



REPORT REFERENCE:

SA – 8473

NOISE IMPACT ASSESSMENT EXTENSION OF HOURS

CLIENT:

Wiltshire Distillery

SITE:

Upper Kingstead Barn

Fonthill Bishop

Salisbury

Wiltshire

SP3 5SG

SURVEY DATE:

24th – 28th July 2026

Report By



Mr. B. J. Scrivener MIOA.

Sound Advice Acoustics Ltd

2 West Links, Tollgate, Chandlers Ford, Hampshire, SO53 3TG

Tel: 02380 641357

soundadviceacoustics.co.uk

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1 EXECUTIVE SUMMARY

1.1 Instruction

Sound Advice Acoustics Ltd have been instructed by Wiltshire Distillery to undertake a background noise survey at the existing premises at Upper Kingstead Barn, Fonthill Bishop, Salisbury, Wiltshire, SP3 5SG to understand the level of impact at the existing site in relation to the hours of extension over the various days and times, as detailed within a variation to condition 14 under application number PL/2026/02141.

1.2 Scope of Report

The measurements have been undertaken in accordance with ISO 1996 – Part 2: 2017 to establish if the proposed site has a demonstrable adverse effect in terms of noise that outweigh the benefits of the proposed hours of extension. This report aims to establish the following:

- Existing background noise levels at the residential façade (L_{A90});
- Noise levels during the periods of proposed extension of hours (L_{Aeq});
- Impact on the nearest noise sensitive property.
- Mitigation Levels if Required.

1.3 Measured Ambient Noise Levels

Continuous noise measurements were recorded from 24th – 28th July 2026. It was determined that the modal background noise level in the morning between 06:00 – 07:30 and in the evening between 22:00 – 00:00 was L_{A90} 36 dB.

1.4 Assessment

1.4.1 Morning (06:00 – 07:30).

Item	Calculation	Clause	Commentary
Rating Level	27 dB	9.1	The acoustic feature correction is added to the specific noise level
Background Noise Level $L_{A90,1 \text{ hour}}$	36 dB	8.1	Modal Background Noise Level
Assessment Level	-9 dB	11	The background level is subtracted from the rating level.
Assessment	-9 dB		
Conclusion	The assessment level is 'Low Impact'		
Wiltshire Council Noise & Planning Technical Guidance	Achieved		

1.4.2 Evening (22:00 – 00:00).

Item	Calculation	Clause	Commentary
Rating Level	25 dB	9.1	The acoustic feature correction is added to the specific noise level
Background Noise Level $L_{A90,1 \text{ hour}}$	36 dB	8.1	Modal Background Noise Level
Assessment Level	-11 dB	11	The background level is subtracted from the rating level.
Assessment	-11 dB		
Conclusion	The assessment level is 'Low Impact'		
Wiltshire Council Noise & Planning Technical Guidance	Achieved		

1.5 Conclusions

The operation of the existing premises between the morning hours of 06:00 – 07:30 and the evening hours of 22:00 – 00:00 has been assessed to cover the proposed extension of hours and has been carried out to establish if the proposals will have a demonstrable adverse effect in terms of noise that outweigh the benefits of the proposed hours of extension. Measurements have been undertaken in accordance with ISO 1996 – Part 2: 2017. This report has established the existing background noise levels at the closest residential façade to the nearby residential properties directly adjacent. The resulting emissions from the site running on a worst-case scenario show no conflict with 'Low Impact' and give a strong indication that complaints and impact on the local amenity is unlikely based on the proposed hours of extension.

1.6 NPPF 2026

The proposal has been considered against the National Planning Policy Framework (NPPF) published in August 2026. The NPPF promotes sustainable development whilst ensuring that new development protects the health, wellbeing and living conditions of existing and future occupants.

Of particular relevance to this assessment is Policy P3, which requires development to avoid unacceptable noise impacts, minimise adverse effects where possible, and ensure that noise exposure does not result in a significant observed adverse effect on health or quality of life. The NPPF also recognises the wider benefits of sustainable development, including measures that support the transition to a low-carbon future, and requires planning decisions to be made having regard to the overall planning balance.

The noise assessment demonstrates that operational noise from the proposed development would remain below existing background sound levels at nearby residential receptors. The development is therefore considered to satisfy the intent of Policy P3 in relation to noise and residential amenity. Accordingly, any residual noise effects are considered negligible, and there are no noise-related constraints that would prevent the development from complying with the objectives of the NPPF 2026.

1.7 Planning Approval Recommendation

The proposed development has been assessed in accordance with BS 4142:2014+A1:2019 and the relevant provisions of the NPPF 2026. The assessment demonstrates that operational noise levels would remain below the prevailing background sound levels at the nearest residential properties and would not give rise to significant adverse effects on residential amenity. The proposal is therefore considered acceptable in noise terms, with a low residual planning risk. Having regard to the requirements of Policy P3 and the wider objectives of sustainable development within the NPPF 2026, there is no acoustic reason why planning permission should not be granted.

2 INTRODUCTION

2.1 Instruction

Sound Advice Acoustics Ltd have been instructed by Wiltshire Distillery to undertake a background noise survey at the existing premises at Upper Kingstead Barn, Fonthill Bishop, Salisbury, Wiltshire, SP3 5SG to understand the level of impact at the existing site in relation to the hours of extension over the various days and times, as detailed within a variation to condition 14 under application number PL/2026/02141.

The purpose of this assessment is to ensure the acoustic protection of noise sensitive premises closest to the existing residential property. Noise sensitive premises are not restricted to residential dwellings as offices can be affected by unwanted external noise. However, the residential property directly adjacent to the site has been identified as the nearest noise sensitive and therefore all calculations and assessments are to be made to this position.

2.2 Ambient Measurements

External noise levels are to be recorded over, what has been considered for the site, an average / typical time period in order to assess the noise levels within the time frame of the proposed extension hours.

2.3 Notice of Variance of Condition 14

The use hereby permitted shall only take place at the site between the hours of 0600 and 2200 Mondays to Saturday; and between 0800 and 1700 on Sundays. No activity in the distillery building will occur outside of the hours of 0730 to 2000.

REASON: In the interests of neighbouring residential amenities

Therefore, this environmental noise assessment looks to prove that the extension of hours will not have a detrimental effect on the immediate neighbour to the East of the existing premises and can be granted planning permission.

2.4 Proposed Hours of Extension

Variation sought to extend operating hours from Monday to Saturday 06:00am - 22:00pm and in the distillery building 07:30 – 20:00pm to

Monday to Saturday 06:00am - 00:00am and in the distillery building 06:00 – 00:00am.

2.5 National Planning Policy Framework 2026 & Noise Policy Statement for England 2010

References and evaluations are to be made to the National Planning Policy Framework 2026 (NPPF) and the Noise Policy Statement for England 2010 (NPSE). The purpose of this document is to include all aspects of environmental noise within assessments i.e. environmental noise, neighbour noise and neighbourhood noise. Noise is to be considered alongside other relevant issues relating to the site and should not be considered in isolation, according to the NPSE.

There are several key phrases within the NPSE aims and these are discussed below.

2.6 “Significant adverse” and “adverse”

There are two established concepts from toxicology that are currently being applied to noise impacts, for example, by the World Health Organisation. They are:

2.7 NOEL – No Observed Effect Level

This is the level below which no effect can be detected. In simple terms, below this level, there is no detectable effect on health and quality of life due to the noise.

2.8 LOAEL – Lowest Observed Adverse Effect Level

This is the level above which adverse effects on health and quality of life can be detected.

Extending these concepts for the purpose of this NPSE leads to the concept of a significant observed adverse effect level.

2.9 SOAEL – Significant Observed Adverse Effect Level

This is the level above which significant adverse effects on health and quality of life occur.

It is not possible to have a single objective noise-based measure that defines SOAEL that is applicable to all sources of noise in all situations. Consequently, the SOAEL is likely to be different for different noise sources, for different receptors and at different times. It is acknowledged that further research is required to increase our understanding of what may constitute a significant adverse impact on health and quality of life from noise. However, not having specific SOAEL values in the NPSE provides the necessary policy flexibility until further evidence and suitable guidance is available.

The following table summarises the noise exposure hierarchy, based on the likely average response of those affected.

Response	Examples of Outcome	Increasing Effect Level	Action
Not Present	No Effect	No Observed Effect	No Specific Measures Required
Present and not Intrusive	Noise can be heard, but does not cause any change in behaviour, attitude or other physiological response. Can slightly affect the acoustic character of the area but not such that there is a change in the quality of life	No Observed Adverse Effect	No Specific Measures Required
Present and Intrusive	Noise can be heard and causes small changes in behaviour, attitude or other physiological response, e.g. turning up volume of television; speaking more loudly; where there is no alternative ventilation, having to close windows for some of the time because of the noise. Potential for some reported sleep disturbance. Affects the acoustic character of the area such that there is a small actual or perceived change in the quality of life.	Lowest Observed Adverse Effect Level	Mitigate and Reduce to a Minimum
Present and Disruptive	The noise causes a material change in behaviour, attitude or other physiological response, e.g. avoiding certain activities during periods of intrusion; where there is no alternative ventilation, having to keep windows closed most of the time because of the noise. Potential for sleep disturbance resulting in difficulty in getting to sleep, premature awakening and difficulty in getting back to sleep. Quality of life diminished due to change in acoustic character of the area.	Significantly Observed Adverse Effect	Avoid
Present and Very Disruptive	Extensive and regular changes in behaviour, attitude or other physiological response and/or an inability to mitigate effect of noise leading to psychological stress, e.g. regular sleep deprivation/awakening; loss of appetite, significant, medically definable harm, e.g. auditory and non-auditory.	Unacceptable Adverse Effect Level	Prevent

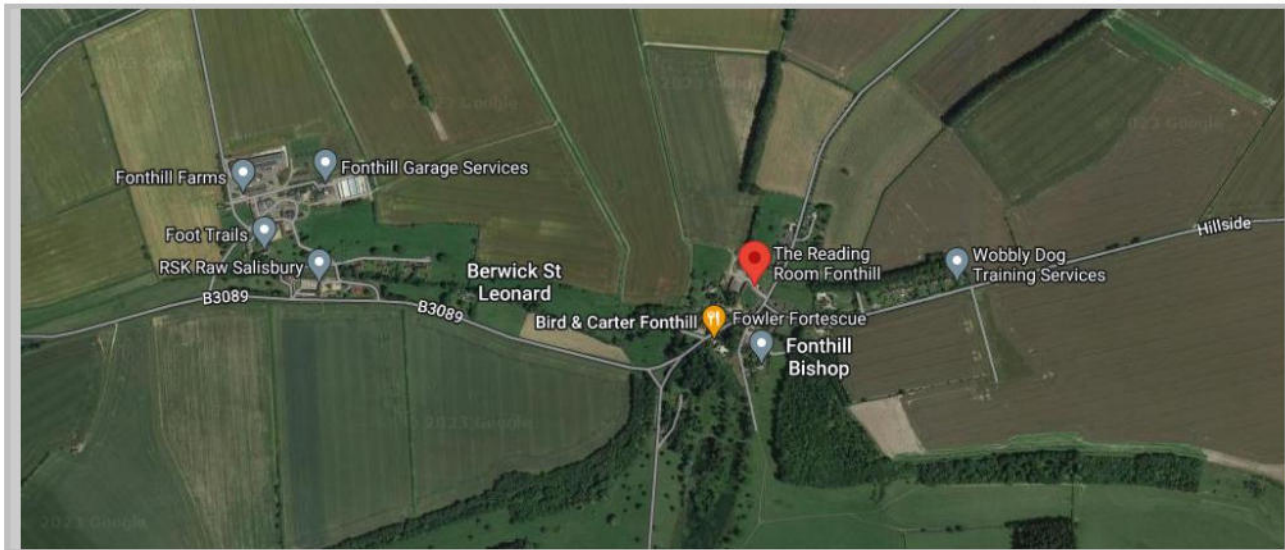
I therefore attribute the following relationship between these effect levels and the excess over background to be a true comparison between these statements and values. In the absence of any definitive standard or guidelines relating specifically to patron noise from theatres, the following categories are derived from BS 4142: 2014 +A1:2019. While patron noise falls outside the scope of this standard, it sets a good point of reference for assessing acoustic effects on background noise level increases from noise sources and their direct relationship with these limits.

