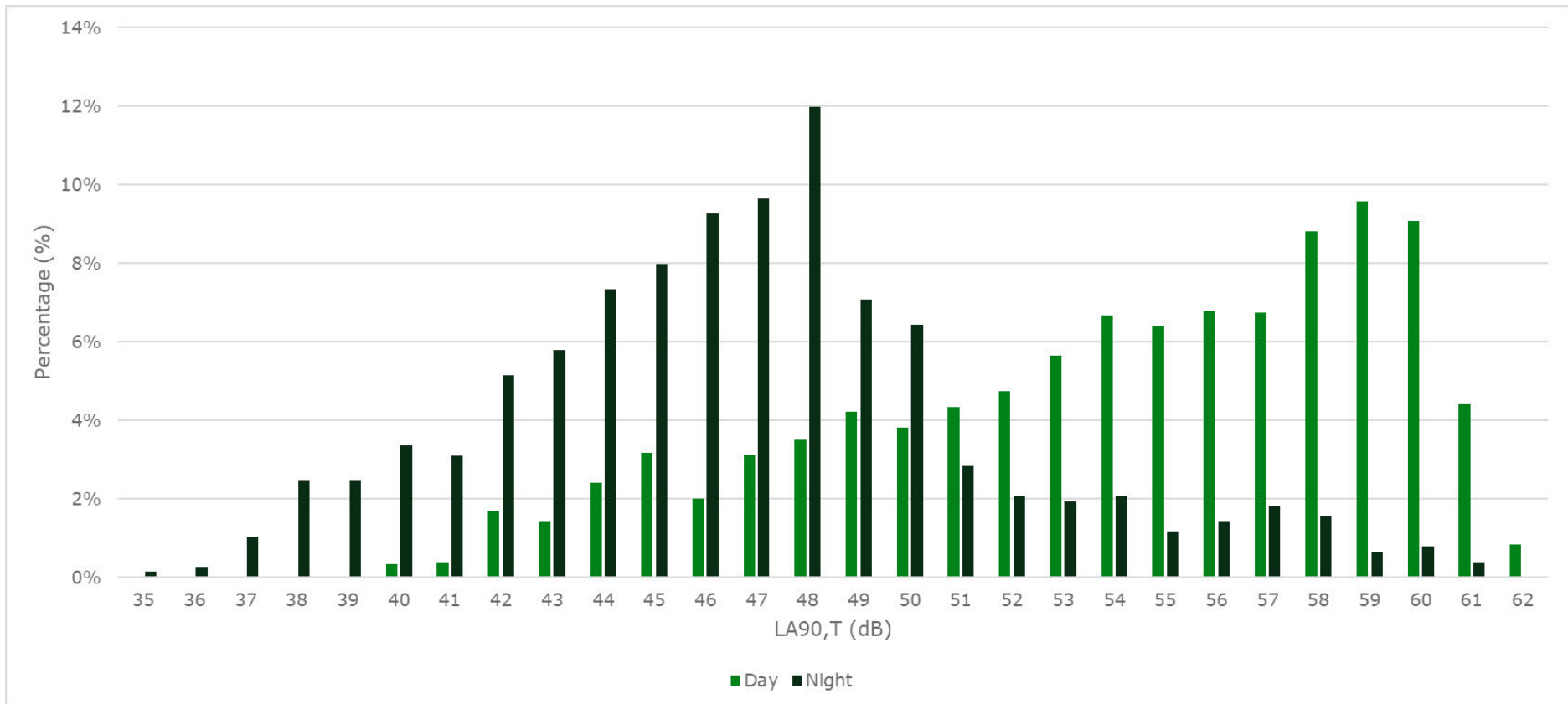
Period		Total Ambient Sound Level [dB LAeq,T]	ABC Category
Daytime	T=12hr, Weekdays, 07:00-19:00; T=6hr, Saturday, 07:00-13:00	64	B

ENVIRONMENTAL STATEMENT

Period		Total Ambient Sound Level [dB LAeq,T]	ABC Category
Evenings and weekends	T=4hr, Weekdays 19:00–23:00; T=10hr, Saturdays 13:00-23:00; T=16hr, Sundays 07:00-23:00	61	C
Night-time	T=8hr, Every day 23:00-07:00	57	C

ENVIRONMENTAL STATEMENT

Plate 14.2-40: Distribution of Background Sound Levels During the Day (07:00-23:00) and Night (23:00-07:00) at NML14



NML15a – Pleasley Road, Whiston, S60 4NE

- 14.2.114 Noise monitoring was conducted between 07th August and 20th August 2025
- 14.2.115 **Plate 14.2-41** presents the monitoring equipment setup at NML15a.
- 14.2.116 **Plate 14.2-42** presents the 15-minute sound measurements logged over the survey period.
- 14.2.117 **Table 14.2-30** presents the daytime, evening, and night-time measured $L_{Aeq,T}$.
- 14.2.118 **Table 14.2-31** presents the total daytime, evenings and weekends, and night-time measured $L_{Aeq,T}$ and corresponding ABC categories in accordance with BS 5228-1.
- 14.2.119 **Plate 14.2-43** presents the distribution of background $L_{A90,15min}$ sound levels over the day and night-time throughout the survey period. The adopted daytime and night-time $L_{A90,T}$ are 42dB and 37dB respectively for assessment locations represented by NML15.

Plate 14.2-41: Photos of Equipment at NML15a



ENVIRONMENTAL STATEMENT

Plate 14.2-42: Noise Monitoring Results at NML15a

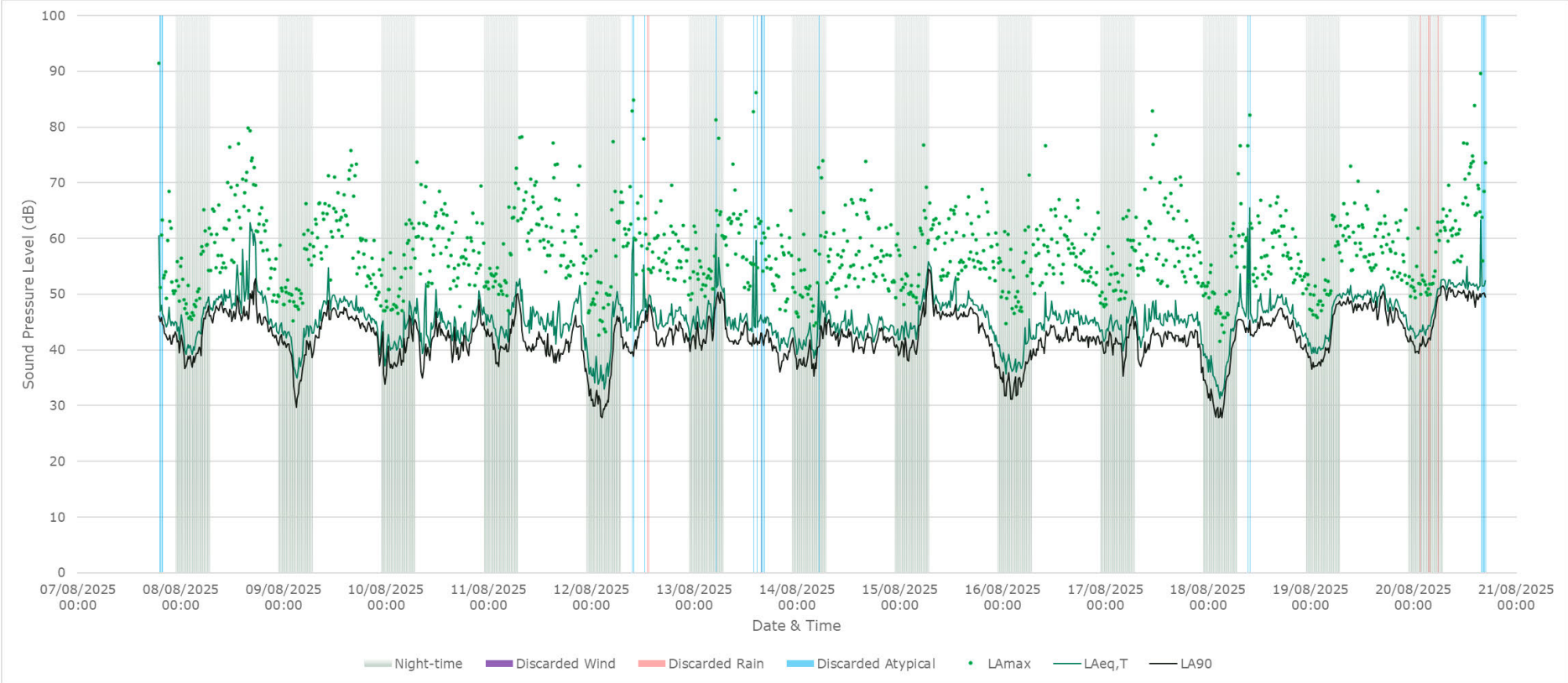


Table 14.2-30: Measured Ambient Sound Levels at NML15a

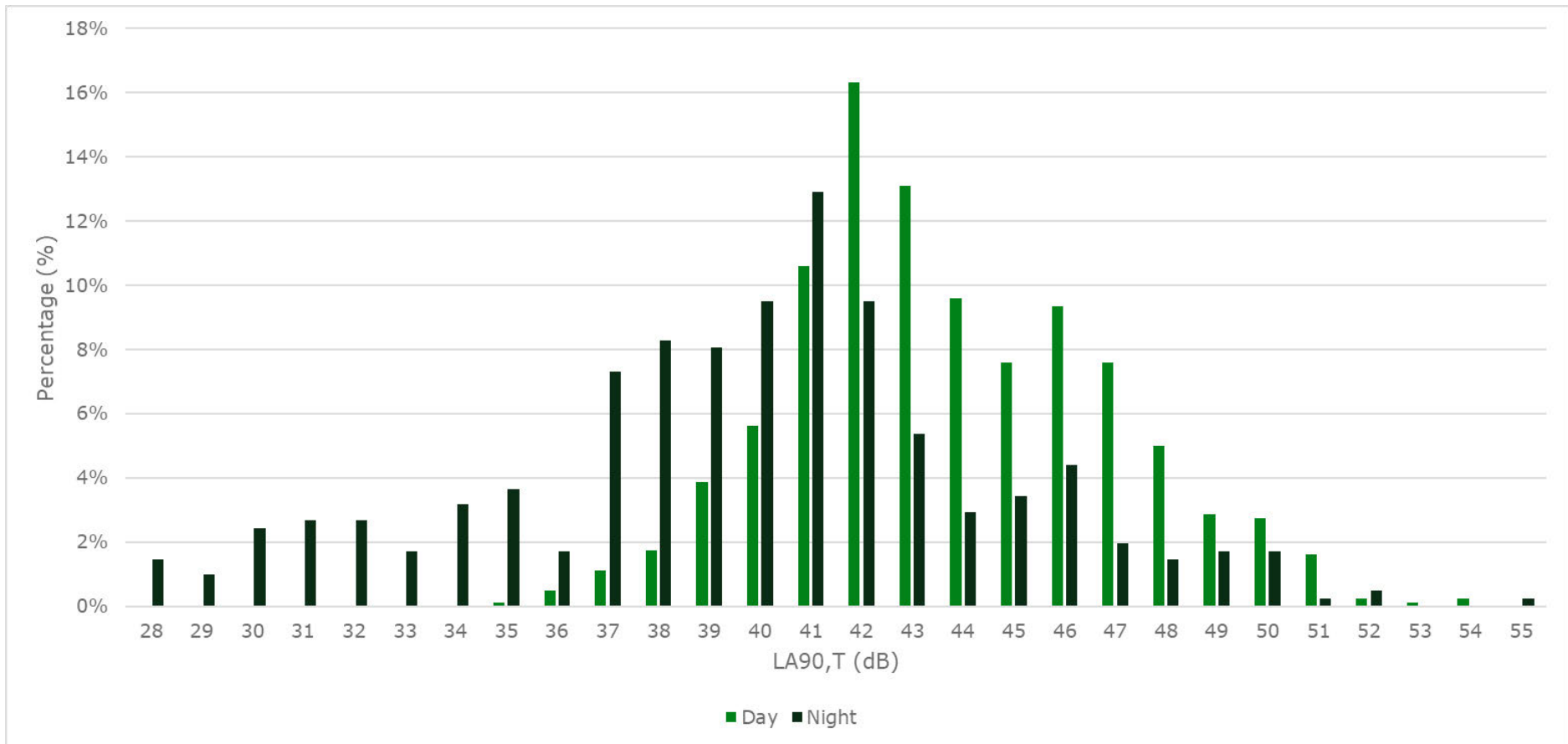
Day	Date	Ambient Sound Level [dB LAeq,T]		
		Daytime	Evening	Night-time
Thursday	7 th August 2025	-	48	47
Friday	8 th August 2025	57	50	48
Saturday	9 th August 2025	51	48	45
Sunday	10 th August 2025	48	50	47
Monday	11 th August 2025	49	50	49
Tuesday	12 th August 2025	49	49	47
Wednesday	13 th August 2025	48	45	52
Thursday	14 th August 2025	47	47	47
Friday	15 th August 2025	52	48	51
Saturday	16 th August 2025	49	48	43
Sunday	17 th August 2025	49	48	48
Monday	18 th August 2025	51	48	43
Tuesday	19 th August 2025	53	50	48
Wednesday	20 th August 2025	55	-	50

Table 14.2-31: Total Ambient Sound Levels at NML15a and ABC Categories

Period		Total Ambient Sound Level [dB LAeq,T]	ABC Category
Daytime	T=12hr, Weekdays, 07:00-19:00; T=6hr, Saturday, 07:00-13:00	52	A
Evenings and weekends	T=4hr, Weekdays 19:00–23:00; T=10hr, Saturdays 13:00-23:00; T=16hr, Sundays 07:00-23:00	49	A
Night-time	T=8hr, Every day 23:00-07:00	48	C

ENVIRONMENTAL STATEMENT

Plate 14.2-43: Distribution of Background Sound Levels During the Day (07:00-23:00) and Night (23:00-07:00) at NML15



NML15b – Pleasley Road, Whiston, S60 4NE

- 14.2.120 Noise monitoring was conducted between 21st January and 3rd February 2026.
- 14.2.121 **Plate 14.2-44** presents the monitoring equipment setup at NML15b.
- 14.2.122 **Plate 14.2-45** presents the 15-minute sound measurements logged over the survey period.
- 14.2.123 **Table 14.2-32** presents the daytime, evening, and night-time measured $L_{Aeq,T}$.
- 14.2.124 **Table 14.2-33** presents the total daytime, evenings and weekends, and night-time measured $L_{Aeq,T}$ and corresponding ABC categories in accordance with BS 5228-1.
- 14.2.125 **Plate 14.2-46** presents the distribution of background $L_{A90,15min}$ sound levels over the day and night-time throughout the survey period. The adopted daytime and night-time $L_{A90,T}$ are 52dB and 41dB respectively for assessment locations represented by NML15.