PPG Assessment	PPG Effect Level	Assessment Conclusion	Excess Over Background
No Observed Effect Level (NOEL)	No Observed Effect	Low Impact	< 0 dB(A)
No Observed Adverse Effect Level (NOAEL)	No Observed Adverse Effect		0 – <5 dB(A)
Lowest Observed Adverse Effect Level (LOAEL)	Observed Adverse Effect	Adverse Impact	5 – <10 dB(A)
Significantly Observed Adverse Effect Level (SOAEL)	Significantly Observed Adverse Effect	Significant Adverse Impact	+10 dB(A) Contextual Scale

3 SITE LOCATION

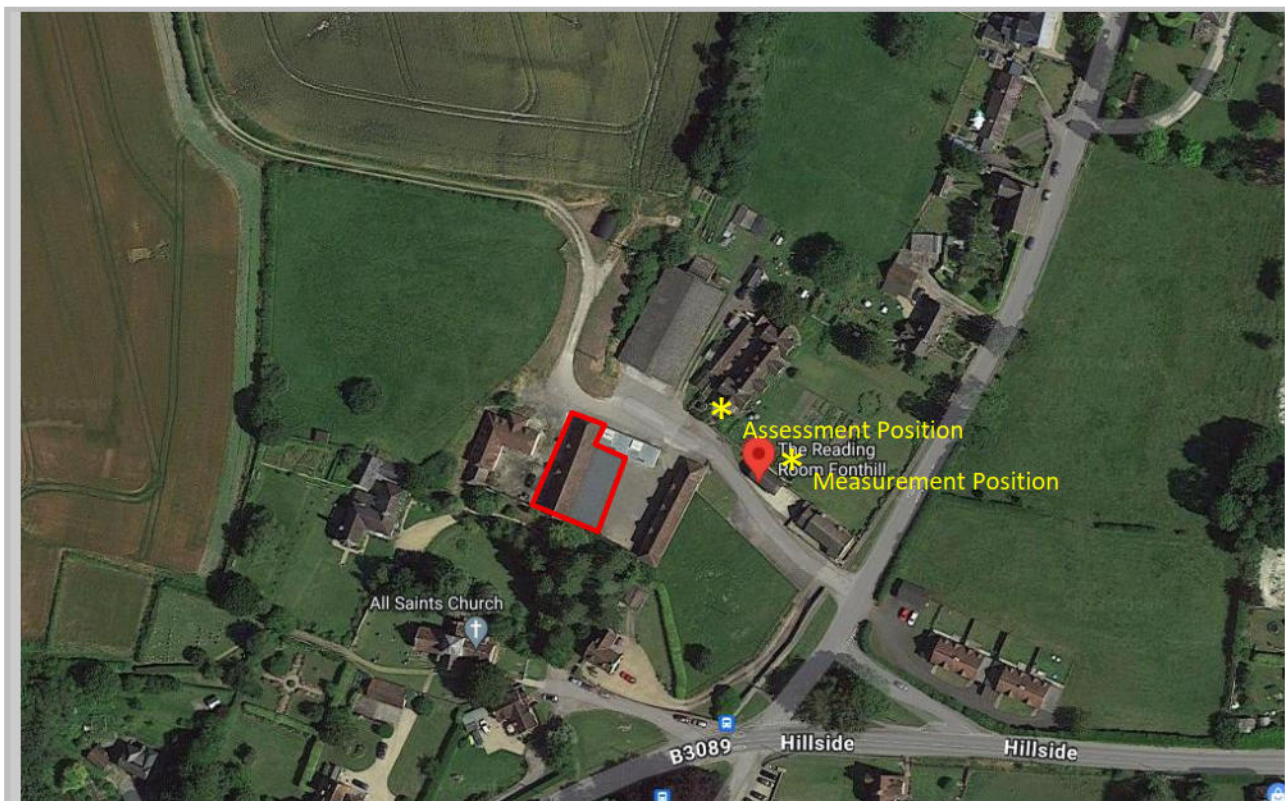
3.1 Position of Site in Wider Area

The site is located in Salisbury.



3.2 Assessment Position and Background Position

Continuous measurements were undertaken at the assessment position between the 24th – 28th July 2026. Measurement was undertaken at ground floor level at the representative nearest noise sensitive premises / receptor in accordance with ISO1996 part 2: 2017.



4 RESULTS

4.1 Downloaded results, and averages

4.1.1 07:00 – 07:00 24th – 25th July 2026

NOISE LEVEL SUMMARY ASSESSMENT			Octave Band Centre Frequency (Hz)									
Date / Time	LAeq	LAmaz	LA90	63	125	250	500	1.0k	2.0k	4.0k	8.0k	16.0k
DAYTIME 07:00 - 23:00 LA90 1 HOUR & Corresponding LAeq 1 HOUR	48.8	82.4	40.0	55.4	48.8	44.6	44.7	45.2	39.1	39.7	33.0	31.0
NIGHT TIME 23:00 - 07:00 LA90 15 MIN & Corresponding LAeq 15 MIN	56.6	93.3	28.0	43.7	35.1	32.1	35.8	36.8	32.0	49.3	55.7	40.6

4.1.2 07:00 – 07:00 25th – 26th July 2026

NOISE LEVEL SUMMARY ASSESSMENT			Octave Band Centre Frequency (Hz)									
Date / Time	LAeq	LAmaz	LA90	63	125	250	500	1.0k	2.0k	4.0k	8.0k	16.0k
DAYTIME 07:00 - 23:00 LA90 1 HOUR & Corresponding LAeq 1 HOUR	48.2	88.2	40.0	55.3	47.7	44.1	42.8	42.4	37.2	39.6	42.9	32.6
NIGHT TIME 23:00 - 07:00 LA90 15 MIN & Corresponding LAeq 15 MIN	54.0	94.5	30.0	43.6	36.2	31.4	33.8	33.7	30.3	46.0	53.4	38.1

4.1.3 07:00 – 07:00 26th – 27th July 2026

NOISE LEVEL SUMMARY ASSESSMENT			Octave Band Centre Frequency (Hz)									
Date / Time	LAeq	LAmaz	LA90	63	125	250	500	1.0k	2.0k	4.0k	8.0k	16.0k
DAYTIME 07:00 - 23:00 LA90 1 HOUR & Corresponding LAeq 1 HOUR	54.6	103.8	44.0	56.9	48.6	42.2	43.5	46.5	48.7	46.6	49.0	42.5
NIGHT TIME 23:00 - 07:00 LA90 15 MIN & Corresponding LAeq 15 MIN	45.6	90.2	27.0	46.7	38.5	33.8	36.6	37.5	33.1	37.6	43.2	32.6

4.1.4 07:00 – 07:00 27th – 28th July 2026

NOISE LEVEL SUMMARY ASSESSMENT			Octave Band Centre Frequency (Hz)									
Date / Time	LAeq	LAmaz	LA90	63	125	250	500	1.0k	2.0k	4.0k	8.0k	16.0k
DAYTIME 07:00 - 23:00 LA90 1 HOUR & Corresponding LAeq 1 HOUR	47.2	82.4	40.0	54.7	47.0	44.0	44.4	43.0	38.0	35.7	33.7	31.6
NIGHT TIME 23:00 - 07:00 LA90 15 MIN & Corresponding LAeq 15 MIN	52.8	88.9	26.0	53.7	54.8	49.4	45.6	44.9	42.8	43.7	49.0	36.3

5 APPARATUS

5.1 Equipment Calibration

The equipment was calibrated using a sound pressure level of 114.0 dB at an octave band centre frequency of 1000Hz with reference to $2 \times 10^{-5} \text{ Nm}^{-2}$ before and after the tests and the equipment set to have no inaccuracy greater than 0.2 dB.

All the following equipment was calibrated in accordance with the laboratory accreditation requirements of the United Kingdom Accreditation Service (UKAS) on the following dates. Calibration schedules are implemented within Sound Advice Acoustics Ltd in accordance with UKAS directive LAB 23.

5.2 Position 1

Description	Make	Type	Serial No.	Calibration Intervals	Cert No.	Last Calibrated	Next Due Calibration
Integrated Sound Level Meter	Norsonic	140	1402941	2 YEARS	48450	30.07.2024	30.07.2026
12.5mm Microphone (with windshield)	GRAS	40AF	179711	2 YEARS	48449	30.07.2024	30.07.2026
Microphone Pre – Amplifier	Norsonic	1209	30479	2 YEARS	48450	30.07.2024	30.07.2026

The noise meter was calibrated before and after the assessment period and found to be within the tolerance of the manufacturer's guidance. Full Calibration certificates are available upon request.

6 CALCULATIONS

6.1 Extension of Hours

It is understood that an application has been submitted seeking an extension to the existing operating hours of the site. The proposed extension of hours relates solely to the distillery building, with no changes to the existing hours of operation or activities associated with the warehouse building.

The proposed changes comprise extensions to both the morning and evening operating periods. Given the differing operating conditions and potential noise impacts associated with these periods, the assessment has therefore considered the proposed extension of hours separately for the morning and evening periods.

6.2 Morning Extended Hours 06:00 – 07:30

Noise levels were recorded of the current processes that are proposed to be operational during the extended morning period as a sound pressure level and then converted to a sound power level. These are shown in the table below.