Plate 14.2-44: Photos of Equipment at NML15b



ENVIRONMENTAL STATEMENT

Plate 14.2-45: Noise Monitoring Results at NML15b

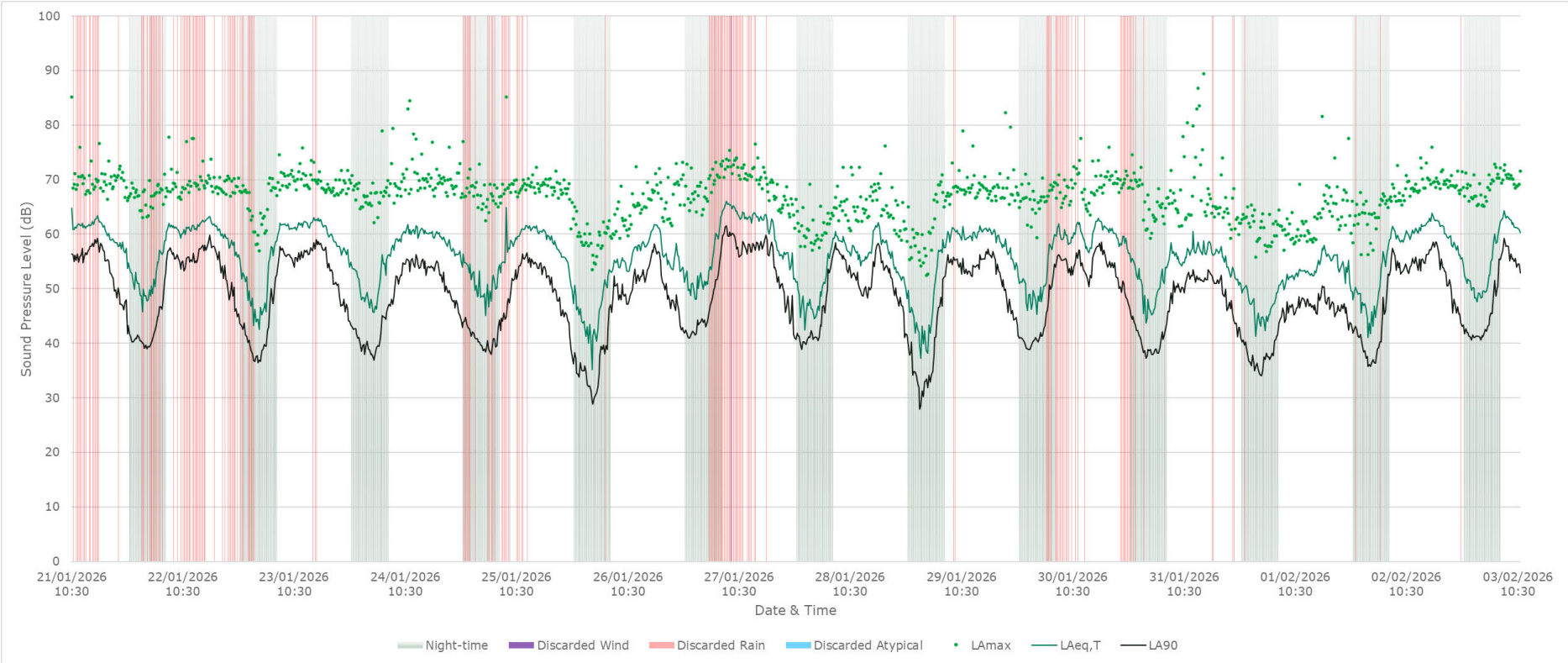


Table 14.2-32: Measured Ambient Sound Levels at NML15b

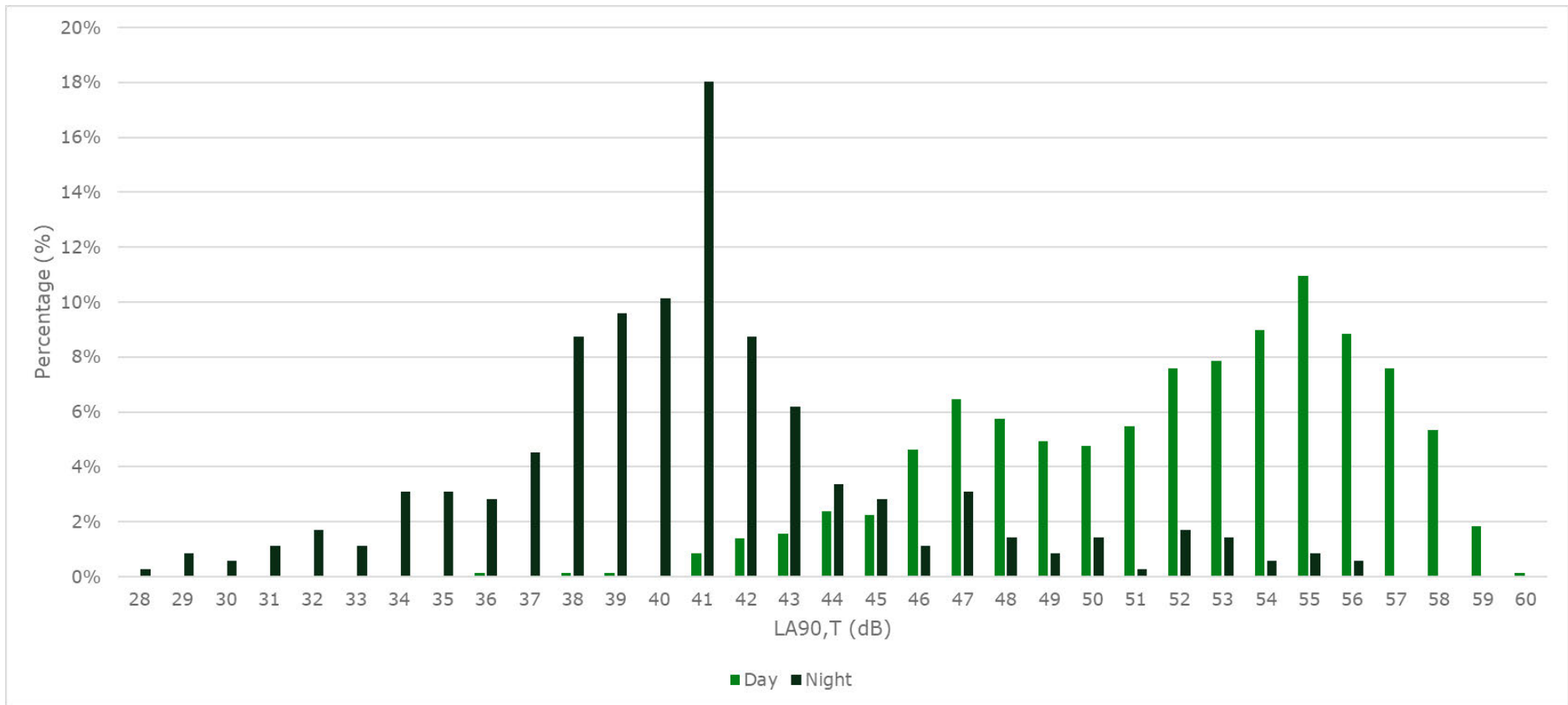
Day	Date	Ambient Sound Level [dB LAeq,T]		
		Daytime	Evening	Night-time
Wednesday	21 st January 2026	65	61	56
Thursday	22 nd January 2026	64	61	57
Friday	23 rd January 2026	65	60	57
Saturday	24 th January 2026	63	60	54
Sunday	25 th January 2026	63	58	54
Monday	26 th January 2026	61	58	51
Tuesday	27 th January 2026	65	58	53
Wednesday	28 th January 2026	61	57	55
Thursday	29 th January 2026	63	60	55
Friday	30 th January 2026	64	63	56
Saturday	31 st January 2026	60	56	53
Sunday	01 st February 2026	57	57	50
Monday	02 nd February 2026	64	61	55
Tuesday	03 rd February 2026	65	-	58

Table 14.2-33: Total Ambient Sound Levels at NML15b and ABC Categories

Period		Total Ambient Sound Level [dB LAeq,T]	ABC Category
Daytime	T=12hr, Weekdays, 07:00-19:00; T=6hr, Saturday, 07:00-13:00	63	B
Evenings and weekends	T=4hr, Weekdays 19:00–23:00; T=10hr, Saturdays 13:00-23:00; T=16hr, Sundays 07:00-23:00	60	C
Night-time	T=8hr, Every day 23:00-07:00	55	C

ENVIRONMENTAL STATEMENT

Plate 14.2-46: Distribution of Background Sound Levels During the Day (07:00-23:00) and Night (23:00-07:00) at NML15b



NML17 – Park Lane, Conisbrough Parks, DN12 2BB

- 14.2.126 Noise monitoring was conducted between 31st July and 12th August 2025.
- 14.2.127 **Plate 14.2-47** presents the monitoring equipment setup at NML17.
- 14.2.128 **Plate 14.2-48** presents the 15-minute sound measurements logged over the survey period.
- 14.2.129 **Table 14.2-34** presents the daytime, evening, and night-time measured $L_{Aeq,T}$.
- 14.2.130 **Table 14.2-35** presents the total daytime, evenings and weekends, and night-time measured $L_{Aeq,T}$ and corresponding ABC categories in accordance with BS 5228-1.
- 14.2.131 **Plate 14.2-49** presents the distribution of background $L_{A90,15min}$ sound levels over the day and night-time throughout the survey period. The adopted daytime and night-time $L_{A90,T}$ are 33dB and 23dB respectively for assessment locations represented by NML17.

Plate 14.2-47: Photos of Equipment at NML17



ENVIRONMENTAL STATEMENT

Plate 14.2-48: Noise Monitoring Results at NML17

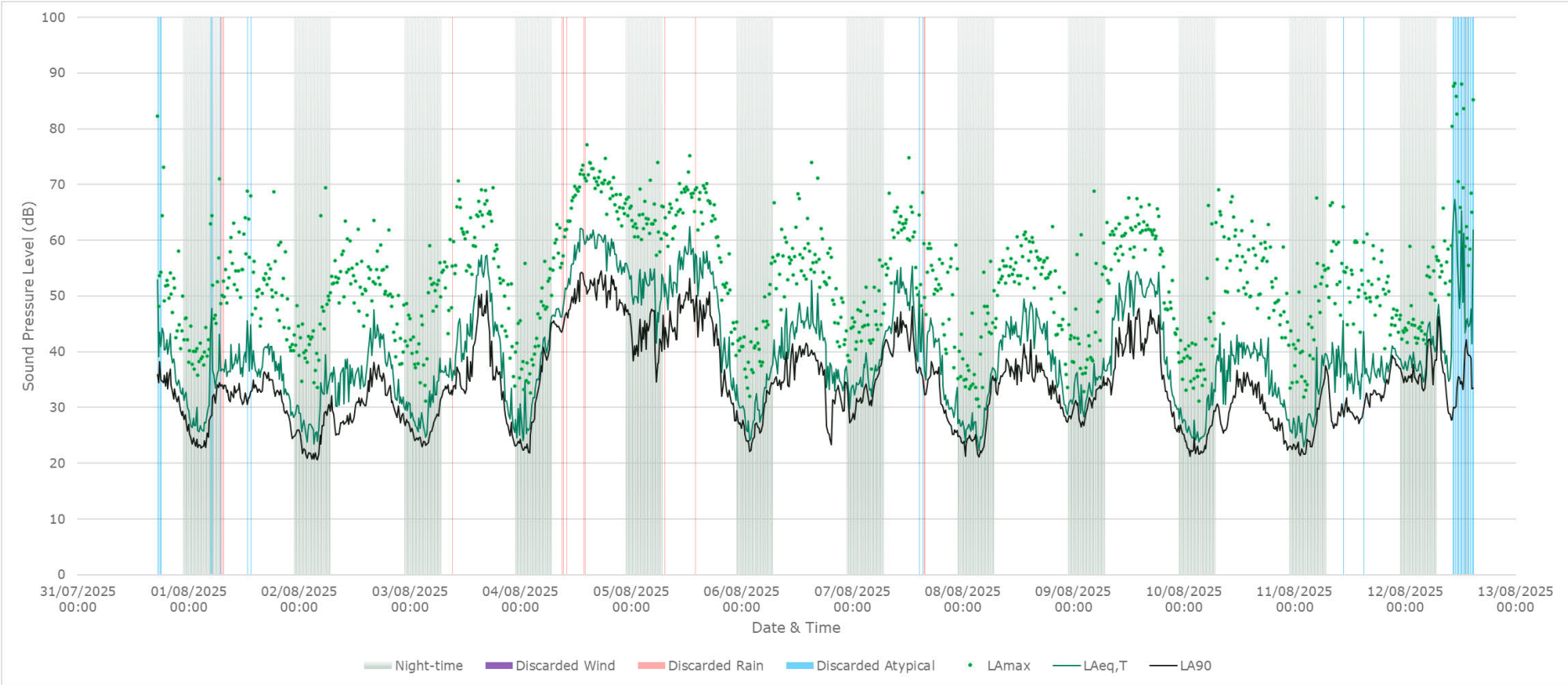


Table 14.2-34: Measured Ambient Sound Levels at NML17

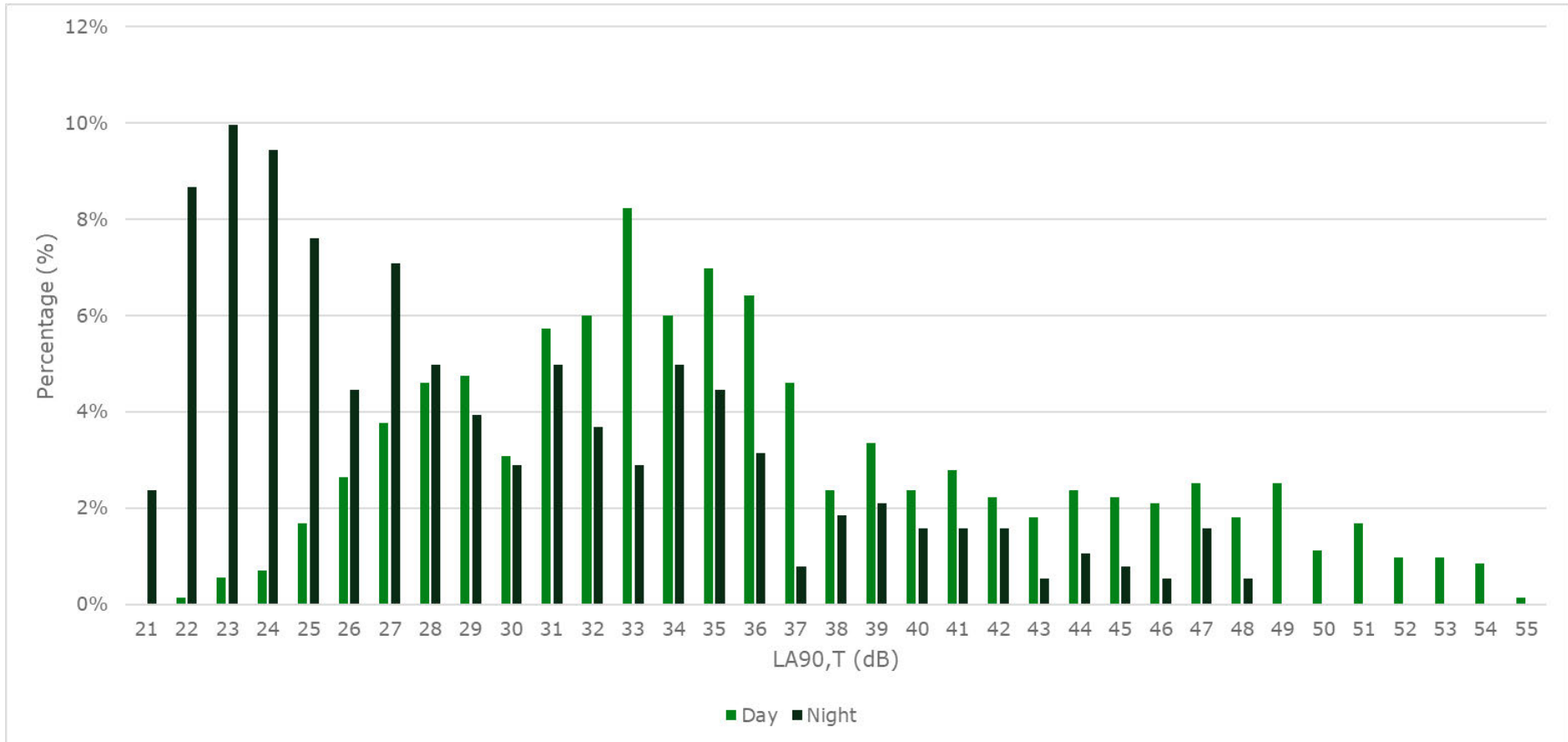
Day	Date	Ambient Sound Level [dB LAeq,T]		
		Daytime	Evening	Night-time
Thursday	31 st July 2025	46	42	35
Friday	1 st August 2025	42	38	34
Saturday	2 nd August 2025	43	39	34
Sunday	3 rd August 2025	53	41	34
Monday	4 th August 2025	62	60	49
Tuesday	5 th August 2025	59	44	54
Wednesday	6 th August 2025	48	39	35
Thursday	7 th August 2025	52	37	39
Friday	8 th August 2025	48	39	34
Saturday	9 th August 2025	54	42	37
Sunday	10 th August 2025	43	35	31
Monday	11 th August 2025	40	42	37
Tuesday	12 th August 2025	45	-	43

Table 14.2-35: Total Ambient Sound Levels at NML17 and ABC Categories

Period		Total Ambient Sound Level [dB LAeq,T]	ABC Category
Daytime	T=12hr, Weekdays, 07:00-19:00; T=6hr, Saturday, 07:00-13:00	55	A
Evenings and weekends	T=4hr, Weekdays 19:00–23:00; T=10hr, Saturdays 13:00-23:00; T=16hr, Sundays 07:00-23:00	51	A
Night-time	T=8hr, Every day 23:00-07:00	45	B

ENVIRONMENTAL STATEMENT

Plate 14.2-49: Distribution of Background Sound Levels During the Day (07:00-23:00) and Night (23:00-07:00) at NML17



NML18 – 3 Cherry Grove DN12 2JS

- 14.2.132 Noise monitoring was conducted between 20th January and 4th February 2025.
- 14.2.133 **Plate 14.2-50** presents the monitoring equipment setup at NML18.
- 14.2.134 **Plate 14.2-51** presents the 15-minute sound measurements logged over the survey period.
- 14.2.135 **Table 14.2-41** presents the daytime, evening, and night-time measured $L_{Aeq,T}$.
- 14.2.136 **Table 14.2-42** presents the total daytime, evenings and weekends, and night-time measured $L_{Aeq,T}$ and corresponding ABC categories in accordance with BS 5228-1.
- 14.2.137 **Plate 14.2-52** presents the distribution of background $L_{A90,15min}$ sound levels over the day and night-time throughout the survey period. This data has not been used to adopt representative daytime and night-time $L_{A90,T}$ values.

Plate 14.2-50: Photos of Equipment at NML18



ENVIRONMENTAL STATEMENT

Plate 14.2-51: Noise Monitoring Results at NML18

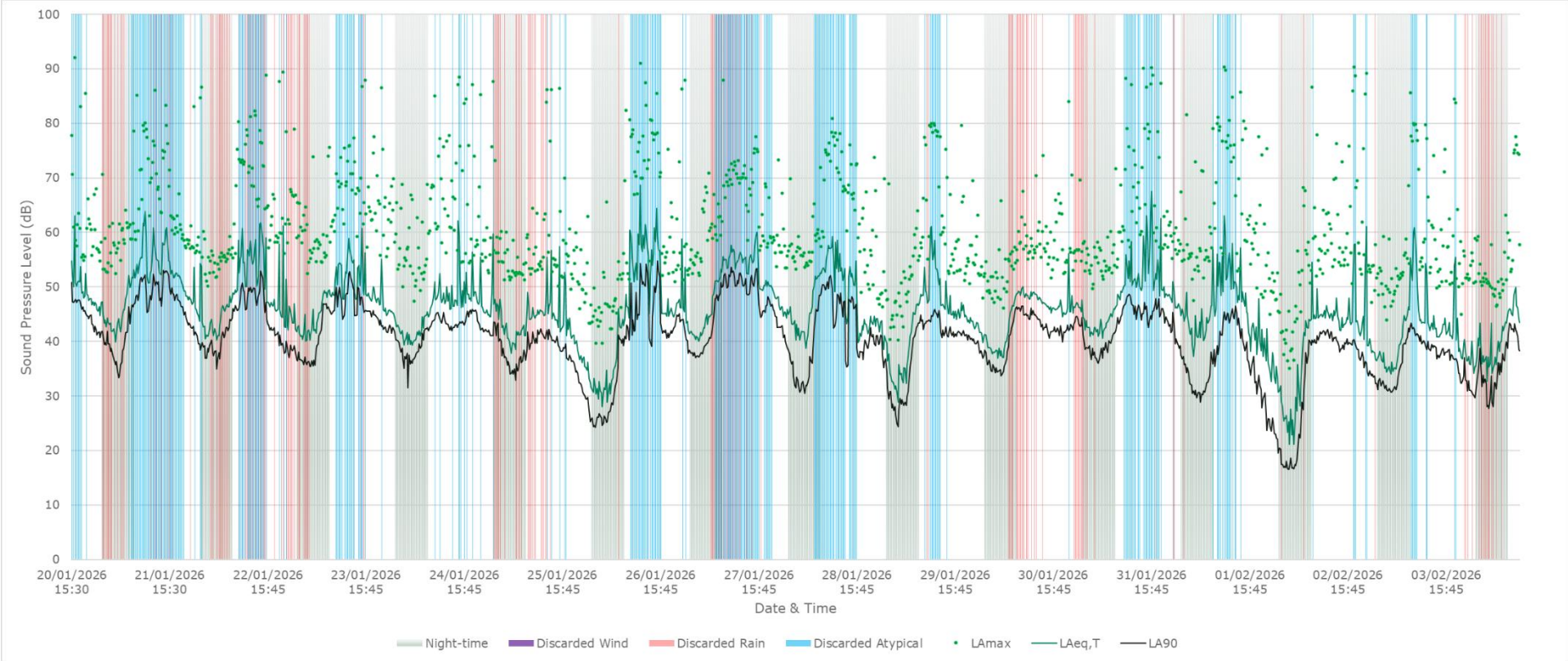


Table 14.2-36: Measured Ambient Sound Levels at NML18

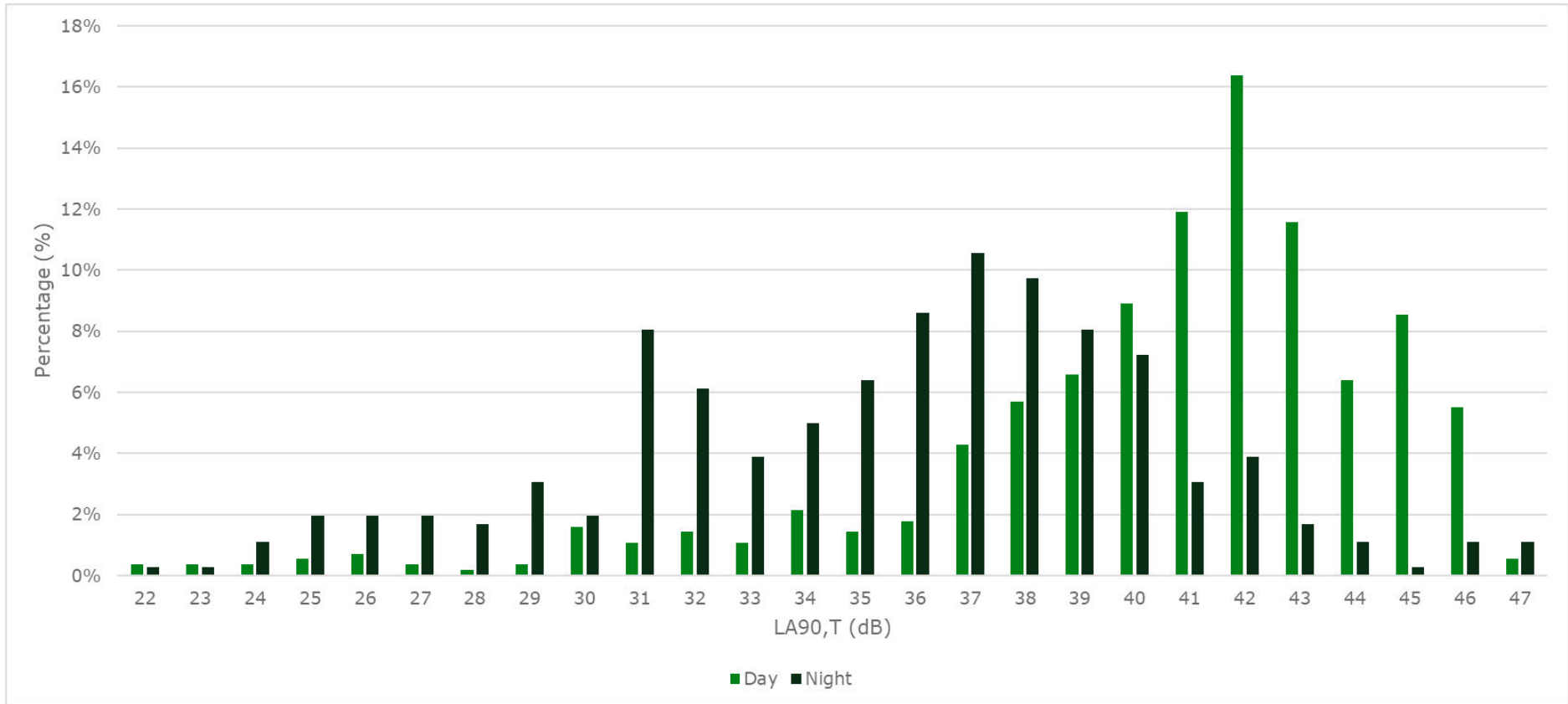
Day	Date	Ambient Sound Level [dB L _{Aeq,T}]		
		Daytime	Evening	Night-time
Tuesday	20 th January 2026	52	50	47
Wednesday	21 st January 2026	-	50	49
Thursday	22 nd January 2026	50	46	47
Friday	23 rd January 2026	51	49	49
Saturday	24 th January 2026	51	49	45
Sunday	25 th January 2026	47	40	44
Monday	26 th January 2026	49	49	42
Tuesday	27 th January 2026	53	50	46
Wednesday	28 th January 2026	47	46	46
Thursday	29 th January 2026	49	46	44
Friday	30 th January 2026	50	49	45
Saturday	31 st January 2026	52	51	46
Sunday	01 st February 2026	49	40	46
Monday	02 nd February 2026	48	43	41
Tuesday	03 rd February 2026	46	40	43
Wednesday	04 th February 2026	50	-	44

Table 14.2-37: Total Ambient Sound Levels at NML18 and ABC Categories

Period		Total Ambient Sound Level [dB L _{Aeq,T}]	ABC Category
Daytime	T=12hr, Weekdays, 07:00-19:00; T=6hr, Saturday, 07:00-13:00	49	A
Evenings and weekends	T=4hr, Weekdays 19:00–23:00; T=10hr, Saturdays 13:00-23:00; T=16hr, Sundays 07:00-23:00	48	A
Night-time	T=8hr, Every day 23:00-07:00	45	B

ENVIRONMENTAL STATEMENT

Plate 14.2-52: Distribution of Background Sound Levels During the Day (07:00-23:00) and Night (23:00-07:00) at NML18



NML19 – Treeton Lane, Aughton, S26 3XP

- 14.2.1 Noise monitoring was conducted between 14th August and 20th August 2025.
- 14.2.2 **Plate 14.2-53** presents the monitoring equipment setup at NML19.
- 14.2.3 **Plate 14.2-54** presents the 15-minute sound measurements logged over the survey period.
- 14.2.4 **Table 14.2-38** presents the daytime, evening, and night-time measured $L_{Aeq,T}$.
- 14.2.5 **Table 14.2-39** presents the total daytime, evenings and weekends, and night-time measured $L_{Aeq,T}$ and corresponding ABC categories in accordance with BS 5228-1.
- 14.2.6 **Plate 14.2-55** presents the distribution of background $L_{A90,15min}$ sound levels over the day and night-time throughout the survey period. The adopted daytime and night-time $L_{A90,T}$ are 36dB and 26dB respectively for assessment locations represented by NML19.

Plate 14.2-53: Photos of Equipment at NML19



ENVIRONMENTAL STATEMENT

Plate 14.2-54: Noise Monitoring Results at NML19

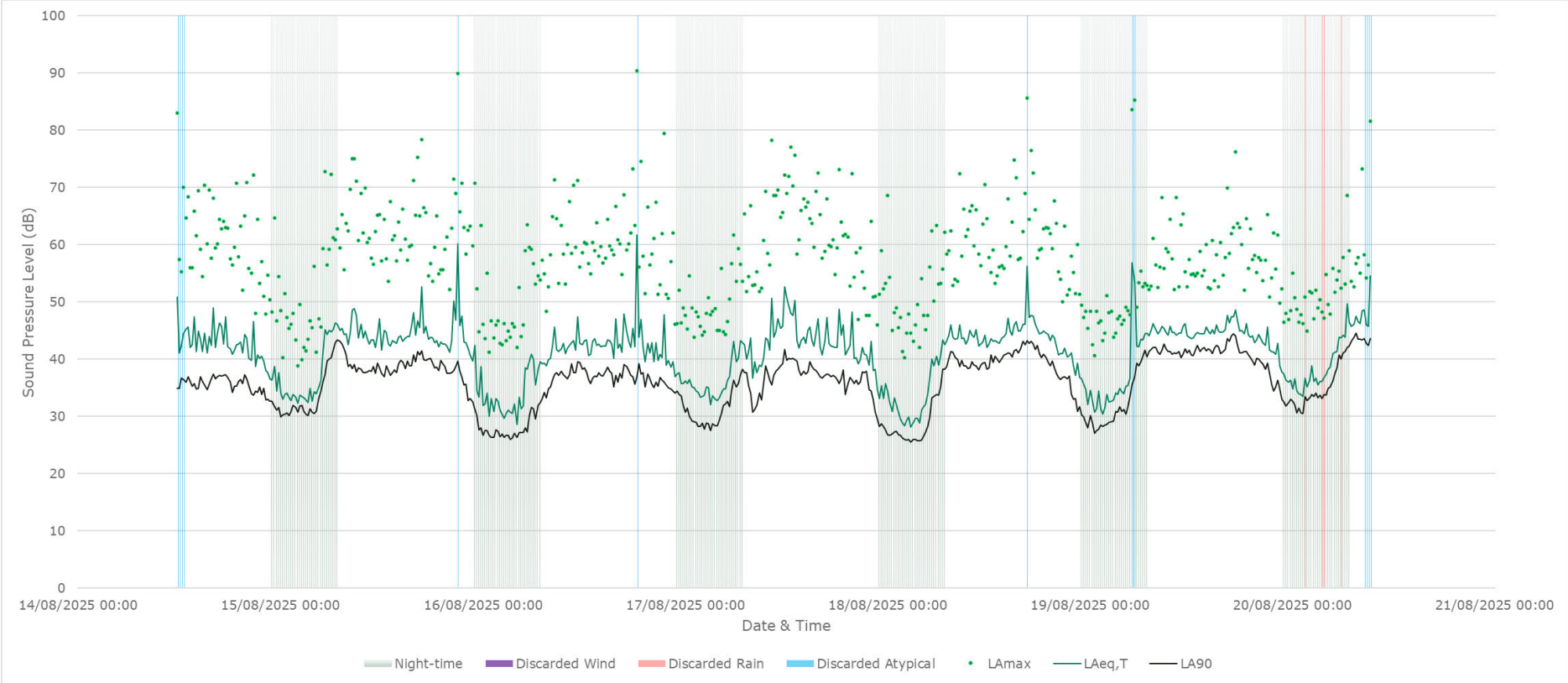


Table 14.2-38: Measured Ambient Sound Levels at NML19

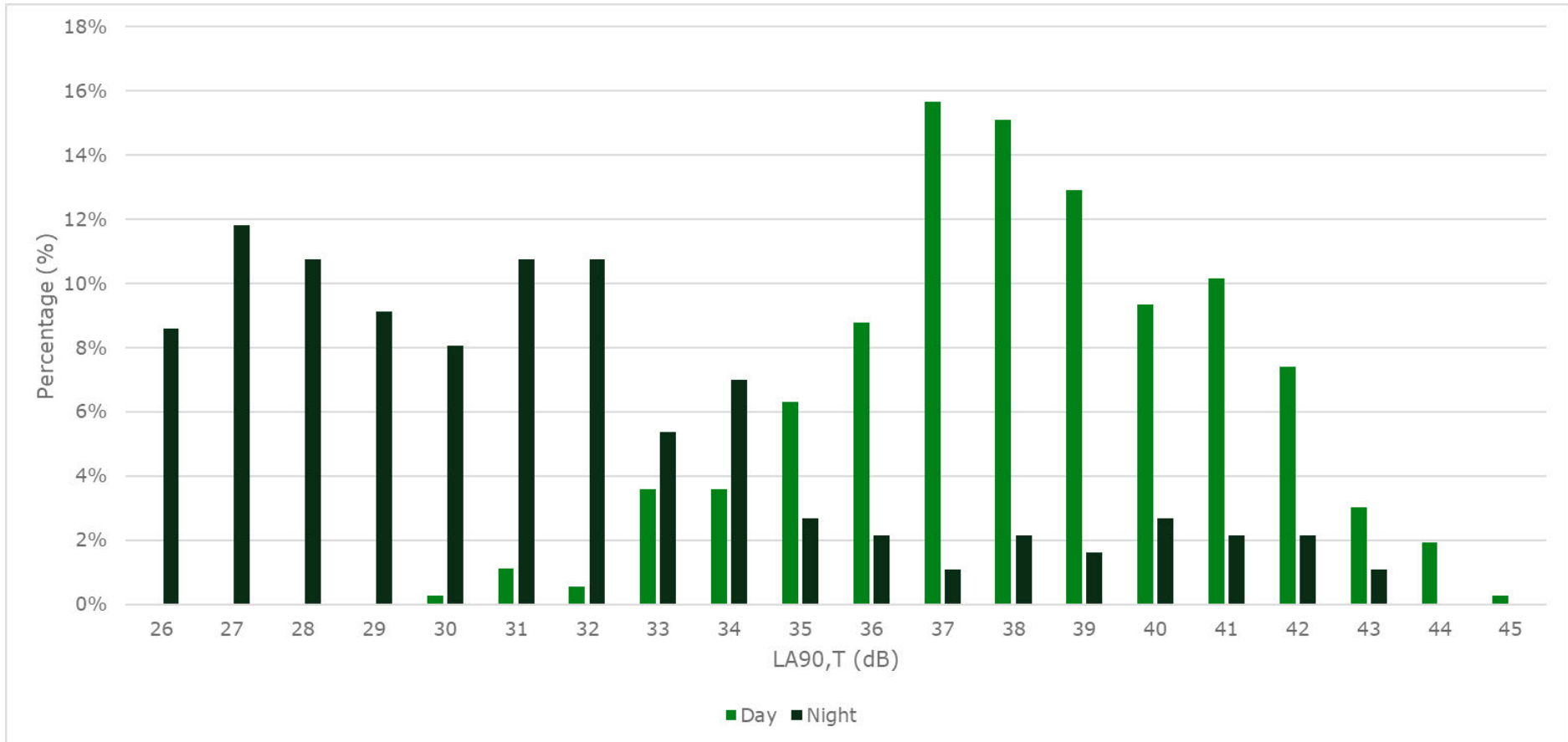
Day	Date	Ambient Sound Level [dB LAeq,T]		
		Daytime	Evening	Night-time
Thursday	14 th August 2025	47	45	40
Friday	15 th August 2025	48	48	43
Saturday	16 th August 2025	46	45	38
Sunday	17 th August 2025	48	45	40
Monday	18 th August 2025	48	45	39
Tuesday	19 th August 2025	48	46	41
Wednesday	20 th August 2025	50	-	44