6.2.1 Recorded Noise Levels

Activity/Description	L _{Aeq}	Octave Band Centre Frequency (Hz)						
		63	125	250	500	1k	2k	4k
Mixer on fermenting vessel	75.2	64	72.8	65.6	76.3	65.3	66.4	61.5
Transfer low wine to still via heat exchanger	80.9	68.3	74.1	74.4	75	75.1	75.2	72.1
Transfer wash via heat exchanger	75.4	73.7	73.2	69.8	67.8	65.1	65	61.8
Total	82.1	75.1	78.2	76.1	79.0	75.9	76.1	72.8

6.3 Evening Extended Hours 22:00 – 00:00

Noise levels were recorded of the current processes that are proposed to be operational during the extended evening period as a sound pressure level and then converted to a sound power level. These are shown in the table below.

Activity/Description	L _{Aeq}	Octave Band Centre Frequency (Hz)						
		63	125	250	500	1k	2k	4k
Discharge of wash still	81.0	70.7	71	70.2	71.3	76.4	75.3	71.8
Discharge of spirit still	70.2	65.2	78.2	69.2	62.9	64.1	62.3	60.7
Total	80.9	71.8	79.0	72.7	71.9	76.6	75.5	72.1

6.4 Combined Transmission Loss

The barn is constructed of several elements and therefore the following combined transmission loss value calculations have been carried out:-

Distillery North Wall	Octave Band Centre Frequency (Hz)						
	63	125	250	500	1	2	4
AREA SECTION 1 - Wall Stone	46	46	46	46	46	46	46
SRI SECTION 1 - Wall Stone	52	58	65	71	75	80	85
R TOTAL	52	58	65	71	75	80	85
Distillery East Wall	Octave Band Centre Frequency (Hz)						
	63	125	250	500	1	2	4
AREA SECTION 1 - Wall Solid Block	4	4	4	4	4	4	4
SRI SECTION 1 - Wall Solid Block	52	58	65	71	75	80	85
R TOTAL	52	58	65	71	75	80	85
Distillery Roof	Octave Band Centre Frequency (Hz)						
	63	125	250	500	1	2	4
AREA SECTION 1 - Roof	135	135	135	135	135	135	135
SRI SECTION 1 - Roof	24	28	33	37	40	36	43
R TOTAL	24	28	33	37	40	36	43
Lean to Shutters	Octave Band Centre Frequency (Hz)						
	63	125	250	500	1	2	4
AREA SECTION 1 - Shutter	72	72	72	72	72	72	72
SRI SECTION 1 - Shutter	16	17	21	35	47	60	66
R TOTAL	16	17	21	35	47	60	66
Lean to Roof	Octave Band Centre Frequency (Hz)						
	63	125	250	500	1	2	4
AREA SECTION 1 - Roof	34	34	34	34	34	34	34
SRI SECTION 1 - Roof	16	17	21	35	47	60	66
R TOTAL	16	17	21	35	47	60	66

6.5 Inside to Outside Calculations Morning

Based on the above combined transmission loss calculations, the following inside to outside calculations have been carried out:-

Proposed Constructions	Octave Band Centre Frequency (Hz)							Lw dB
Inside to Outside North Wall	63.0	125	250	500	1k	2k	4k	
Inside Sound Power	75.1	78.2	76.1	79.0	75.9	76.1	72.8	
Combined R	52	58	65	71	75	80	85	
10xLog (S)	16.6	16.6	16.6	16.6	16.6	16.6	16.6	
Free Field Correction	6	6	6	6	6	6	6	
Calculated Radiating Sound Power	33.7	30.8	21.7	18.6	11.5	6.7	-1.6	20.5
Inside to Outside East Wall	63	125	250	500	1k	2k	4k	
Inside Sound Power	75.1	78.2	76.1	79.0	75.9	76.1	72.8	
Combined R	52	58	65	71	75	80	85	
10xLog (S)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	
Free Field Correction	6	6	6	6	6	6	6	
Calculated Radiating Sound Power	23.1	20.2	11.1	8.0	0.9	-3.9	-12.2	9.9
Inside to Outside Distillery Roof	63	125	250	500	1k	2k	4k	
Inside Sound Power	75.1	78.2	76.1	79.0	75.9	76.1	72.8	
Combined R	24.0	28.0	33.0	37.0	40.0	36.0	43.0	
10xLog (S)	21.3	21.3	21.3	21.3	21.3	21.3	21.3	
Free Field Correction	6.0	6.0	6.0	6.0	6.0	6.0	6.0	
Calculated Radiating Sound Power	66.4	65.5	58.4	57.3	51.2	55.4	45.1	60.3
Inside to Outside Lean to Shutters	63	125	250	500	1k	2k	4k	
Inside Sound Power	75.1	78.2	76.1	79.0	75.9	76.1	72.8	
Combined R	16	17	21	35	47	60	66	
10xLog (S)	18.6	18.6	18.6	18.6	18.6	18.6	18.6	
Free Field Correction	6	6	6	6	6	6	6	
Calculated Radiating Sound Power	71.7	73.8	67.7	56.6	41.5	28.7	19.4	62.1
Inside to Outside Lean to Roof	63	125	250	500	1k	2k	4k	
Inside Sound Power	75.1	78.2	76.1	79.0	75.9	76.1	72.8	
Combined R	16	17	21	35	47	60	66	
10xLog (S)	15.3	15.3	15.3	15.3	15.3	15.3	15.3	
Free Field Correction	6	6	6	6	6	6	6	
Calculated Radiating Sound Power	68.4	70.5	64.4	53.3	38.2	25.4	16.1	58.8

6.5.1 Inputted Source Noise Levels

The following levels have been inputted into the CADNA A 3D modelling software in order to calculate the resultant operational noise levels at the nearest noise sensitive premises.

Sound Levels (local)															
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Name	ID	Type	Oktave Spectrum (dB)												Source
			Weight.	31.5	63	125	250	500	1000	2000	4000	8000	A	lin	
roof	roof	Li		0.0	66.4	65.5	58.4	57.3	51.2	55.4	45.1	0.0	60.3	69.8	
north	north	Li		0.0	33.7	30.8	21.7	18.6	11.5	6.7	-1.6	0.0	20.5	35.8	
east	east	Li		0.0	23.1	20.2	11.1	8.0	0.9	-3.9	-12.2	0.0	10.2	25.2	
shutterdoors	shutterdoors	Li		0.0	71.7	73.8	67.7	56.6	41.5	28.7	19.4	0.0	62.2	76.5	
Leantorroof	Leantorroof	Li		0.0	68.4	70.5	64.4	53.3	38.2	25.4	16.1	0.0	58.9	73.2	

6.5.2 Calculated Façade Noise Levels



6.6 Inside to Outside Calculations Evening

Based on the above combined transmission loss calculations, the following inside to outside calculations have been carried out:-

Proposed Constructions	Octave Band Centre Frequency (Hz)							Lw dB
Inside to Outside North Wall	63.0	125	250	500	1k	2k	4k	
Inside Sound Power	71.8	79.0	72.7	71.9	76.6	75.5	72.1	
Combined R	52	58	65	71	75	80	85	
10xLog (S)	16.6	16.6	16.6	16.6	16.6	16.6	16.6	
Free Field Correction	6	6	6	6	6	6	6	
Calculated Radiating Sound Power	30.4	31.6	18.3	11.5	12.2	6.1	-2.3	18.9
Inside to Outside East Wall	63	125	250	500	1k	2k	4k	
Inside Sound Power	71.8	79.0	72.7	71.9	76.6	75.5	72.1	
Combined R	52	58	65	71	75	80	85	
10xLog (S)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	
Free Field Correction	6	6	6	6	6	6	6	
Calculated Radiating Sound Power	19.8	21.0	7.7	0.9	1.6	-4.5	-12.9	8.3
Inside to Outside Distillery Roof	63	125	250	500	1k	2k	4k	
Inside Sound Power	71.8	79.0	72.7	71.9	76.6	75.5	72.1	
Combined R	24.0	28.0	33.0	37.0	40.0	36.0	43.0	
10xLog (S)	21.3	21.3	21.3	21.3	21.3	21.3	21.3	
Free Field Correction	6.0	6.0	6.0	6.0	6.0	6.0	6.0	
Calculated Radiating Sound Power	63.1	66.3	55.0	50.2	51.9	54.8	44.4	58.9
Inside to Outside Lean to Shutters	63	125	250	500	1k	2k	4k	
Inside Sound Power	71.8	79.0	72.7	71.9	76.6	75.5	72.1	
Combined R	16	17	21	35	47	60	66	
10xLog (S)	18.6	18.6	18.6	18.6	18.6	18.6	18.6	
Free Field Correction	6	6	6	6	6	6	6	
Calculated Radiating Sound Power	68.4	74.6	64.3	49.5	42.2	28.1	18.7	60.6
Inside to Outside Lean to Roof	63	125	250	500	1k	2k	4k	
Inside Sound Power	71.8	79.0	72.7	71.9	76.6	75.5	72.1	
Combined R	16	17	21	35	47	60	66	
10xLog (S)	15.3	15.3	15.3	15.3	15.3	15.3	15.3	
Free Field Correction	6	6	6	6	6	6	6	
Calculated Radiating Sound Power	65.1	71.3	61.0	46.2	38.9	24.8	15.4	57.3

6.6.1 Inputted Source Noise Levels

The following levels have been inputted into the CADNA A 3D modelling software in order to calculate the resultant operational noise levels at the nearest noise sensitive premises.

Sound Levels (local)

OK

Cancel

Copy...