Table 14.2-39: Total Ambient Sound Levels at NML19 and ABC Categories

Period		Total Ambient Sound Level [dB LAeq,T]	ABC Category
Daytime	T=12hr, Weekdays, 07:00-19:00; T=6hr, Saturday, 07:00-13:00	48	A
Evenings and weekends	T=4hr, Weekdays 19:00–23:00; T=10hr, Saturdays 13:00-23:00; T=16hr, Sundays 07:00-23:00	47	A
Night-time	T=8hr, Every day 23:00-07:00	41	A

ENVIRONMENTAL STATEMENT

Plate 14.2-55: Distribution of Background Sound Levels During the Day (07:00-23:00) and Night (23:00-07:00) at NML19



NML20 – Shorland Drive, Treeton, S60 5UN

- 14.2.7 Noise monitoring was conducted between 31st July and 12th August 2025.
- 14.2.8 **Plate 14.2-56** presents the monitoring equipment setup at NML20.
- 14.2.9 **Plate 14.2-57** presents the 15-minute sound measurements logged over the survey period.
- 14.2.10 **Table 14.2-40** presents the daytime, evening, and night-time measured $L_{Aeq,T}$.
- 14.2.11 **Table 14.2-41** presents the total daytime, evenings and weekends, and night-time measured $L_{Aeq,T}$ and corresponding ABC categories in accordance with BS 5228-1.
- 14.2.12 **Plate 14.2-58** presents the distribution of background $L_{A90,15min}$ sound levels over the day and night-time throughout the survey period. The adopted daytime and night-time $L_{A90,T}$ are 45dB and 39dB respectively for assessment locations represented by NML20.

Plate 14.2-56: Photos of Equipment at NML20



ENVIRONMENTAL STATEMENT

Plate 14.2-57: Noise Monitoring Results at NML20

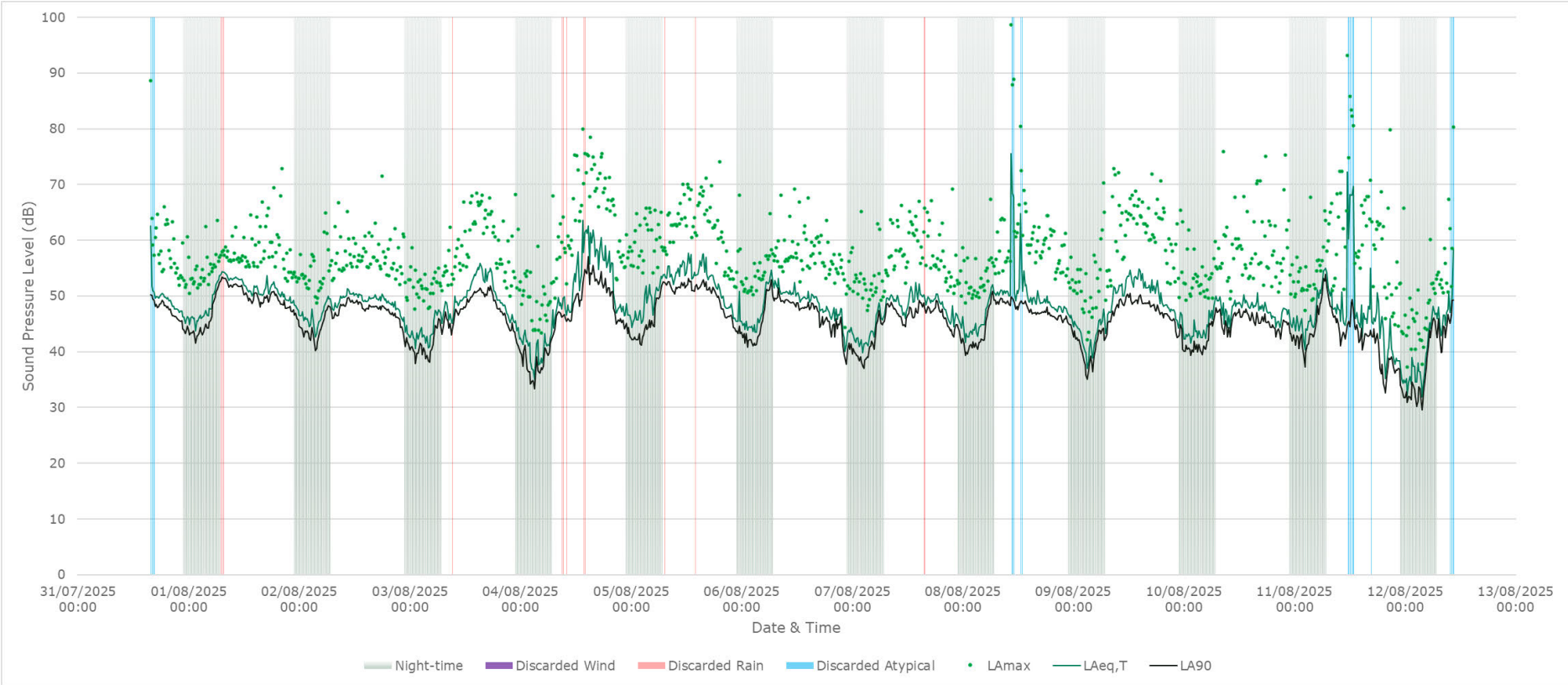


Table 14.2-40: Measured Ambient Sound Levels at NML20

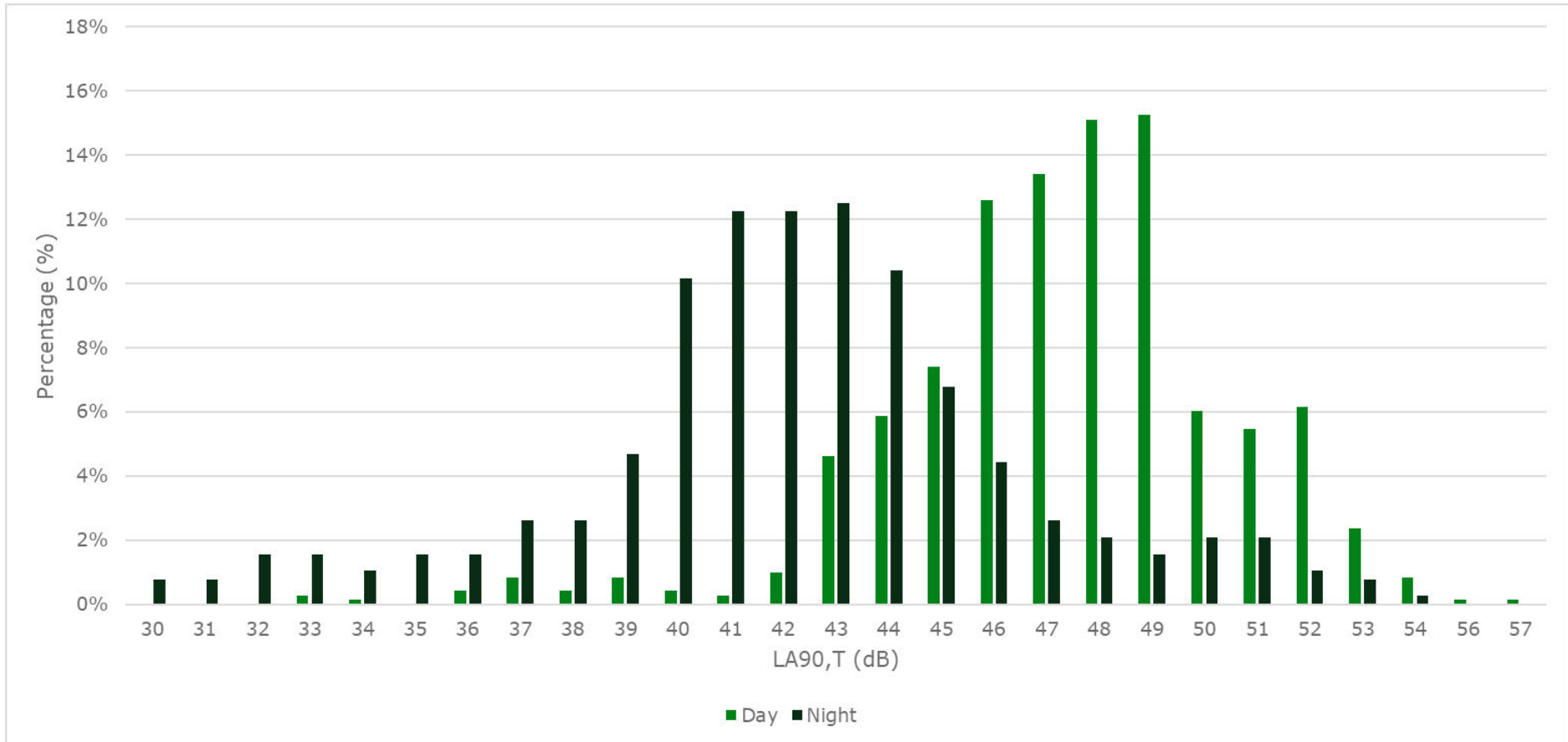
Day	Date	Ambient Sound Level [dB LAeq,T]		
		Daytime	Evening	Night-time
Thursday	31 st July 2025	53	51	49
Friday	1 st August 2025	55	53	52
Saturday	2 nd August 2025	53	51	49
Sunday	3 rd August 2025	55	51	47
Monday	4 th August 2025	60	55	45
Tuesday	5 th August 2025	58	52	52
Wednesday	6 th August 2025	53	49	51
Thursday	7 th August 2025	53	50	47
Friday	8 th August 2025	53	51	50
Saturday	9 th August 2025	55	51	47
Sunday	10 th August 2025	51	49	48
Monday	11 th August 2025	51	44	51
Tuesday	12 th August 2025	50	-	45

Table 14.2-41: Total Ambient Sound Levels at NML20 and ABC Categories

Period		Total Ambient Sound Level [dB LAeq,T]	ABC Category
Daytime	T=12hr, Weekdays, 07:00-19:00; T=6hr, Saturday, 07:00-13:00	55	A
Evenings and weekends	T=4hr, Weekdays 19:00–23:00; T=10hr, Saturdays 13:00-23:00; T=16hr, Sundays 07:00-23:00	52	A
Night-time	T=8hr, Every day 23:00-07:00	49	C

ENVIRONMENTAL STATEMENT

Plate 14.2-58: Distribution of Background Sound Levels During the Day (07:00-23:00) and Night (23:00-07:00) at NML20



NML21 – Slacks Lane, Bramley, Rotherham, S66 1TZ

- 14.2.13 Noise monitoring was conducted between 07th August and 19th August 2025.
- 14.2.14 **Plate 14.2-59** presents the monitoring equipment setup at NML21.
- 14.2.15 **Plate 14.2-60** presents the 15-minute sound measurements logged over the survey period.
- 14.2.16 **Table 14.2-42** presents the daytime, evening, and night-time measured $L_{Aeq,T}$.
- 14.2.17 **Table 14.2-43** presents the total daytime, evenings and weekends, and night-time measured $L_{Aeq,T}$ and corresponding ABC categories in accordance with BS 5228-1.
- 14.2.18 **Plate 14.2-61** presents the distribution of background $L_{A90,15min}$ sound levels over the day and night-time throughout the survey period. The adopted daytime and night-time $L_{A90,T}$ are 50dB and 45dB respectively for assessment locations represented by NML21.

Plate 14.2-59: Photos of Equipment at NML21



ENVIRONMENTAL STATEMENT

Plate 14.2-60: Noise Monitoring Results at NML21

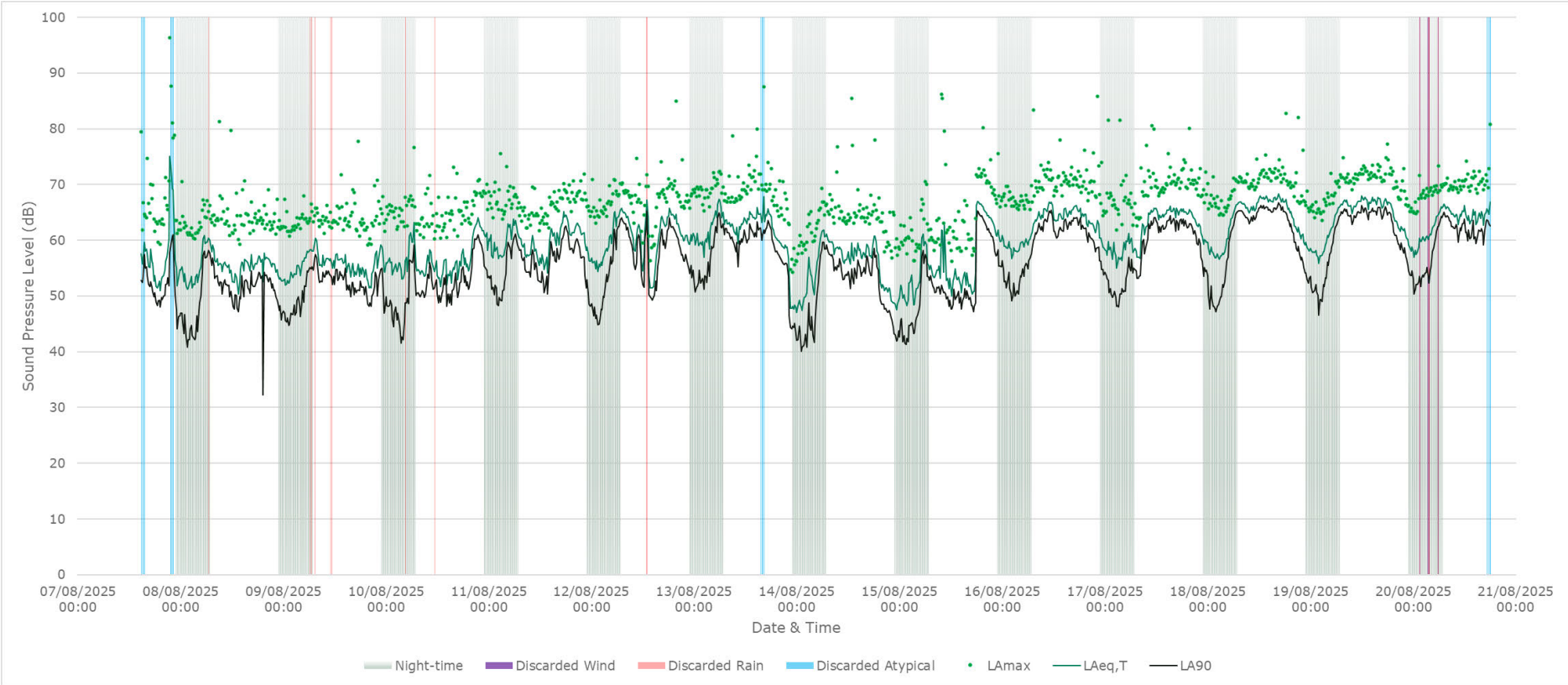


Table 14.2-42: Measured Ambient Sound Levels at NML21

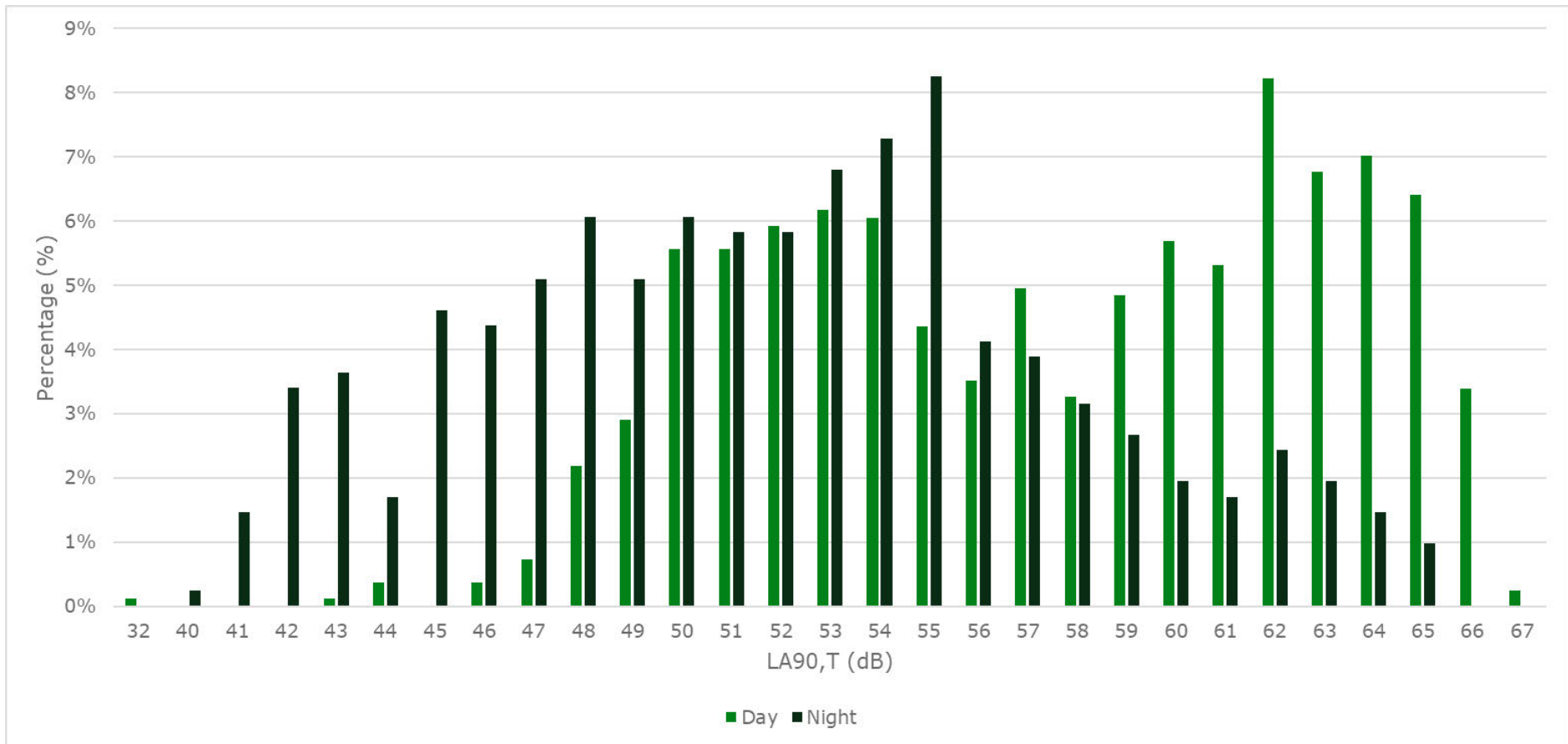
Day	Date	Ambient Sound Level [dB LAeq,T]		
		Daytime	Evening	Night-time
Thursday	7 th August 2025	59	60	57
Friday	8 th August 2025	59	59	59
Saturday	9 th August 2025	59	58	59
Sunday	10 th August 2025	58	64	61
Monday	11 th August 2025	63	65	63
Tuesday	12 th August 2025	65	65	64
Wednesday	13 th August 2025	67	62	65
Thursday	14 th August 2025	61	55	59
Friday	15 th August 2025	61	67	59
Saturday	16 th August 2025	68	66	62
Sunday	17 th August 2025	67	67	62
Monday	18 th August 2025	70	66	64
Tuesday	19 th August 2025	70	66	64

Table 14.2-43: Total Ambient Sound Levels at NML21 and ABC Categories

Period		Total Ambient Sound Level [dB LAeq,T]	ABC Category
Daytime	T=12hr, Weekdays, 07:00-19:00; T=6hr, Saturday, 07:00-13:00	66	B
Evenings and weekends	T=4hr, Weekdays 19:00–23:00; T=10hr, Saturdays 13:00-23:00; T=16hr, Sundays 07:00-23:00	65	C
Night-time	T=8hr, Every day 23:00-07:00	62	C

ENVIRONMENTAL STATEMENT

Plate 14.2-61: Distribution of Background Sound Levels During the Day (07:00-23:00) and Night (23:00-07:00) at NML21



NML22 – Dapple Grove, Wickersley, S66 1DE

- 14.2.19 Noise monitoring was conducted between 13th August and 20th August 2025.
- 14.2.20 **Plate 14.2-62** presents the monitoring equipment setup at NML22.
- 14.2.21 **Plate 14.2-63** presents the 15-minute sound measurements logged over the survey period.
- 14.2.22 **Table 14.2-44** presents the daytime, evening, and night-time measured $L_{Aeq,T}$.
- 14.2.23 **Table 14.2-45** presents the total daytime, evenings and weekends, and night-time measured $L_{Aeq,T}$ and corresponding ABC categories in accordance with BS 5228-1.
- 14.2.24 **Plate 14.2-64** presents the distribution of background $L_{A90,15min}$ sound levels over the day and night-time throughout the survey period. The adopted daytime and night-time $L_{A90,T}$ are 33dB and 25dB respectively for assessment locations represented by NML22.

Plate 14.2-62 Equipment Photos NML22



ENVIRONMENTAL STATEMENT

Plate 14.2-63: Noise Monitoring Results at NML22

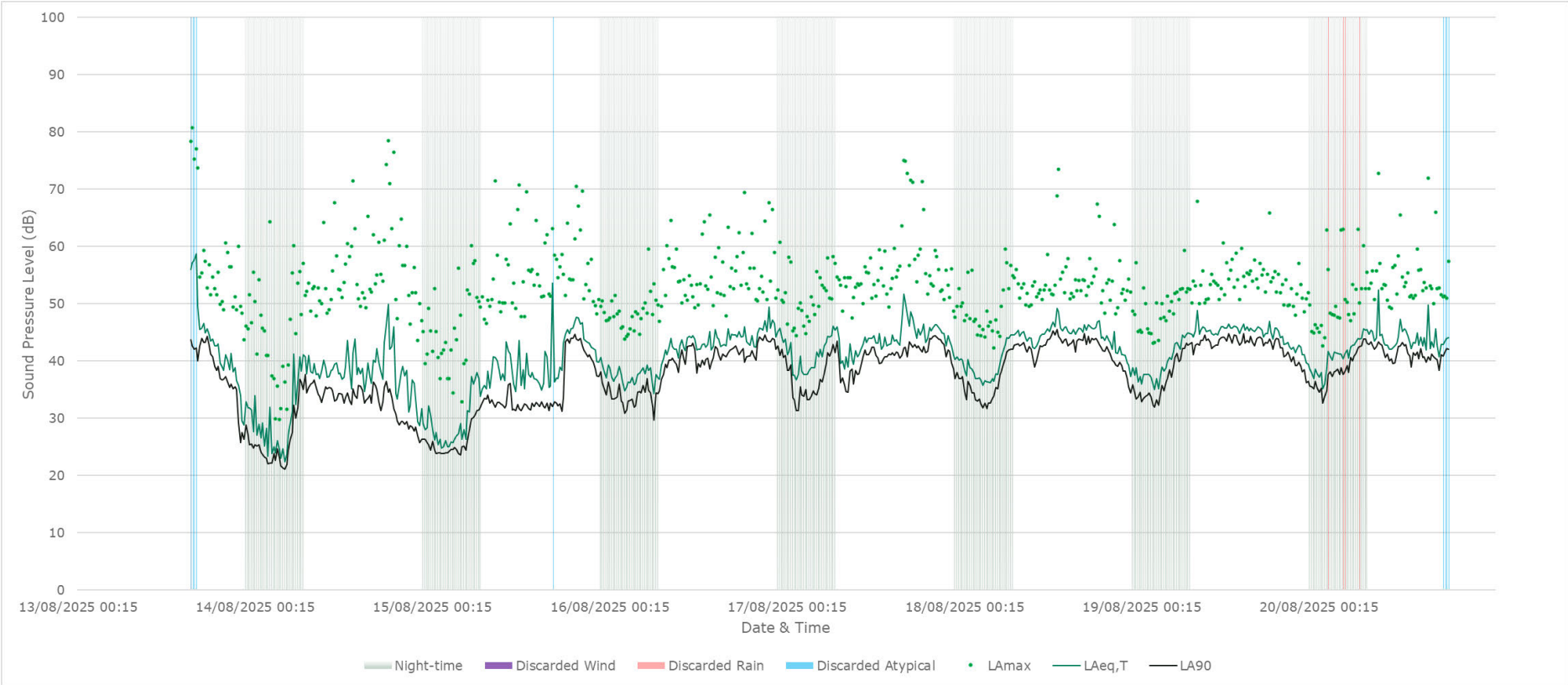


Table 14.2-44: Measured Ambient Sound Levels at NML22

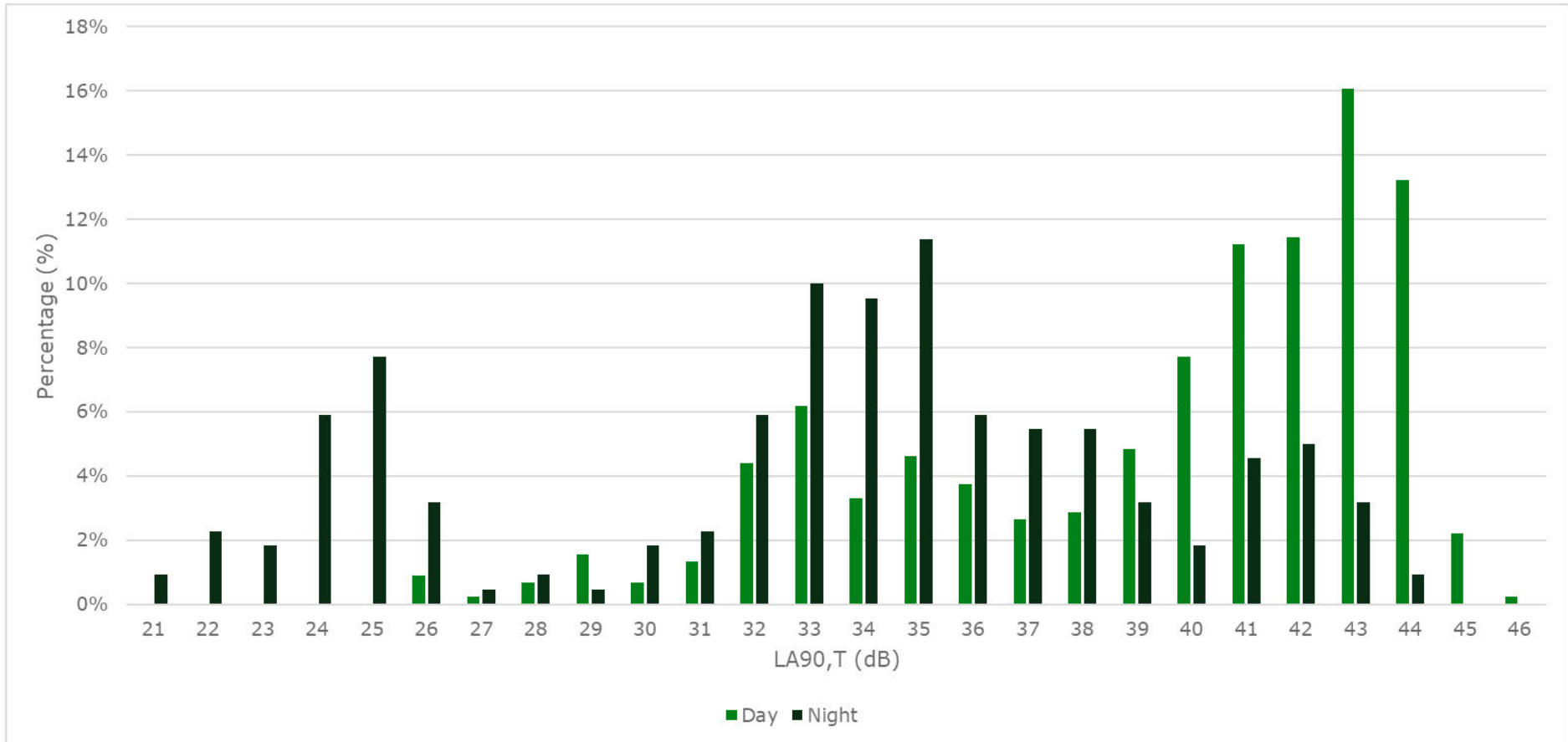
Day	Date	Ambient Sound Level [dB LAeq,T]		
		Daytime	Evening	Night-time
Wednesday	13 th August 2025	49	42	35
Thursday	14 th August 2025	44	41	36
Friday	15 th August 2025	44	48	37
Saturday	16 th August 2025	46	49	42
Sunday	17 th August 2025	48	48	45
Monday	18 th August 2025	48	45	43
Tuesday	19 th August 2025	49	45	44
Wednesday	20 th August 2025	48	-	45

Table 14.2-45: Total Ambient Sound Levels at NML22 and ABC Categories

Period		Total Ambient Sound Level [dB LAeq,T]	ABC Category
Daytime	T=12hr, Weekdays, 07:00-19:00; T=6hr, Saturday, 07:00-13:00	47	A
Evenings and weekends	T=4hr, Weekdays 19:00–23:00; T=10hr, Saturdays 13:00-23:00; T=16hr, Sundays 07:00-23:00	47	A
Night-time	T=8hr, Every day 23:00-07:00	42	A

ENVIRONMENTAL STATEMENT

Plate 14.2-64: Distribution of Background Sound Levels During the Day (07:00-23:00) and Night (23:00-07:00) at NML22



NML23 – Rectory Gardens, Todwick, S26 1JU

- 14.2.25 Noise monitoring was conducted between 13th August and 20th August 2025.
- 14.2.26 **Plate 14.2-65** presents the monitoring equipment setup at NML23.
- 14.2.27 **Plate 14.2-66** presents the 15-minute sound measurements logged over the survey period.
- 14.2.28 **Table 14.2-46** presents the daytime, evening, and night-time measured $L_{Aeq,T}$.
- 14.2.29 **Table 14.2-47** presents the total daytime, evenings and weekends, and night-time measured $L_{Aeq,T}$ and corresponding ABC categories in accordance with BS 5228-1.
- 14.2.30 **Plate 14.2-67** presents the distribution of background $L_{A90,15min}$ sound levels over the day and night-time throughout the survey period. The adopted daytime and night-time $L_{A90,T}$ are 36dB and 29dB respectively for assessment locations represented by NML23.