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Adjust Col. Width

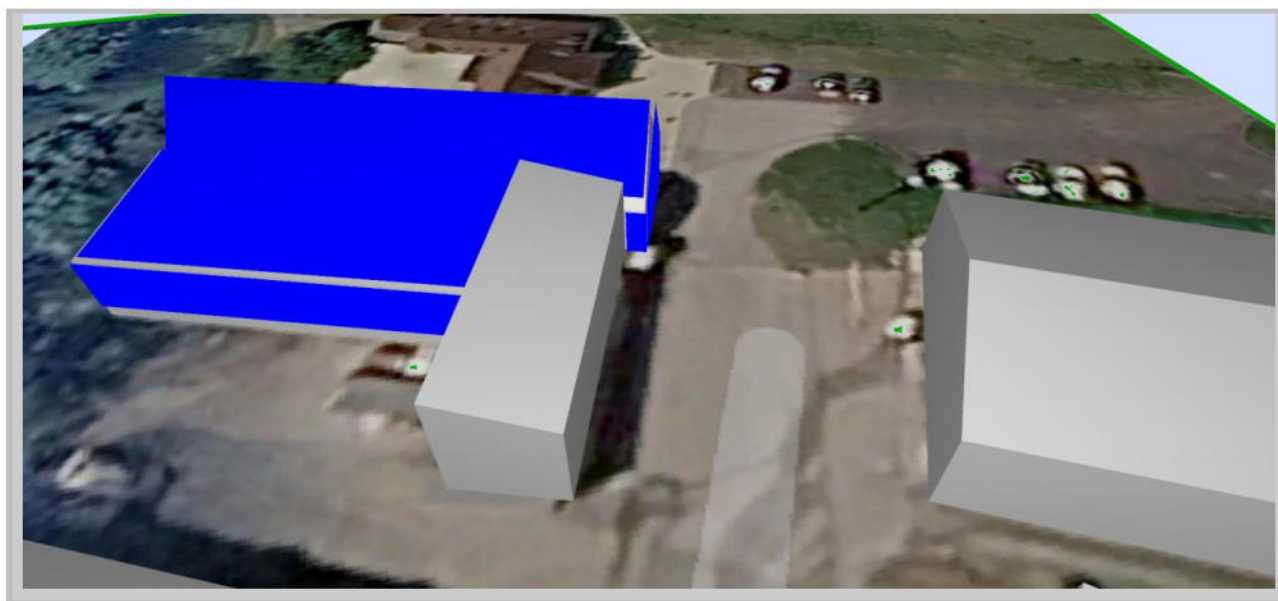
Help

Name	ID	Type	Oktave Spectrum (dB)												Source
			Weight.	31.5	63	125	250	500	1000	2000	4000	8000	A	lin	
roof	roof	Li		0.0	63.1	66.3	55.0	50.2	51.9	54.8	44.4	0.0	59.0	68.6	
north	north	Li		0.0	30.4	31.6	18.3	11.5	12.2	6.1	-2.3	0.0	18.9	34.2	
east	east	Li		0.0	19.8	21.0	7.7	0.9	1.6	-4.5	-12.9	0.0	8.7	23.7	
shutterdoors	shutterdoors	Li		0.0	68.4	74.6	64.3	49.5	42.2	28.1	18.7	0.0	60.6	75.9	
Leantoroof	Leantoroof	Li		0.0	65.1	71.3	61.0	46.2	38.9	24.8	15.4	0.0	57.3	72.6	

6.6.2 Calculated Façade Noise Levels



6.7 3D View



Based on the above being achieved, the following noise assessment can be concluded.

7 BS4142:2014+A1: 2019 NOISE ASSESSMENT

7.1 Criteria

We have calculated the nearest noise sensitive premises to that of the adjacent residential property with the existing distillery building being no closer than 34m away.

7.2 Scope of British Standard 4142: 2014+A1: 2019

In the assessment of the existing surrounding commercial premises, consideration has been given to the scope of British Standard 4142:2014+A1:2019, which in section 1, details applicability of this standard to rating assessing sound of an industrial and/or commercial nature. It is considered appropriate that both the background noise levels and the rating noise levels obtained fall within the scope of British Standard 4142:2014+A1:2019 by using outdoor sound levels to assess the effect of sound on local residents.

7.3 Terms and Definitions

Symbol	Term	Definition
AP	Assessment Position	Position externally at the façade property under investigation at which the assessment is undertaken which is usually 1m from the 1 st floor bedroom window.
EP	Equivalent Position	Position at which the background noise levels are measured if there is no access to the assessment position or if source under investigation is audible.
$L_s = L_{Aeq,T}$	Specific Level	The average continuous equivalent sound pressure level of the source at the assessment position.
$L_{Ar,T}$	Rating Level	The average continuous equivalent sound pressure level of the source at the assessment position with a correction to account for the characteristic features.
$L_r = L_{Aeq,T}$	Residual Level	The average continuous equivalent sound pressure level at the assessment position without the source operating.
$L_{A90,T}$	Background Level	The sound pressure level that is not exceeded 90% of the time at the assessment position.
$L_a = L_{Aeq,T}$	Ambient Level	The totally encompassing sound at the assessment position including the residual and specific noise.

7.4 Assessment Position

The assessment position 1 was established as the residential properties adjacent and no closer than 34m from the existing distillery building.

7.5 Rating Levels (Character Correction)

It is appropriate to add a character correction where there is a new source that cannot be measured in line with BS 4142:2014+A1:2019. There are 3 methods for approaching this.

- Subjective method
- Objective method (for tonality)
- Reference method

7.6 Subjective Method

The subjective method establishes a rating penalty that is added to the specific noise level if any of the following is present at the assessment position. If a tone is expected to be present a character correction of 0 dB to 6 dB is added depending on how perceptible it is at noise sensitive locations.

BS 4142:2014+A1:2019 – Section 9.2 Subjective Method	Perceptibility to noise sensitive facades	Correction
Tonality Ranging from not tonal to prominently tonal	Not tonal	+0
	Just perceptible	+2
	Clearly perceptible	+4
	Highly perceptible	+6

If the source is expected to be impulsive a character correction of 0 dB to 9 dB is added depending on how perceptible it is at noise sensitive locations.

BS 4142:2014+A1:2019 – Section 9.2 Subjective Method	Perceptibility to noise sensitive facades	Correction
Impulsivity Considering both the rapidity and any overall change in sound levels	Not impulsive	+0
	Just perceptible	+3
	Clearly perceptible	+6
	Highly perceptible	+9

When the sound features are neither tonal nor impulsive, a character correction of +3 is added for the readily distinctive quality against the acoustic environment or for the intermittency of the source.

BS 4142:2014+A1:2019 – Section 9.2 Subjective Method	Perceptibility to noise sensitive facades	Correction
Readily Distinctive	Is not present	+0
	Is present	+3
Intermittency	Is not present	+0
	Is present	+3

7.7 Assessment Criterion

The significance of the resulting noise on the residential property depends on the margin by which it exceeds the background noise levels. British Standard 4142:2014+A1:2019 provides the following guidance within section 11.

Difference	Assessment of Impact
+10 dB	Indication of a significant adverse impact
+5 dB	Indication of an adverse impact
+0 dB	Indication of low impact

7.8 Assessments

7.8.1 Morning (06:00 – 07:30).

Item	Calculation	Clause	Commentary
Specific Noise Level $L_{Aeq,1\text{ hour}}$	22 dB	7	Calculated using ISO 9613:1996 ^[3] .
Intermittency	+3 dB	8.1	Intermittency Characteristic
Impulsivity	+3 dB	8.1	Impulsive Characteristic
Rating Level	27 dB	9.1	The acoustic feature correction is added to the specific noise level
Background Noise Level $L_{A90,1\text{ hour}}$	36 dB	8.1	Modal Background Noise Level
Assessment Level	-9 dB	11	The background level is subtracted from the rating level.
Assessment	-9 dB		
Conclusion	The assessment level is 'Low Impact'		
Wiltshire Council Noise & Planning Technical Guidance	Achieved		

7.8.2 Evening (22:00 – 00:00).

Item	Calculation	Clause	Commentary
Specific Noise Level $L_{Aeq,1\text{ hour}}$	20 dB	7	Calculated using ISO 9613:1996 ^[3] .
Intermittency	+3 dB	8.1	Intermittency Characteristic
Impulsivity	+3 dB	8.1	Impulsive Characteristic
Rating Level	25 dB	9.1	The acoustic feature correction is added to the specific noise level
Background Noise Level $L_{A90,1\text{ hour}}$	36 dB	8.1	Modal Background Noise Level
Assessment Level	-11 dB	11	The background level is subtracted from the rating level.
Assessment	-11 dB		
Conclusion	The assessment level is 'Low Impact'		
Wiltshire Council Noise & Planning Technical Guidance	Achieved		

7.9 Assessment Conclusion

The background noise levels were measured at the equivalent position, chosen as it most represented the closest noise sensitive façade, located within the existing garden area between 07:00 on 24th July and 07:00 on 28th July 2026.

It can be seen from the above assessments that with the distillery achieving the proposed maximum noise level criteria detailed within this report, an assessment conclusion of Low Impact could be expected. Therefore, no further mitigation measures would be required.

8 NPPF & NPSE

8.1 The National Planning Policy Framework 2026 (NPPF)

The National Planning Policy Framework 2026 (NPPF) and assessments to the Noise Policy Statement for England 2010 (NPSE) should be made in conjunction with each other. The National Planning Policy Framework 2026 (NPPF), published on 17 August 2026, contains specific national decision-making policies relating to living conditions, pollution and the impact of development on existing activities.

8.2 Policy P3 – Living Conditions and Pollution

Development proposals should provide acceptable living conditions for occupiers and users, including appropriate access to daylight and sunlight and avoiding exposure to levels of air, noise, artificial light or other sources of pollution which could have an unacceptable adverse effect on health and wellbeing.

Within this context development proposals should:

- a) Mitigate the effect of existing pollution on the site where necessary to secure acceptable conditions for occupiers and users and, where possible, take opportunities to reduce pollution affecting the wider area. In doing so consideration should be given to the cumulative effect of pollution from multiple sources and to whether intended occupiers or users may be particularly vulnerable to its effects;
- b) Not result in levels of noise exposure which would have a significant observed adverse effect, and maintain the character of tranquil areas (those that have remained relatively undisturbed by noise from human sources and are prized for their recreational and amenity value for this reason).

In applying this policy, it should not be assumed that other regimes for the control of pollution will necessarily eliminate emissions completely.

8.3 Policy P4 – Impact of development on existing activities

Existing businesses, community facilities, public services and defence and security activities should not have unreasonable restrictions placed on their current or permitted operations as a result of development being approved after they were established. This means that development proposals should be capable of being integrated effectively with existing business, community and public service activities and infrastructure in their vicinity (including, but not limited to, uses such as pubs, music venues, places of worship, sports clubs, blue light services, defence, electricity network infrastructure and industrial and waste sites).

Where the operation of an existing activity could have a significant adverse effect on a proposed new development in its vicinity, development proposals should identify the nature of the potential impacts, informed where necessary by early discussions between the applicant (i.e. the ‘agent of change’) and those existing uses which could be affected by the proposal to inform the scope for mitigation. Development proposals should be able to demonstrate that suitable mitigation can be provided before the development has begun to be occupied, if the development is to be acceptable.

Planning conditions or obligations should be used to secure agreed mitigation measures. This applies to new development involving changes of use of land and property, as well as new construction. Both current and permitted levels of operation of existing activities should be taken into account when applying this policy.

The Noise Policy Statement for England gives various levels of effect as detailed within this report. The NPSE remains relevant to the interpretation of noise effects, including NOEL, LOAEL and SOAEL.

9 CONCLUSIONS

Continuous noise measurements were recorded from 24th – 28th July 2026. It was determined that the modal background noise level in the morning between 06:00 – 07:30 and in the evening between 22:00 – 00:00 was L_{A90} 36 dB.