Plate 14.2-65 Equipment Photos NML23



ENVIRONMENTAL STATEMENT

Plate 14.2-66: Noise Monitoring Results at NML23

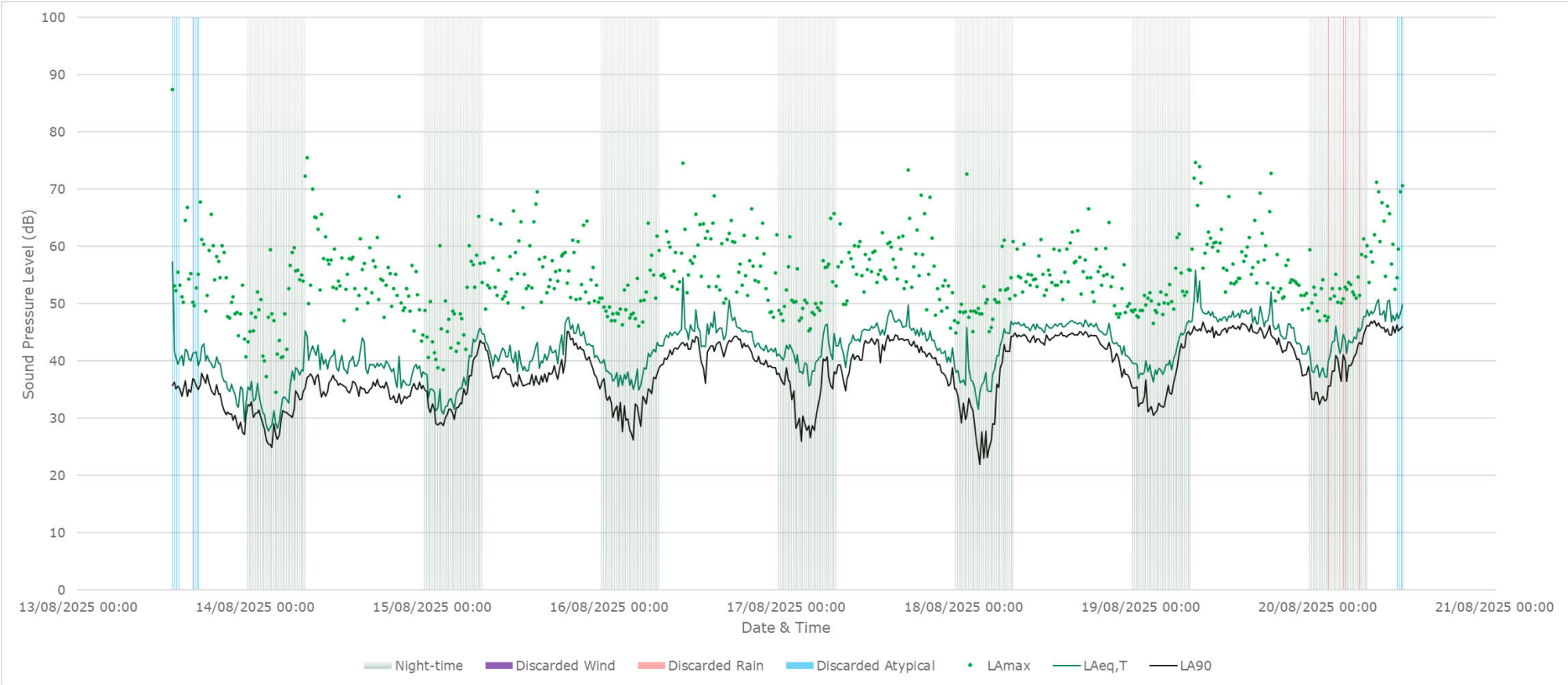


Table 14.2-46: Measured Ambient Sound Levels at NML23

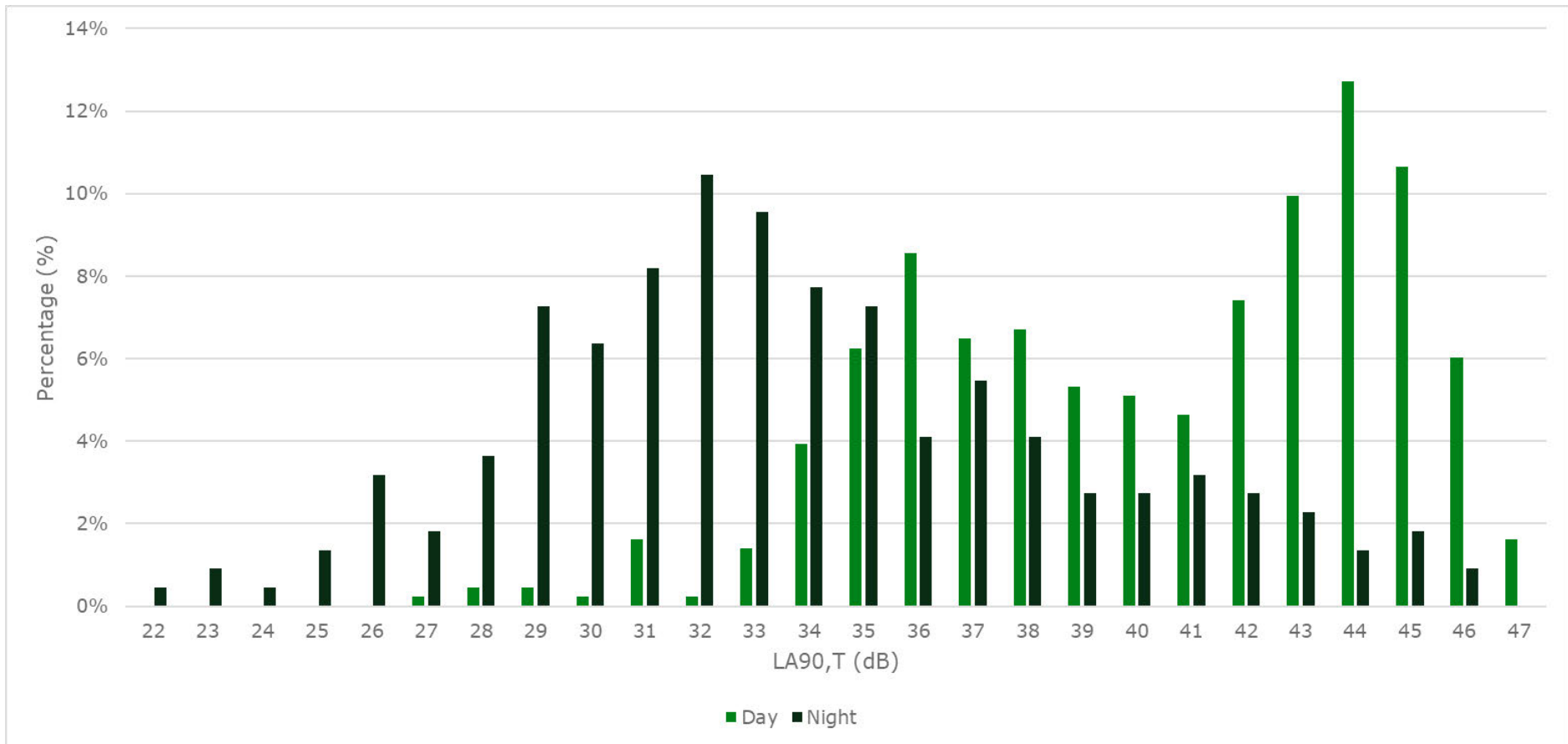
Day	Date	Ambient Sound Level [dB LAeq,T]		
		Daytime	Evening	Night-time
Wednesday	13 th August 2025	44	39	38
Thursday	14 th August 2025	43	41	39
Friday	15 th August 2025	45	47	42
Saturday	16 th August 2025	49	46	42
Sunday	17 th August 2025	49	45	44
Monday	18 th August 2025	49	46	44
Tuesday	19 th August 2025	52	47	45
Wednesday	20 th August 2025	52	-	47

Table 14.2-47: Total Ambient Sound Levels at NML23 and ABC Categories

Period		Total Ambient Sound Level [dB LAeq,T]	ABC Category
Daytime	T=12hr, Weekdays, 07:00-19:00; T=6hr, Saturday, 07:00-13:00	49	A
Evenings and weekends	T=4hr, Weekdays 19:00–23:00; T=10hr, Saturdays 13:00-23:00; T=16hr, Sundays 07:00-23:00	47	A
Night-time	T=8hr, Every day 23:00-07:00	44	B

ENVIRONMENTAL STATEMENT

Plate 14.2-67: Distribution of Background Sound Levels During the Day (07:00-23:00) and Night (23:00-07:00) at NML23



NML24 – Long Lane, Whiston, S60 4JJ

- 14.2.31 Noise monitoring was conducted between 12th August and 20th August 2025, and between 20th January and 04th February 2026.
- 14.2.32 **Plate 14.2-68** presents the monitoring equipment setup at NML24 between 12th August and 20th August 2025.
- 14.2.33 **Plate 14.2-69** presents the monitoring equipment setup at NML24 between 20th January and 04th February 2026.
- 14.2.34 **Plate 14.2-70** presents the 15-minute sound measurements logged over the survey period between 12th August and 20th August 2025.
- 14.2.35 **Plate 14.2-71** presents the 15-minute sound measurements logged over the survey period between 20th January and 04th February 2026.
- 14.2.36 **Table 14.2-48** presents the daytime, evening, and night-time measured $L_{Aeq,T}$.
- 14.2.37 **Table 14.2-49** presents the total daytime, evenings and weekends, and night-time measured $L_{Aeq,T}$ and corresponding ABC categories in accordance with BS 5228-1.
- 14.2.38 **Plate 14.2-72** presents the distribution of background $L_{A90,15min}$ sound levels over the day and night-time throughout the survey period. The adopted daytime and night-time $L_{A90,T}$ are 57dB and 49dB respectively for assessment locations represented by NML24.