9.1 Assessment

9.1.1 Morning (06:00 – 07:30).

Item	Calculation	Clause	Commentary
Rating Level	27 dB	9.1	The acoustic feature correction is added to the specific noise level
Background Noise Level $L_{A90,1 \text{ hour}}$	36 dB	8.1	Modal Background Noise Level
Assessment Level	-9 dB	11	The background level is subtracted from the rating level.
Assessment	-9 dB		
Conclusion	The assessment level is 'Low Impact'		
Wiltshire Council Noise & Planning Technical Guidance	Achieved		

9.1.2 Evening (22:00 – 00:00).

Item	Calculation	Clause	Commentary
Rating Level	25 dB	9.1	The acoustic feature correction is added to the specific noise level
Background Noise Level $L_{A90,1 \text{ hour}}$	36 dB	8.1	Modal Background Noise Level
Assessment Level	-11 dB	11	The background level is subtracted from the rating level.
Assessment	-11 dB		
Conclusion	The assessment level is 'Low Impact'		
Wiltshire Council Noise & Planning Technical Guidance	Achieved		

9.2 Conclusions

The operation of the existing premises between the morning hours of 06:00 – 07:30 and the evening hours of 22.00 – 00:00 has been assessed to cover the proposed extension of hours and has been carried out to establish if the proposals will have a demonstrable adverse effect in terms of noise that outweigh the benefits of the proposed hours of extension. Measurements have been undertaken in accordance with ISO 1996 – Part 2: 2017. This report has established the existing background noise levels at the closest residential façade to the nearby residential properties directly adjacent. The resulting emissions from the site running on a worst-case scenario show no conflict with ‘Low Impact’ and give a strong indication that complaints and impact on the local amenity is unlikely based on the proposed hours of extension.

9.3 NPPF 2026

The proposal has been considered against the National Planning Policy Framework (NPPF) published in August 2026. The NPPF promotes sustainable development whilst ensuring that new development protects the health, wellbeing and living conditions of existing and future occupants.

Of particular relevance to this assessment is Policy P3, which requires development to avoid unacceptable noise impacts, minimise adverse effects where possible, and ensure that noise exposure does not result in a significant observed adverse effect on health or quality of life. The NPPF also recognises the wider benefits of sustainable development, including measures that support the transition to a low-carbon future, and requires planning decisions to be made having regard to the overall planning balance.

The noise assessment demonstrates that operational noise from the proposed development would remain below existing background sound levels at nearby residential receptors. The development is therefore considered to satisfy the intent of Policy P3 in relation to noise and residential amenity. Accordingly, any residual noise effects are considered negligible, and there are no noise-related constraints that would prevent the development from complying with the objectives of the NPPF 2026.

9.4 Planning Approval Recommendation

The proposed development has been assessed in accordance with BS 4142:2014+A1:2019 and the relevant provisions of the NPPF 2026. The assessment demonstrates that operational noise levels would remain below the prevailing background sound levels at the nearest residential properties and would not give rise to significant adverse effects on residential amenity. The proposal is therefore considered acceptable in noise terms, with a low residual planning risk. Having regard to the requirements of Policy P3 and the wider objectives of sustainable development within the NPPF 2026, there is no acoustic reason why planning permission should not be granted.

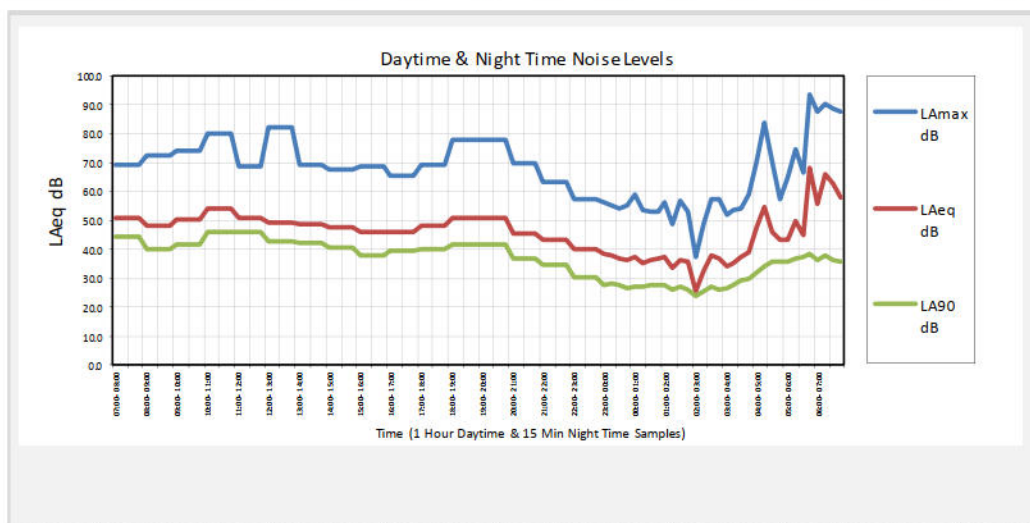
10 APPENDIX A – RESULTS

10.1 24th – 25th July 2026

NOISE LEVEL SUMMARY ASSESSMENT				Octave Band Centre Frequency (Hz)								
Date / Time	LAeq	LAmaz	LA90	63	125	250	500	1.0k	2.0k	4.0k	8.0k	16.0k
DAYTIME 07:00 - 23:00 LAeq 16 HOUR & Cor responding LAmaz 16 HOUR	48.8	82.4	40.0	55.4	48.8	44.6	44.7	45.2	39.1	39.7	33.0	31.0
NIGHT TIME 23:00 - 07:00 LAeq 8 HOUR & Cor responding LAmaz 8 HOUR	56.6	93.3	28.0	43.7	35.1	32.1	35.8	36.8	32.0	49.3	55.7	40.6

DAYTIME NOISE LEVELS 07:00 - 23:00 1 HOUR SAMPLES				Octave Band Centre Frequency (Hz)								
Date / Time	LAeq	LAmaz	LA90	63	125	250	500	1.0 k	2.0 k	4.0 k	8.0 k	16.0 k
07:00 - 08:00	50.6	69.3	44.4	58.5	50.8	46.5	46.3	46.9	41.4	40.9	37.8	31.1
08:00 - 09:00	48.2	72.3	40.3	52.9	43.5	43.8	45.6	44.1	38.7	38.6	34.3	30.8
09:00 - 10:00	50.5	74.3	41.8	53.7	50.8	46.7	45.2	43.7	38.4	46.3	35.0	31.1
10:00 - 11:00	53.8	79.8	45.8	59.7	53.9	47.9	45.7	51.6	44.4	42.7	35.3	31.0
11:00 - 12:00	50.6	68.4	45.8	62.0	52.0	46.4	44.7	45.9	42.3	43.4	35.7	31.2
12:00 - 13:00	49.5	82.4	42.6	54.9	49.6	46.3	45.0	45.1	39.8	42.1	33.0	31.0
13:00 - 14:00	48.5	69.4	42.1	54.7	53.3	48.0	45.4	44.2	37.6	36.6	33.1	30.8
14:00 - 15:00	47.7	67.7	40.7	54.5	49.8	46.0	44.9	43.9	37.8	35.6	30.2	30.7
15:00 - 16:00	48.0	68.8	37.8	52.7	43.5	38.5	41.0	43.3	37.6	34.7	28.9	30.7
16:00 - 17:00	48.2	65.2	39.6	52.7	44.3	37.8	40.7	43.0	36.6	38.1	33.7	30.8
17:00 - 18:00	48.1	69.1	39.9	53.0	43.4	42.6	45.9	44.5	38.0	37.0	32.0	31.6
18:00 - 19:00	50.9	77.7	41.7	51.6	45.4	45.8	50.0	47.2	40.4	36.3	30.4	30.8
19:00 - 20:00	45.7	69.9	37.0	49.6	45.7	42.1	43.4	42.0	36.4	33.6	29.0	30.7
20:00 - 21:00	43.3	63.3	34.8	49.1	38.7	37.4	39.7	41.2	33.3	28.0	26.2	30.6
21:00 - 22:00	40.0	67.4	30.6	45.8	36.0	32.4	35.2	38.3	30.3	23.9	25.3	30.7
22:00 - 23:00	40.5	62.4	29.5	45.8	35.1	32.0	35.7	38.8	30.7	24.8	25.5	32.0