Plate 14.2-68 Equipment Photos NML24 - 2025

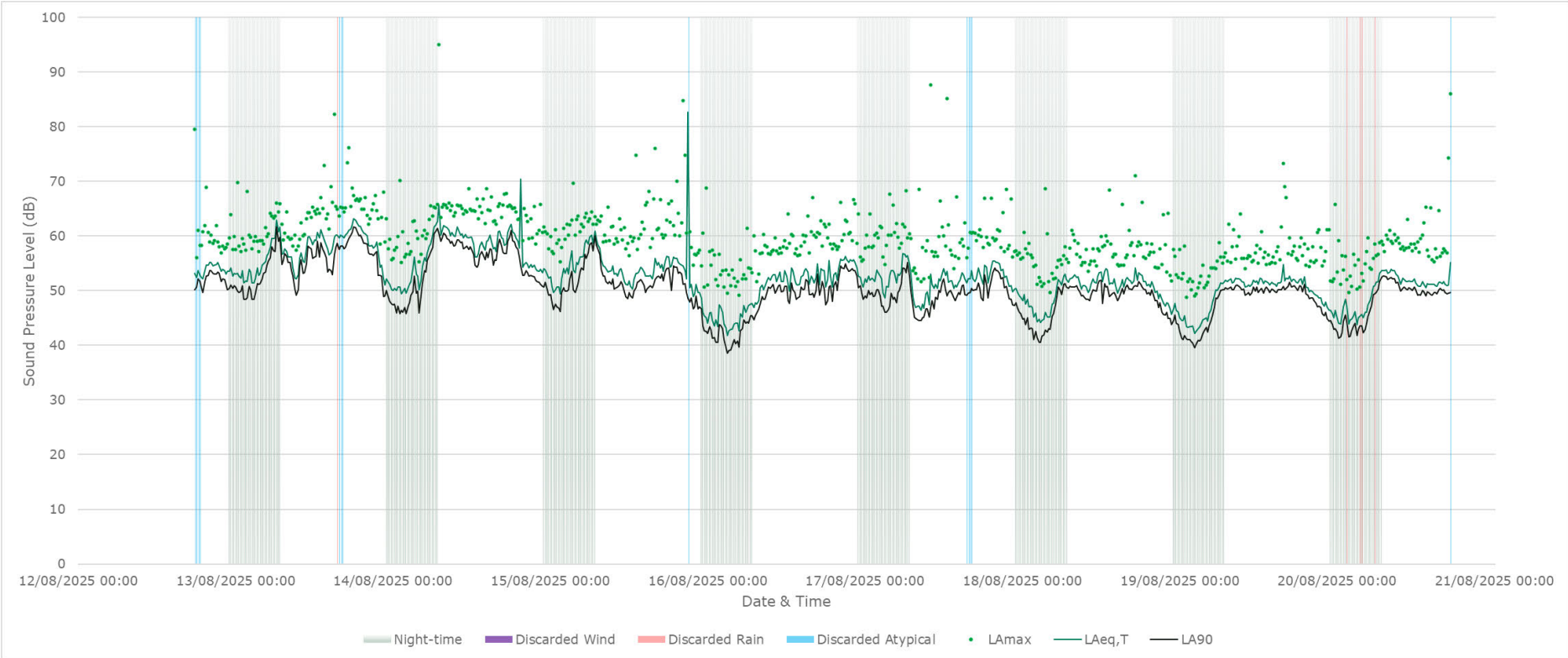


Plate 14.2-69 Equipment Photos NML24 - 2026



ENVIRONMENTAL STATEMENT

Plate 14.2-70: Noise Monitoring Results at NML24



ENVIRONMENTAL STATEMENT

Plate 14.2-71: Noise Monitoring Results at NML24

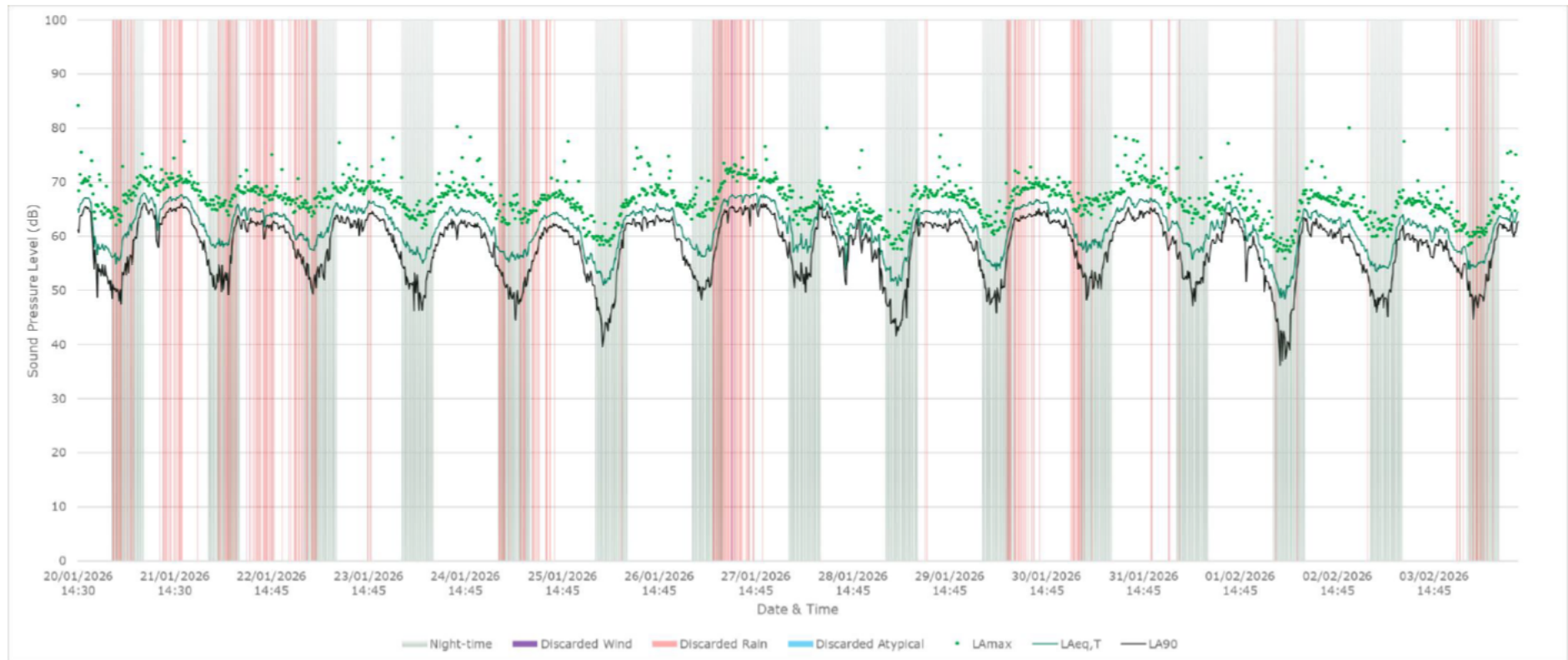


Table 14.2-48: Measured Ambient Sound Levels at NML24

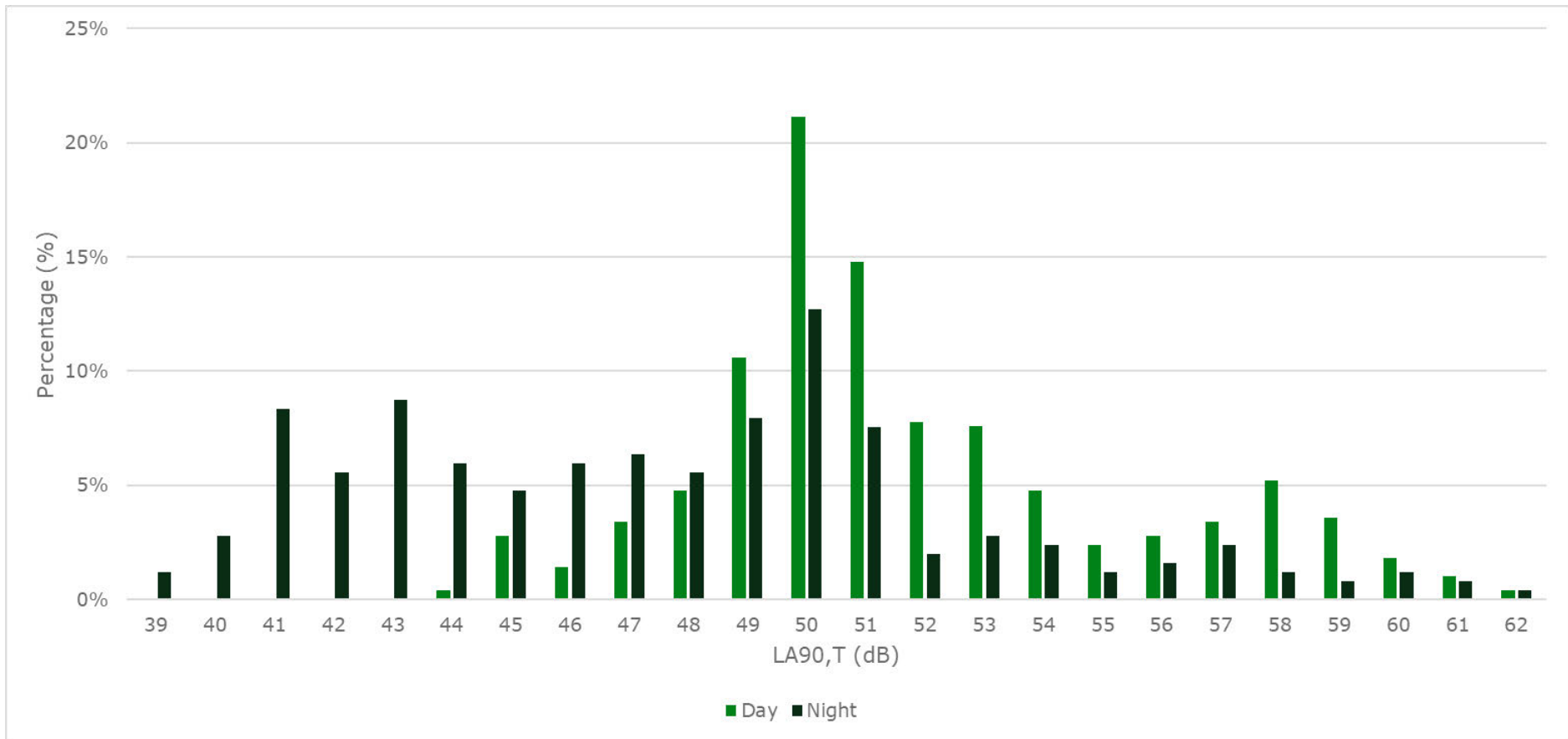
Day	Date	Ambient Sound Level [dB LAeq,T]		
		Daytime	Evening	Night-time
Tuesday	12 th August 2025	55	57	56
Wednesday	13 th August 2025	62	62	59
Thursday	14 th August 2025	63	63	59
Friday	15 th August 2025	57	56	59
Saturday	16 th August 2025	55	58	50
Sunday	17 th August 2025	55	56	56
Monday	18 th August 2025	55	52	51
Tuesday	19 th August 2025	55	52	50
Wednesday	20 th August 2025	55	-	51
Tuesday	20 th January 2026	69	61	60
Wednesday	21 st January 2026	69	66	67
Thursday	22 nd January 2026	67	65	65
Friday	23 rd January 2026	68	66	65
Saturday	24 th January 2026	67	65	61
Sunday	25 th January 2026	66	61	59
Monday	26 th January 2026	68	64	61
Tuesday	27 th January 2026	70	67	62
Wednesday	28 th January 2026	66	62	64
Thursday	29 th January 2026	67	64	62
Friday	30 th January 2026	69	67	61
Saturday	31 st January 2026	69	66	63
Sunday	1 st February 2026	66	60	61
Monday	2 nd February 2026	66	62	61
Tuesday	3 rd February 2026	65	61	61
Wednesday	4 th February 2026	67	-	63

Table 14.2-49: Total Ambient Sound Levels at NML24 and ABC Categories

Period		Total Ambient Sound Level [dB LAeq,T]	ABC Category
Daytime	T=12hr, Weekdays, 07:00-19:00; T=6hr, Saturday, 07:00-13:00	66	B
Evenings and weekends	T=4hr, Weekdays 19:00-23:00; T=10hr, Saturdays 13:00-23:00; T=16hr, Sundays 07:00-23:00	64	C
Night-time	T=8hr, Every day 23:00-07:00	61	C

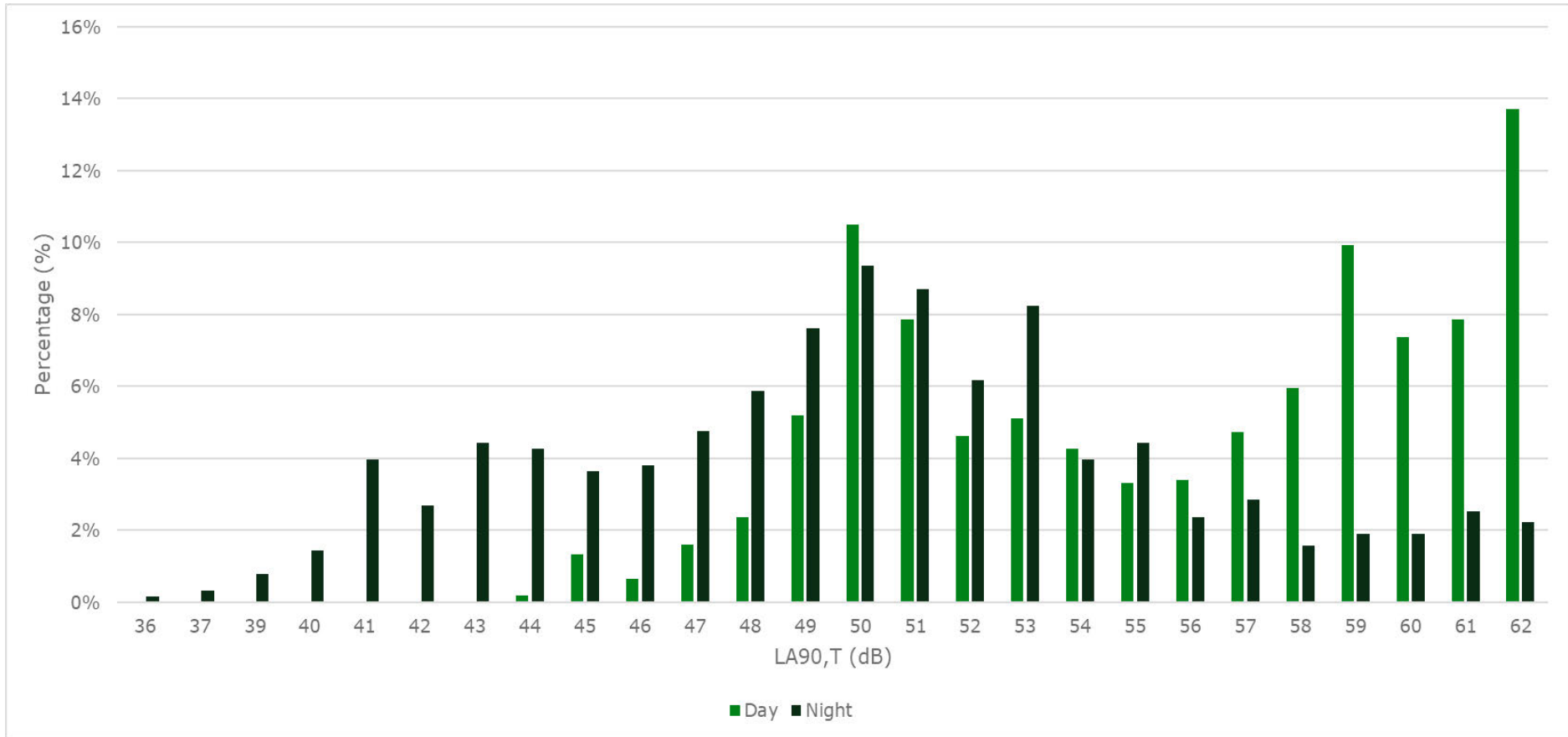
ENVIRONMENTAL STATEMENT

Plate 14.2-72: Distribution of Background Sound Levels During the Day (07:00-23:00) and Night (23:00-07:00) at NML24



ENVIRONMENTAL STATEMENT

Plate 14.2-73: Distribution of Background Sound Levels During the Day (07:00-23:00) and Night (23:00-07:00) at NML24



NML25 – Wild Fell, York Lane, Morthen, S66 9JH

- 14.2.39 Noise monitoring was conducted between 20th January and 4th February 2026.
- 14.2.40 **Plate 14.2-74** presents the monitoring equipment setup at NML25.
- 14.2.41 **Plate 14.2-75** presents the 15-minute sound measurements logged over the survey period.
- 14.2.42 **Table 14.2-50** presents the daytime, evening, and night-time measured $L_{Aeq,T}$.
- 14.2.43 **Table 14.2-51** presents the total daytime, evenings and weekends, and night-time measured $L_{Aeq,T}$ and corresponding ABC categories in accordance with BS 5228-1.
- 14.2.44 **Plate 14.2-76** presents the distribution of background $L_{A90,15min}$ sound levels over the day and night-time throughout the survey period. The adopted daytime and night-time $L_{A90,T}$ are 53dB and 46dB respectively for assessment locations represented by NML25.

Plate 14.2-74 Equipment Photos NML25



ENVIRONMENTAL STATEMENT

Plate 14.2-75: Noise Monitoring Results at NML25

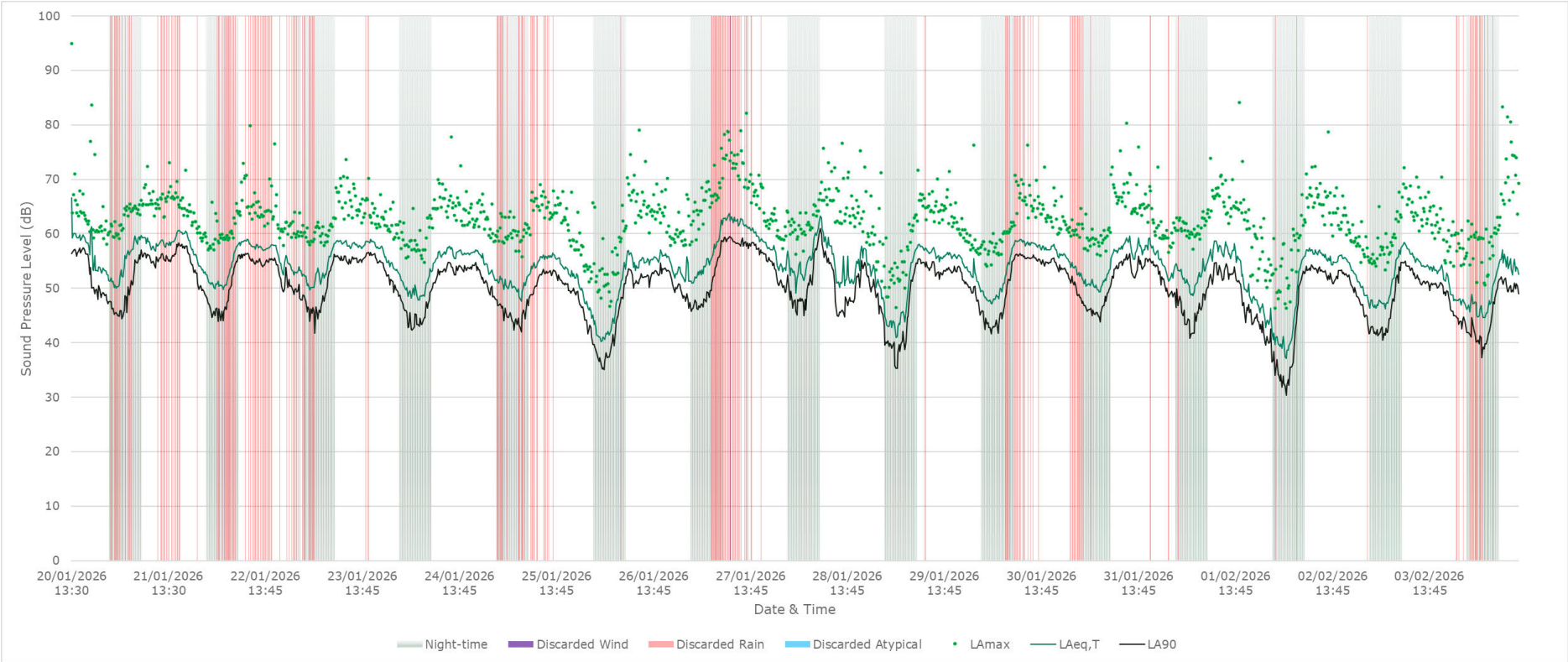


Table 14.2-50: Measured Ambient Sound Levels at NML24

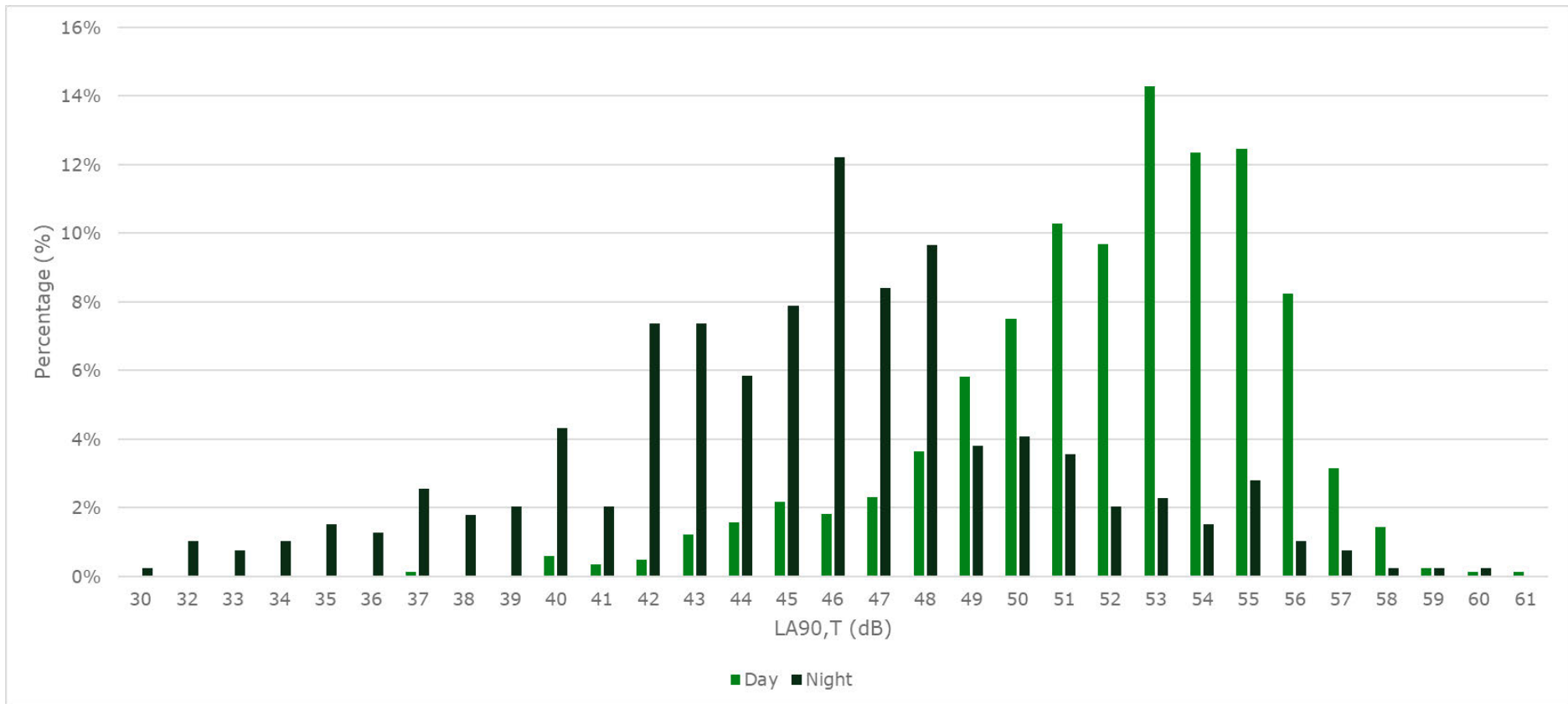
Day	Date	Ambient Sound Level [dB L _{Aeq,T}]		
		Daytime	Evening	Night-time
Tuesday	20 th January 2026	63	56	54
Wednesday	21 st January 2026	62	58	60
Thursday	22 nd January 2026	60	57	57
Friday	23 rd January 2026	61	57	57
Saturday	24 th January 2026	59	57	53
Sunday	25 th January 2026	57	51	53
Monday	26 th January 2026	58	56	51
Tuesday	27 th January 2026	63	58	57
Wednesday	28 th January 2026	59	55	59
Thursday	29 th January 2026	59	56	54
Friday	30 th January 2026	60	59	54
Saturday	31 st January 2026	60	57	55
Sunday	1 st February 2026	59	49	55
Monday	2 nd February 2026	59	54	52
Tuesday	3 rd February 2026	58	51	55
Wednesday	4 th February 2026	58	-	52

Table 14.2-51: Total Ambient Sound Levels at NML24 and ABC Categories

Period		Total Ambient Sound Level [dB L _{Aeq,T}]	ABC Category
Daytime	T=12hr, Weekdays, 07:00-19:00; T=6hr, Saturday, 07:00-13:00	60	A
Evenings and weekends	T=4hr, Weekdays 19:00–23:00; T=10hr, Saturdays 13:00-23:00; T=16hr, Sundays 07:00-23:00	57	B
Night-time	T=8hr, Every day 23:00-07:00	55	C

ENVIRONMENTAL STATEMENT

Plate 14.2-76: Distribution of Background Sound Levels During the Day (07:00-23:00) and Night (23:00-07:00) at NML24



Common Farm Solar Farm

14.2.45 Noise monitoring was conducted between 1st and 9th September 2021 for noise monitoring locations NML1-CF to NML4-CF as part of the Common Farm Solar Farm NIA. This data has been adopted for this assessment.