NIGHT TIME NOISE LEVELS 23:00 - 07:00 15 MINUTE SAMPLES				Octave Band Centre Frequency (Hz)								
Date / Time	LAeq	LAmaz	LA90	63	125	250	500	1.0 k	2.0 k	4.0 k	8.0 k	16.0 k
23:00 - 23:15	38.6	56.3	27.6	40.6	33.7	30.7	34.0	37.2	28.1	23.2	25.2	31.1
23:15 - 23:30	38.0	55.2	28.1	43.2	34.0	29.9	32.8	36.4	28.3	23.4	25.2	31.7
23:30 - 23:45	37.0	54.0	27.6	42.1	35.1	29.9	31.7	35.3	27.0	23.3	25.1	33.1
23:45 - 00:00	36.4	55.0	26.7	43.2	33.2	29.3	30.7	34.5	27.9	23.9	25.2	30.8
00:00 - 00:15	37.2	58.9	27.0	47.7	34.3	30.1	32.9	35.1	28.3	23.5	25.2	30.4
00:15 - 00:30	35.4	53.8	27.3	39.6	32.7	28.8	31.3	33.4	26.4	22.9	25.2	30.6
00:30 - 00:45	36.1	52.9	27.7	43.8	33.9	30.1	31.3	33.8	26.6	23.3	25.2	34.7
00:45 - 01:00	37.0	53.2	27.9	44.9	32.5	29.8	32.1	35.4	27.4	23.1	25.2	32.1
01:00 - 01:15	37.5	56.2	27.6	43.7	33.5	30.0	32.5	35.8	27.9	23.4	25.2	31.7
01:15 - 01:30	33.8	48.8	26.3	38.1	31.4	28.0	29.7	31.7	25.0	22.8	25.1	30.9
01:30 - 01:45	36.2	56.8	27.0	41.3	32.6	30.5	34.1	33.7	25.3	23.0	25.1	30.4
01:45 - 02:00	35.9	53.2	26.1	38.7	31.9	27.6	31.1	34.2	26.7	22.9	25.1	30.5
02:00 - 02:15	25.7	37.5	24.1	34.3	30.5	24.9	24.2	21.0	19.8	22.4	25.1	30.4
02:15 - 02:30	32.6	48.5	25.3	38.1	32.3	27.8	28.3	30.6	23.4	22.5	25.1	30.4
02:30 - 02:45	38.0	57.3	26.9	40.0	31.8	28.7	32.8	36.4	28.8	23.2	25.1	30.4
02:45 - 03:00	36.7	57.3	26.1	39.9	32.2	27.2	31.5	35.2	27.1	23.5	25.1	30.4
03:00 - 03:15	34.3	51.8	26.8	36.0	31.8	27.7	29.8	32.6	24.9	22.5	25.0	30.4
03:15 - 03:30	35.4	53.6	27.5	36.8	31.6	28.6	31.6	33.4	25.9	22.8	25.2	32.4
03:30 - 03:45	37.2	53.9	29.3	40.0	34.8	31.4	32.1	33.7	25.8	26.7	32.4	30.4
03:45 - 04:00	38.9	59.2	30.0	37.3	32.3	29.9	33.0	36.1	28.6	29.6	31.7	30.4
04:00 - 04:15	47.5	70.4	31.9	41.7	32.7	30.5	34.8	36.7	29.2	39.4	46.4	33.4
04:15 - 04:30	54.9	83.8	33.9	36.9	32.1	29.5	35.7	33.9	31.1	46.9	54.5	38.7
04:30 - 04:45	48.0	70.1	36.0	42.6	33.6	31.8	38.4	38.5	33.1	39.1	42.8	32.0
04:45 - 05:00	43.1	57.4	35.7	45.8	33.7	32.2	39.8	39.4	34.4	34.1	29.3	30.4
05:00 - 05:15	43.4	64.8	36.0	43.8	33.3	31.8	38.7	38.5	34.7	36.5	34.8	30.5
05:15 - 05:30	49.8	74.6	36.7	39.0	33.1	32.4	38.9	38.5	35.4	47.2	42.9	31.7
05:30 - 05:45	45.1	66.4	37.2	46.3	37.7	35.6	40.4	41.3	37.3	36.6	30.3	30.5
05:45 - 06:00	68.4	93.3	38.4	46.2	39.9	35.5	39.6	40.9	37.2	60.8	67.7	51.4
06:00 - 06:15	55.5	87.6	36.3	44.0	35.0	32.9	38.4	39.0	35.3	48.0	54.6	40.9
06:15 - 06:30	66.2	90.3	37.9	49.7	40.6	40.0	40.5	40.2	36.1	58.3	65.6	50.7
06:30 - 06:45	62.8	88.5	36.0	46.7	38.7	36.4	38.7	39.6	37.1	56.3	61.7	46.8
06:45 - 07:00	58.0	87.6	35.8	50.0	41.4	35.5	38.8	38.9	36.2	53.7	55.4	40.5

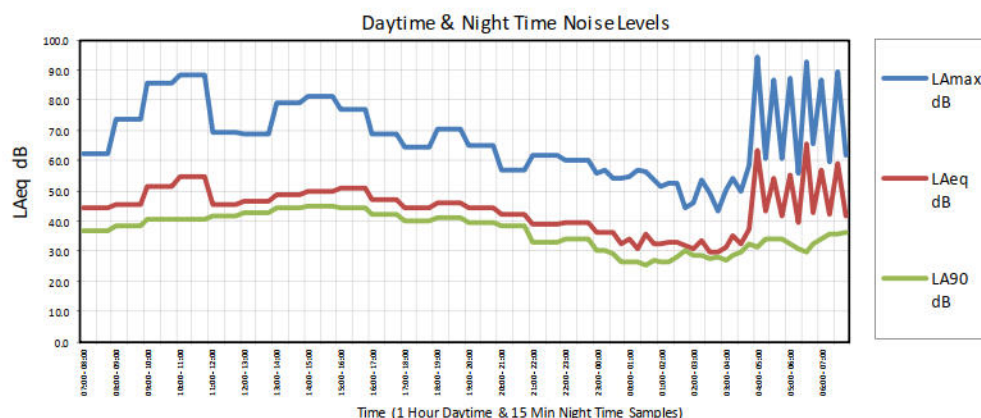


10.2 25th – 26th July 2026

NOISE LEVEL SUMMARY ASSESSMENT				Octave Band Centre Frequency (Hz)								
Date / Time	LAeq	LAmx	LA90	63	125	250	500	1.0k	2.0k	4.0k	8.0k	16.0k
DAYTIME 07:00 - 23:00 LAeq 16 HOUR & Corresponding LAmx 16 HOUR	48.2	88.2	40.0	55.3	47.7	44.1	42.8	42.4	37.2	39.6	42.9	32.6
NIGHT TIME 23:00 - 07:00 LAeq 8 HOUR & Corresponding LAmx 8 HOUR	54.0	94.5	30.0	43.6	36.2	31.4	33.8	33.7	30.3	46.0	53.4	38.1

DAYTIME NOISE LEVELS 07:00 - 23:00 1 HOUR SAMPLES												
Date / Time	LAeq	LAmx	LA90	63	125	250	500	1.0 k	2.0 k	4.0 k	8.0 k	16.0 k
07:00 - 08:00	44.3	62.5	37.0	51.1	41.8	38.0	39.4	39.7	35.2	37.1	33.9	30.7
08:00 - 09:00	45.4	73.8	38.3	52.0	45.4	40.7	39.7	40.4	35.2	36.8	39.2	32.0
09:00 - 10:00	51.4	85.6	40.4	54.3	45.9	42.3	41.5	42.9	38.3	44.7	48.4	35.8
10:00 - 11:00	55.0	88.2	40.7	55.3	46.1	42.6	41.2	41.4	38.0	48.5	53.3	38.0
11:00 - 12:00	45.5	69.6	41.4	55.1	47.3	42.0	41.2	41.5	36.9	35.6	31.2	31.1
12:00 - 13:00	46.6	68.9	42.6	56.2	47.8	42.7	41.9	42.8	37.9	37.8	32.1	31.3
13:00 - 14:00	48.7	79.1	44.5	58.0	50.0	45.1	45.4	45.0	39.5	38.8	32.0	31.5
14:00 - 15:00	49.8	81.4	44.7	58.5	50.9	49.8	47.4	45.4	39.7	37.1	35.1	31.7
15:00 - 16:00	50.7	77.0	44.6	59.2	53.2	51.3	48.3	46.4	40.5	36.8	32.8	31.8
16:00 - 17:00	47.2	69.1	42.5	58.2	48.1	42.3	42.7	43.8	38.7	35.3	35.4	31.3
17:00 - 18:00	44.6	64.4	40.2	56.2	48.5	40.0	40.9	40.7	35.5	34.1	29.6	30.9
18:00 - 19:00	45.8	70.2	41.1	54.9	46.2	42.1	42.5	41.5	37.2	35.3	32.4	31.8
19:00 - 20:00	44.2	64.8	39.7	53.6	46.1	40.0	41.1	40.5	35.5	32.6	29.6	31.2
20:00 - 21:00	42.4	56.7	38.4	51.2	43.3	38.3	37.7	39.1	34.1	30.6	28.5	32.5
21:00 - 22:00	39.1	61.8	33.2	47.0	38.0	32.3	33.5	37.0	30.4	26.4	26.2	30.7
22:00 - 23:00	39.5	59.9	34.0	50.6	41.2	32.9	33.9	36.9	31.2	27.2	26.5	30.6

NIGHT TIME NOISE LEVELS 23:00 - 07:00 15 MINUTE SAMPLES												
Date / Time	LAeq	LAmx	LA90	63	125	250	500	1.0 k	2.0 k	4.0 k	8.0 k	16.0 k
23:00 - 23:15	36.4	56.1	30.0	43.2	35.9	30.2	30.1	34.1	28.7	24.8	25.5	30.5
23:15 - 23:30	36.4	57.2	30.0	40.9	34.0	29.1	31.9	34.2	27.8	25.0	25.6	30.5
23:30 - 23:45	36.5	54.2	29.3	43.1	34.6	29.1	30.9	34.6	27.6	24.2	25.4	31.8
23:45 - 00:00	32.4	53.9	26.2	37.8	32.0	26.7	27.0	29.9	24.2	23.4	25.3	32.2
00:00 - 00:15	34.2	54.5	26.7	41.4	31.7	27.2	29.4	31.9	25.0	23.4	25.3	33.9
00:15 - 00:30	30.7	57.2	26.3	38.7	31.6	26.0	25.6	27.0	23.0	23.4	25.2	33.5
00:30 - 00:45	35.8	56.1	25.5	45.0	32.9	28.4	30.2	33.9	26.4	23.4	25.2	33.3
00:45 - 01:00	32.5	53.8	26.8	37.2	30.9	26.0	26.9	29.7	25.5	24.2	25.3	31.0
01:00 - 01:15	32.3	51.4	26.7	36.6	31.4	26.4	27.6	29.7	24.6	23.4	25.3	31.6
01:15 - 01:30	33.1	52.8	26.4	36.8	31.5	26.5	28.9	30.8	24.1	23.6	25.4	31.4
01:30 - 01:45	33.2	52.4	28.3	37.5	32.0	27.5	29.5	30.3	24.6	24.2	25.5	32.8
01:45 - 02:00	31.9	44.2	30.3	39.3	33.2	28.3	28.0	27.1	25.5	24.9	25.6	30.6
02:00 - 02:15	30.7	46.1	28.8	39.9	33.5	27.6	27.2	25.6	24.0	24.2	25.5	30.9
02:15 - 02:30	33.7	53.6	28.7	37.3	31.3	27.8	29.3	30.6	25.2	23.9	25.4	33.8
02:30 - 02:45	29.8	49.4	27.5	38.5	31.3	27.3	26.9	23.3	23.9	24.0	25.3	31.0
02:45 - 03:00	30.0	43.5	28.2	41.3	36.5	29.0	27.9	23.9	22.2	23.5	25.4	30.4
03:00 - 03:15	31.5	50.2	27.3	35.7	31.0	27.2	28.1	28.6	23.6	23.3	25.3	30.4
03:15 - 03:30	35.2	54.2	28.4	41.2	32.3	28.0	29.5	33.0	27.5	24.5	25.6	30.4
03:30 - 03:45	32.6	49.7	29.8	42.2	35.0	29.6	28.5	27.1	25.0	25.0	27.9	30.4
03:45 - 04:00	37.6	58.7	32.4	48.8	36.8	31.0	32.7	34.3	29.5	26.8	28.2	30.5
04:00 - 04:15	63.3	94.5	31.3	42.3	33.8	29.6	32.5	35.8	32.7	54.1	63.2	48.6
04:15 - 04:30	43.1	60.7	34.1	44.2	36.5	31.6	34.5	36.5	38.9	33.5	33.5	30.5
04:30 - 04:45	54.4	86.7	34.0	43.9	36.6	31.7	33.0	33.8	31.6	45.9	53.9	37.8
04:45 - 05:00	41.7	60.6	34.0	43.5	41.2	36.6	35.8	34.4	29.9	36.2	35.9	30.8
05:00 - 05:15	55.4	87.2	32.7	44.4	36.5	31.0	37.7	33.7	28.9	43.1	55.6	37.1
05:15 - 05:30	39.3	55.7	30.8	45.1	39.5	32.1	36.0	33.7	31.5	30.8	31.4	30.5
05:30 - 05:45	65.8	92.7	29.9	36.5	32.2	28.1	32.2	31.2	33.3	58.8	65.0	48.0
05:45 - 06:00	42.8	65.3	32.2	45.4	36.3	31.8	36.2	38.4	32.3	37.2	32.9	30.6
06:00 - 06:15	56.8	86.6	34.2	46.1	40.2	31.6	38.3	37.2	31.8	48.1	56.3	40.1
06:15 - 06:30	42.4	59.5	35.5	50.6	42.7	40.4	39.4	36.5	33.2	34.7	30.8	30.6
06:30 - 06:45	59.0	89.7	35.7	47.0	38.7	34.7	41.5	39.3	34.0	50.8	58.5	41.4
06:45 - 07:00	41.9	61.8	36.0	46.6	39.2	33.8	37.0	36.2	33.0	35.9	32.8	30.7

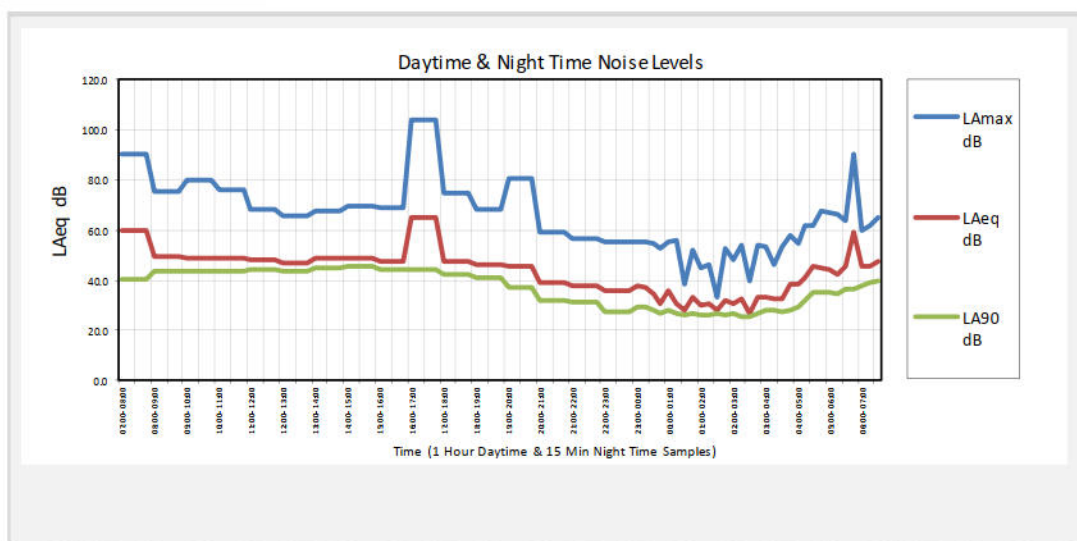


10.3 26th – 27th July 2026

NOISE LEVEL SUMMARY ASSESSMENT				Octave Band Centre Frequency (Hz)								
Date / Time	LAeq	LAmaz	LA90	63	125	250	500	1.0k	2.0k	4.0k	8.0k	16.0k
DAYTIME 07:00 - 23:00 LAeq 16 HOUR & Cor responding LAmaz 16 HOUR	54.6	103.8	44.0	56.9	48.6	42.2	43.5	46.5	48.7	46.6	49.0	42.5
NIGHT TIME 23:00 - 07:00 LAeq 8 HOUR & Cor responding LAmaz 8 HOUR	45.6	90.2	27.0	46.7	38.5	33.8	36.6	37.5	33.1	37.6	43.2	32.6

DAYTIME NOISE LEVELS 07:00 - 23:00 1 HOUR SAMPLES												
Date / Time	LAeq	LAmaz	LA90	63	125	250	500	1.0 k	2.0 k	4.0 k	8.0 k	16.0 k
07:00 - 08:00	59.8	90.3	40.1	53.4	44.8	38.5	39.5	40.3	36.7	52.8	58.9	42.4
08:00 - 09:00	49.2	75.2	43.4	55.6	47.2	42.0	46.2	43.6	39.6	42.5	36.2	31.1
09:00 - 10:00	48.9	80.0	43.7	58.8	50.6	45.2	45.3	44.3	40.5	39.4	34.1	31.6
10:00 - 11:00	48.6	76.0	43.8	58.2	50.1	43.7	44.0	45.1	40.4	37.0	33.1	31.6
11:00 - 12:00	48.0	68.2	44.4	58.8	50.1	43.4	42.5	43.6	40.2	39.3	33.6	31.7
12:00 - 13:00	47.1	65.5	43.5	57.2	48.4	42.0	41.5	43.3	39.5	36.7	33.1	31.6
13:00 - 14:00	48.4	67.8	45.2	59.4	50.9	44.2	43.0	44.2	41.2	37.9	34.1	32.1
14:00 - 15:00	48.8	69.3	45.4	60.8	52.1	45.0	43.6	44.3	41.3	38.5	34.4	32.4
15:00 - 16:00	47.7	69.0	44.4	58.0	49.6	43.0	42.4	43.9	40.1	36.6	33.8	31.8
16:00 - 17:00	64.7	103.8	44.2	58.7	50.5	44.3	49.1	56.4	60.3	56.7	56.7	53.9
17:00 - 18:00	47.3	74.5	42.3	57.7	49.2	42.5	43.9	42.7	38.8	38.1	32.0	31.4
18:00 - 19:00	46.0	68.0	40.9	54.4	46.9	40.5	41.8	40.8	36.4	36.8	38.7	32.0
19:00 - 20:00	45.6	80.3	37.0	52.2	47.2	38.7	44.1	42.3	36.0	30.0	27.5	30.6
20:00 - 21:00	39.4	59.2	31.8	45.0	36.2	32.5	34.3	36.9	30.7	27.8	27.4	31.1
21:00 - 22:00	37.5	56.8	31.4	44.4	35.5	30.2	31.9	35.5	29.0	25.1	25.7	30.5
22:00 - 23:00	36.1	55.5	27.6	42.4	33.7	31.0	30.8	34.1	27.3	23.5	25.3	31.6

NIGHT TIME NOISE LEVELS 23:00 - 07:00 15 MINUTE SAMPLES												
Date / Time	LAeq	LAmaz	LA90	63	125	250	500	1.0 k	2.0 k	4.0 k	8.0 k	16.0 k
23:00 - 23:15	37.9	55.4	29.4	38.9	33.2	30.0	33.5	36.1	28.4	23.6	25.3	30.5
23:15 - 23:30	37.0	55.0	29.3	40.4	31.8	28.7	32.4	35.5	27.1	23.0	25.2	31.0
23:30 - 23:45	34.2	54.5	28.1	34.8	31.0	26.8	29.7	32.4	25.1	22.9	25.2	30.8
23:45 - 00:00	30.6	52.9	26.6	33.3	30.6	25.5	26.5	27.1	21.0	23.1	25.1	34.4
00:00 - 00:15	35.6	55.4	28.1	36.3	31.7	27.9	30.6	33.1	25.2	22.9	25.1	36.4
00:15 - 00:30	30.7	55.7	26.6	33.3	30.3	25.3	26.3	25.5	20.3	22.5	25.1	35.9
00:30 - 00:45	28.0	38.4	26.0	33.0	30.5	24.6	25.3	25.2	20.2	22.6	25.1	30.5
00:45 - 01:00	33.4	52.1	27.0	37.6	31.8	26.9	29.8	31.2	24.3	22.8	25.1	30.6
01:00 - 01:15	29.8	44.9	26.3	36.8	36.5	30.7	27.2	25.7	21.2	22.6	25.1	30.4
01:15 - 01:30	30.6	46.3	26.1	35.9	30.6	25.8	28.1	28.0	22.1	22.5	25.1	30.4
01:30 - 01:45	27.9	33.0	26.5	35.2	30.5	25.4	26.8	23.4	20.4	22.5	25.1	30.4
01:45 - 02:00	31.9	52.3	26.1	34.4	30.8	25.9	29.1	29.7	22.5	22.5	25.1	30.4
02:00 - 02:15	30.9	48.4	26.4	35.9	30.6	26.0	27.8	28.3	22.6	22.6	25.1	30.4
02:15 - 02:30	32.3	54.1	25.5	33.8	30.4	25.4	27.7	30.2	24.3	22.6	25.1	30.4
02:30 - 02:45	26.9	39.4	25.2	34.3	30.4	24.8	25.0	23.4	20.0	22.4	25.0	30.4
02:45 - 03:00	33.3	53.9	26.7	39.3	31.2	26.4	29.4	31.2	24.7	23.3	25.1	30.4
03:00 - 03:15	33.2	53.4	27.7	34.2	30.9	26.5	29.3	31.4	23.5	22.7	25.0	30.4
03:15 - 03:30	32.9	48.3	27.7	33.7	30.9	26.4	29.2	31.0	23.0	23.3	25.0	30.4
03:30 - 03:45	32.8	53.1	27.4	36.1	31.3	27.0	28.4	29.8	23.3	23.5	28.0	30.4
03:45 - 04:00	38.6	58.0	28.2	39.0	31.9	28.1	31.8	35.1	28.3	29.4	33.3	30.5
04:00 - 04:15	38.5	54.5	29.0	34.3	31.1	26.8	35.5	30.2	26.7	33.0	33.2	30.4
04:15 - 04:30	41.2	61.7	31.9	39.7	33.3	30.3	36.4	37.2	32.4	33.9	30.6	30.4
04:30 - 04:45	45.4	61.5	35.4	48.5	40.3	37.6	41.6	40.7	38.3	35.3	35.3	30.5
04:45 - 05:00	45.1	67.5	35.0	48.1	35.6	33.0	38.9	40.8	36.3	35.8	39.0	31.7
05:00 - 05:15	44.4	66.9	35.0	46.0	35.3	32.4	39.0	39.9	34.3	35.6	38.8	31.0
05:15 - 05:30	42.6	66.1	34.5	45.2	35.8	33.8	39.1	38.1	33.7	33.6	34.2	30.5
05:30 - 05:45	45.7	63.7	36.2	46.2	36.5	34.5	40.8	42.1	38.7	36.2	30.0	30.5
05:45 - 06:00	58.9	90.2	36.5	48.8	37.3	35.0	40.7	41.2	40.1	51.4	58.0	41.7
06:00 - 06:15	45.4	59.9	37.8	50.5	39.4	37.8	40.7	41.9	36.0	37.2	32.9	30.5
06:15 - 06:30	45.6	61.8	38.9	50.0	39.8	40.1	40.8	42.5	36.4	36.8	30.7	30.5
06:30 - 06:45	47.4	64.9	39.4	54.2	47.0	41.7	43.2	43.7	39.2	37.3	31.8	30.6
06:45 - 07:00	47.0	61.7	38.6	57.9	49.8	42.2	41.9	43.1	39.1	36.6	32.2	31.6