14.2.46 **Table 14.2-52** summarises the measured sound pressure levels $L_{Aeq,T}$ during the daytime $L_{Aeq,12-hour}$, evening $L_{Aeq,4-hour}$, and night-time $L_{Aeq,8-hour}$ and the adopted representative daytime and night-time $L_{A90,T}$.

Table 14.2-52: Summary of Noise Monitoring for Common Farm Solar Farm NIA

NML ID	Ambient Sound Level [dB $L_{Aeq,T}$]			Adopted Representative $L_{A90,T}$ [dB]	
	Daytime	Evening	Night-time	Daytime	Night-time
NML1-CF	47	43	39	40	32
NML2-CF	66	64	59	54	33
NML3-CF	54	50	44	38	32
NML4-CF	55	52	46	37	31

Thurcroft Interchange Energy Park

14.2.47 Noise monitoring was conducted between 19th and 24th September 2025 for noise monitoring locations NML1-TI to NML2-TI as part of the Thurcroft Interchange Energy Park NIA. This data has been adopted for this assessment.

14.2.48 This assessment does not include $L_{Aeq,T}$ data, and therefore receptors which are represented by this location are conservatively assumed to be Category A for all assessment periods.

14.2.49 **Table 14.2-53** summarises the adopted representative daytime and night-time $L_{A90,T}$.

Table 14.2-53: Summary of Noise Monitoring for Common Farm Solar Farm NIA

NML ID	Adopted Representative $L_{A90,T}$ [dB]	
	Daytime	Night-time
NML1-TI	51	47
NML2-TI	52	47

Kiveton Park

14.2.50 Noise monitoring was conducted between 25th and 26th July 2024 for noise monitoring location NML1-KP as part of the Kiveton Park Battery Energy Storage System (BESS) NIA. This data has been adopted for this assessment.

14.2.51 This assessment does not include daytime $L_{Aeq,12-hour}$ data or evening $L_{Aeq,4-hour}$ data. Instead, it includes daytime $L_{Aeq,16-hour}$ data.

14.2.52 **Table 14.2-54** summarises the measured sound pressure levels $L_{Aeq,T}$ during the daytime $L_{Aeq,16-hour}$, and night-time $L_{Aeq,8-hour}$ and the adopted representative daytime and night-time $L_{A90,T}$.

Table 14.2-54: Summary of Noise Monitoring for Common Farm Solar Farm NIA

NML ID	Ambient Sound Level [dB $L_{Aeq,T}$]		Adopted Representative $L_{A90,T}$ [dB]	
	Daytime	Night-time	Daytime	Night-time
NML1-KP	61	54	43	39

Summary

14.2.53 **Table 14.2-55** presents the derived construction noise assessment categories and background sound levels for each assessment location.

Table 14.2-55: ABC Categories and Background Sound Levels for Each Assessment Location

AL ID	NML ID	Ambient Sound Level ($L_{Aeq,T}$) [dB] and Construction Noise Assessment Category (in Accordance with BS 5228-1)			Adopted Background Sound level ($L_{A90,T}$) [dB]	
		Daytime	Evenings and Weekends	Night	Day	Night
AL001	NML01	54 (A)	51 (A)	49 (C)	45	41
AL002	NML01	54 (A)	51 (A)	49 (C)	45	41
AL003	NML01	54 (A)	51 (A)	49 (C)	45	41
AL004	NML01	54 (A)	51 (A)	49 (C)	45	41
AL005	NML03	58 (A)	59 (C)	55 (C)	44	43
AL006	NML03	58 (A)	59 (C)	55 (C)	44	43
AL007	NML02	49 (A)	45 (A)	45 (B)	33	29
AL008	NML02	49 (A)	45 (A)	45 (B)	33	29
AL009	NML02	49 (A)	45 (A)	45 (B)	33	29
AL010	NML02	49 (A)	45 (A)	45 (B)	33	29
AL011	NML03	58 (A)	59 (C)	55 (C)	44	43
AL012	NML03	58 (A)	59 (C)	55 (C)	44	43
AL013	NML02	49 (A)	45 (A)	45 (B)	33	29
AL014	NML1-KP	61 (A)	54 (B)	54 (C)	43	39

ENVIRONMENTAL STATEMENT

AL ID	NML ID	Ambient Sound Level (L _{Aeq,T}) [dB] and Construction Noise Assessment Category (in Accordance with BS 5228-1)			Adopted Background Sound level (L _{A90,T}) [dB]	
		Daytime	Evenings and Weekends	Night	Day	Night
AL015	NML1-KP	61 (A)	54 (B)	54 (C)	43	39
AL016	NML02	49 (A)	45 (A)	45 (B)	33	29
AL017	NML02	49 (A)	45 (A)	45 (B)	33	29
AL018	NML02	49 (A)	45 (A)	45 (B)	33	29
AL019	NML03	58 (A)	59 (C)	55 (C)	44	43
AL020	NML02	49 (A)	45 (A)	45 (B)	33	29
AL021	NML04	60 (A)	57 (B)	55 (C)	43	32
AL022	NML04	60 (A)	57 (B)	55 (C)	43	32
AL023	NML07	54 (A)	52 (A)	49 (C)	43	39
AL024	NML05	55 (A)	51 (A)	46 (B)	40	33
AL025	NML05	55 (A)	51 (A)	46 (B)	40	33
AL026	NML05	55 (A)	51 (A)	46 (B)	40	33
AL027	NML05	55 (A)	51 (A)	46 (B)	40	33
AL028	NML07	54 (A)	52 (A)	49 (C)	43	39
AL029	NML04	60 (A)	57 (B)	55 (C)	43	32
AL030	NML07	54 (A)	52 (A)	49 (C)	43	39
AL031	NML07	54 (A)	52 (A)	49 (C)	43	39
AL032	NML2-CF	66 (B)	64 (C)	59 (C)	54	33
AL033	NML2-CF	66 (B)	64 (C)	59 (C)	54	33
AL034	NML07	54 (A)	52 (A)	49 (C)	43	39
AL035	NML3-CF	54 (A)	50 (A)	44 (B)	38	32
AL036	NML1-CF	47 (A)	43 (A)	39 (A)	40	32
AL037	NML09	55 (A)	53 (B)	52 (C)	48	43
AL038	NML4-CF	55 (A)	52 (A)	46 (B)	37	31
AL039	NML09	55 (A)	53 (B)	52 (C)	48	43
AL040	NML09	55 (A)	53 (B)	52 (C)	48	43
AL041	NML11	66 (B)	64 (C)	59 (C)	44	39
AL042	NML10	58 (A)	55 (B)	50 (C)	38	31
AL043	NML10	58 (A)	55 (B)	50 (C)	38	31
AL044	NML10	58 (A)	55 (B)	50 (C)	38	31
AL045	NML10	58 (A)	55 (B)	50 (C)	38	31
AL046	NML09	55 (A)	53 (B)	52 (C)	48	43

ENVIRONMENTAL STATEMENT

AL ID	NML ID	Ambient Sound Level ($L_{Aeq,T}$) [dB] and Construction Noise Assessment Category (in Accordance with BS 5228-1)			Adopted Background Sound level ($L_{A90,T}$) [dB]	
		Daytime	Evenings and Weekends	Night	Day	Night
AL047	NML09	55 (A)	53 (B)	52 (C)	48	43
AL048	NML11	66 (B)	64 (C)	59 (C)	44	39
AL049	NML11	66 (B)	64 (C)	59 (C)	44	39
AL050	NML11	66 (B)	64 (C)	59 (C)	44	39
AL051	NML11	66 (B)	64 (C)	59 (C)	44	39
AL052	NML11	66 (B)	64 (C)	59 (C)	44	39
AL053	NML12	55 (A)	52 (A)	50 (C)	46	41
AL054	NML03	58 (A)	59 (C)	55 (C)	44	43
AL055	NML02	49 (A)	45 (A)	45 (B)	33	29
AL056	NML03	58 (A)	59 (C)	55 (C)	44	43
AL057	NML12	55 (A)	52 (A)	50 (C)	46	41
AL058	NML12	55 (A)	52 (A)	50 (C)	46	41
AL059	NML12	55 (A)	52 (A)	50 (C)	46	41
AL060	NML12	55 (A)	52 (A)	50 (C)	46	41
AL061	NML13	49 (A)	47 (A)	44 (B)	39	32
AL062	NML13	49 (A)	47 (A)	44 (B)	39	32
AL063	NML12	55 (A)	52 (A)	50 (C)	46	41
AL064	NML11	66 (B)	64 (C)	59 (C)	44	39
AL065	NML14	64 (B)	61 (C)	57 (C)	54	46
AL066	NML14	64 (B)	61 (C)	57 (C)	54	46
AL067	NML14	64 (B)	61 (C)	57 (C)	54	46
AL068	NML15b	63 (B)	60 (C)	55 (C)	52	41
AL069	NML15b	63 (B)	60 (C)	55 (C)	52	41
AL070	NML12	55 (A)	52 (A)	50 (C)	46	41
AL071	NML09	55 (A)	53 (B)	52 (C)	48	43
AL072	NML09	55 (A)	53 (B)	52 (C)	48	43
AL073	NML25	60 (A)	57 (B)	55 (C)	53	46
AL074	NML25	60 (A)	57 (B)	55 (C)	53	46
AL075	NML24	66 (B)	64 (C)	61 (C)	57	49
AL076	NML17	55 (A)	51 (A)	45 (B)	33	23
AL077	NML17	55 (A)	51 (A)	45 (B)	33	23
AL078	NML17	55 (A)	51 (A)	45 (B)	33	23

ENVIRONMENTAL STATEMENT

AL ID	NML ID	Ambient Sound Level ($L_{Aeq,T}$) [dB] and Construction Noise Assessment Category (in Accordance with BS 5228-1)			Adopted Background Sound level ($L_{A90,T}$) [dB]	
		Daytime	Evenings and Weekends	Night	Day	Night
AL079	NML17	55 (A)	51 (A)	45 (B)	33	23
AL080	NML17	55 (A)	51 (A)	45 (B)	33	23
AL081	NML17	55 (A)	51 (A)	45 (B)	33	23
AL082	NML17	55 (A)	51 (A)	45 (B)	33	23
AL083	NML17	55 (A)	51 (A)	45 (B)	33	23
AL084	NML17	55 (A)	51 (A)	45 (B)	33	23
AL085	NML17	55 (A)	51 (A)	45 (B)	33	23
AL086	NML17	55 (A)	51 (A)	45 (B)	33	23
AL087	NML17	55 (A)	51 (A)	45 (B)	33	23
AL088	NML17	55 (A)	51 (A)	45 (B)	33	23
AL089	NML17	55 (A)	51 (A)	45 (B)	33	23
AL090	NML17	55 (A)	51 (A)	45 (B)	33	23
AL091	NML19	48 (A)	47 (A)	41 (A)	36	26
AL092	NML20	55 (A)	52 (A)	49 (C)	45	39
AL093	NML20	55 (A)	52 (A)	49 (C)	45	39
AL094	NML20	55 (A)	52 (A)	49 (C)	45	39
AL095	NML20	55 (A)	52 (A)	49 (C)	45	39
AL096	NML20	55 (A)	52 (A)	49 (C)	45	39
AL097	NML20	55 (A)	52 (A)	49 (C)	45	39
AL098	NML17	55 (A)	51 (A)	45 (B)	33	23
AL099	NML12	55 (A)	52 (A)	50 (C)	46	41
AL100	NML21	66 (B)	65 (C)	62 (C)	50	45
AL101	NML22	47 (A)	47 (A)	42 (A)	33	25
AL102	NML22	47 (A)	47 (A)	42 (A)	33	25
AL103	NML22	47 (A)	47 (A)	42 (A)	33	25
AL104	NML21	66 (B)	65 (C)	62 (C)	50	45
AL105	NML22	47 (A)	47 (A)	42 (A)	33	25
AL106	NML21	66 (B)	65 (C)	62 (C)	50	45
AL107	NML22	47 (A)	47 (A)	42 (A)	33	25
AL108	NML19	48 (A)	47 (A)	41 (A)	36	26
AL109	NML20	55 (A)	52 (A)	49 (C)	45	39
AL110	NML23	49 (A)	47 (A)	44 (B)	36	29

ENVIRONMENTAL STATEMENT

AL ID	NML ID	Ambient Sound Level (L _{Aeq,T}) [dB] and Construction Noise Assessment Category (in Accordance with BS 5228-1)			Adopted Background Sound level (L _{A90,T}) [dB]	
		Daytime	Evenings and Weekends	Night	Day	Night
AL111	NML20	55 (A)	52 (A)	49 (C)	45	39
AL112	NML17	55 (A)	51 (A)	45 (B)	33	23
AL113	NML24	66 (B)	64 (C)	61 (C)	57	49
AL114	NML24	66 (B)	64 (C)	61 (C)	57	49
AL115	NML24	66 (B)	64 (C)	61 (C)	57	49
AL116	NML21	66 (B)	65 (C)	62 (C)	50	45
AL117	NML22	47 (A)	47 (A)	42 (A)	33	25
AL118	NML21	66 (B)	65 (C)	62 (C)	50	45
AL119	NML22	47 (A)	47 (A)	42 (A)	33	25
AL120	NML22	47 (A)	47 (A)	42 (A)	33	25
AL121	NML22	47 (A)	47 (A)	42 (A)	33	25
AL122	NML21	66 (B)	65 (C)	62 (C)	50	45
AL123	NML21	66 (B)	65 (C)	62 (C)	50	45
AL124	NML21	66 (B)	65 (C)	62 (C)	50	45
AL125	NML22	47 (A)	47 (A)	42 (A)	33	25
AL126	NML22	47 (A)	47 (A)	42 (A)	33	25
AL127	NML22	47 (A)	47 (A)	42 (A)	33	25
AL128	NML22	47 (A)	47 (A)	42 (A)	33	25
AL129	NML1-TI	n/a (A)	n/a (A)	n/a (A)	51	47
AL130	NML2-TI	n/a (A)	n/a (A)	n/a (A)	52	47
AL131	NML24	66 (B)	64 (C)	61 (C)	57	49
AL132	NML24	66 (B)	64 (C)	61 (C)	57	49
AL133	NML14	64 (B)	61 (C)	57 (C)	54	46
AL134	NML24	66 (B)	64 (C)	61 (C)	57	49
AL135	NML04	60 (A)	57 (B)	55 (C)	43	32
AL136	n/a	n/a (A)	n/a (A)	n/a (A)	n/a	n/a
AL137	n/a	n/a (A)	n/a (A)	n/a (A)	n/a	n/a
AL138	n/a	n/a (A)	n/a (A)	n/a (A)	n/a	n/a
AL139	n/a	n/a (A)	n/a (A)	n/a (A)	n/a	n/a
AL140	n/a	n/a (A)	n/a (A)	n/a (A)	n/a	n/a
AL141	n/a	n/a (A)	n/a (A)	n/a (A)	n/a	n/a
AL142	NML03	58 (A)	59 (C)	55 (C)	44	43

ENVIRONMENTAL STATEMENT

AL ID	NML ID	Ambient Sound Level ($L_{Aeq,T}$) [dB] and Construction Noise Assessment Category (in Accordance with BS 5228-1)			Adopted Background Sound level ($L_{A90,T}$) [dB]	
		Daytime	Evenings and Weekends	Night	Day	Night
AL143	NML03	58 (A)	59 (C)	55 (C)	44	43
AL144	NML21	66 (B)	65 (C)	62 (C)	50	45
AL145	n/a	n/a (A)	n/a (A)	n/a (A)	n/a	n/a
AL146	n/a	n/a (A)	n/a (A)	n/a (A)	n/a	n/a
AL001	NML01	54 (A)	51 (A)	49 (C)	45	41
AL002	NML01	54 (A)	51 (A)	49 (C)	45	41
AL003	NML01	54 (A)	51 (A)	49 (C)	45	41

References

- ¹ Wardell Armstrong LLP (2022). Common Farm Solar Farm Noise Report. Prepared for Banks Renewables Ltd in support of planning application RB2022/1203.
- ² SLR Consulting Limited (2025). Kiveton Park BESS Noise Impact Assessment prepared for Harmony Energy in support of planning application RB2025/0240.
- ³ Metrica Environmental Consulting (2025) Noise Impact Assessment: Thurcroft Interchange Energy Park. Prepared for Planning Application RB2025/0714.
- ⁴ British Standards Institution. *BS 4142:2014+A1:2019 Methods for rating and assessing industrial and commercial sound*. s.l. : BSI, 2019. ISBN 978 0 539 02069 4



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