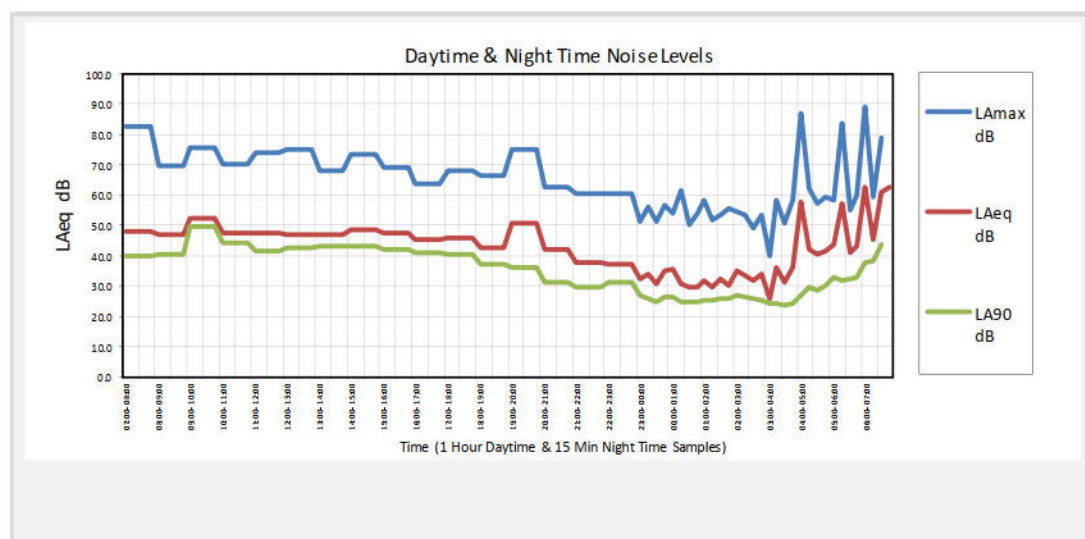


10.4 27th – 28th July 2026

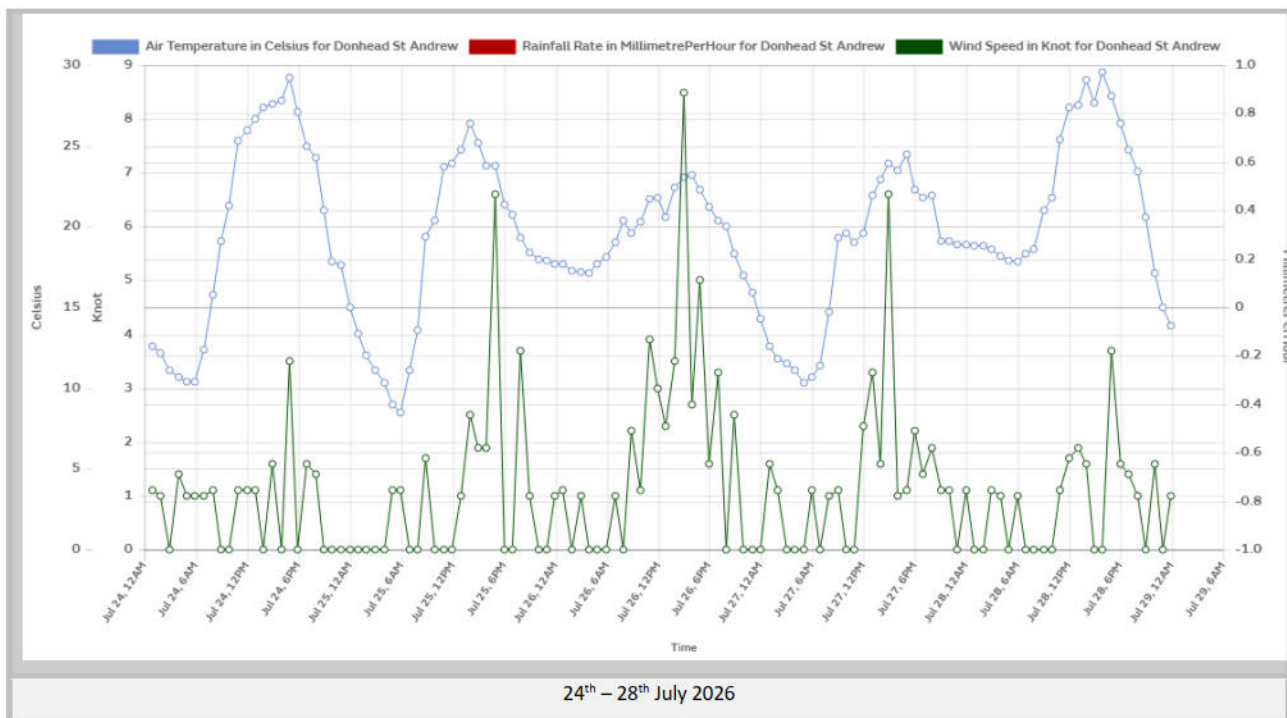
NOISE LEVEL SUMMARY ASSESSMENT				Octave Band Centre Frequency (Hz)								
Date / Time	LAeq	LAmaz	LA90	63	125	250	500	1.0k	2.0k	4.0k	8.0k	16.0k
DAYTIME 07:00 - 23:00 LAeq 16 HOUR & Corresponding LAmaz 16 HOUR	47.2	82.4	40.0	54.7	47.0	44.0	44.4	43.0	38.0	35.7	33.7	31.6
NIGHT TIME 23:00 - 07:00 LAeq 8 HOUR & Corresponding LAmaz 8 HOUR	52.8	88.9	26.0	53.7	54.8	49.4	45.6	44.9	42.8	43.7	49.0	36.3

DAYTIME NOISE LEVELS 07:00 - 23:00 1 HOUR SAMPLES												
Date / Time	LAeq	LAmaz	LA90	63	125	250	500	1.0 k	2.0 k	4.0 k	8.0 k	16.0 k
07:00 - 08:00	47.7	82.4	39.7	53.8	46.8	44.3	42.5	42.9	37.6	38.3	40.7	31.8
08:00 - 09:00	46.9	89.6	40.2	55.2	47.2	43.0	42.2	43.4	37.7	37.2	34.0	30.8
09:00 - 10:00	52.2	75.3	49.4	60.7	51.5	46.9	48.8	48.2	43.7	41.3	34.7	31.4
10:00 - 11:00	47.6	70.2	44.0	54.9	47.7	46.6	43.9	43.6	38.3	36.0	33.7	31.1
11:00 - 12:00	47.4	73.9	41.5	55.2	48.2	44.3	43.9	43.8	38.7	34.9	31.4	30.9
12:00 - 13:00	46.6	74.8	42.5	54.9	47.1	44.0	42.2	42.9	38.2	35.5	31.5	31.1
13:00 - 14:00	46.6	68.2	42.8	54.9	48.0	44.8	43.1	42.7	38.0	34.3	30.3	31.0
14:00 - 15:00	48.3	73.5	43.2	56.4	48.2	45.5	44.6	44.0	40.8	36.9	32.4	31.3
15:00 - 16:00	47.2	69.1	42.0	55.8	47.4	43.6	43.9	43.7	38.1	34.6	32.1	31.1
16:00 - 17:00	45.2	63.8	40.7	55.1	47.1	39.1	40.1	41.6	36.2	36.4	30.7	31.0
17:00 - 18:00	45.7	67.8	40.2	53.2	44.7	39.4	40.3	41.6	36.4	35.9	37.7	31.2
18:00 - 19:00	42.6	66.4	37.2	48.2	39.9	36.6	38.4	38.9	33.5	33.6	31.0	31.5
19:00 - 20:00	50.8	74.8	36.0	47.8	49.1	49.5	51.8	44.7	37.8	32.5	30.2	31.1
20:00 - 21:00	42.2	62.6	31.3	49.1	39.8	39.6	39.5	39.4	32.0	26.9	26.3	33.6
21:00 - 22:00	37.5	60.4	29.6	43.9	36.5	31.9	32.5	35.3	28.2	24.2	25.5	34.0
22:00 - 23:00	37.3	60.2	31.3	50.3	42.4	32.5	32.3	34.0	29.3	25.9	25.8	31.0

NIGHT TIME NOISE LEVELS 23:00 - 07:00 15 MINUTE SAMPLES												
Date / Time	LAeq	LAmaz	LA90	63	125	250	500	1.0 k	2.0 k	4.0 k	8.0 k	16.0 k
23:00 - 23:15	32.0	51.1	26.8	40.2	32.1	27.2	27.1	29.4	23.7	23.5	25.4	31.9
23:15 - 23:30	34.1	55.9	25.9	39.4	31.8	26.4	27.2	30.3	27.0	24.6	25.5	36.4
23:30 - 23:45	30.6	51.2	24.7	35.0	33.4	30.3	25.7	26.3	21.5	22.7	25.2	34.6
23:45 - 00:00	34.7	56.4	26.0	37.2	31.0	27.0	28.7	32.9	25.5	23.0	25.2	33.6
00:00 - 00:15	35.2	53.8	26.0	43.5	34.8	31.6	30.6	32.4	26.2	23.6	25.3	34.8
00:15 - 00:30	30.6	61.2	24.5	34.2	30.1	24.8	23.6	24.6	21.1	22.8	25.2	37.7
00:30 - 00:45	29.3	50.2	24.6	34.6	30.1	24.4	23.8	21.0	20.0	22.7	25.2	36.8
00:45 - 01:00	29.4	54.0	24.6	33.9	29.8	24.4	24.0	22.5	21.9	23.8	25.3	35.1
01:00 - 01:15	31.9	58.1	25.1	34.5	30.0	26.3	27.2	28.5	22.6	22.9	25.3	35.2
01:15 - 01:30	29.4	51.9	25.4	33.9	29.6	25.5	25.1	20.9	20.2	22.9	25.3	35.9
01:30 - 01:45	32.4	53.6	25.8	37.4	30.9	26.7	28.0	28.8	23.4	23.4	25.3	34.9
01:45 - 02:00	30.3	55.7	25.5	35.8	30.3	25.8	26.1	25.9	22.2	23.3	25.6	33.5
02:00 - 02:15	34.9	54.6	26.8	37.9	31.0	27.9	30.4	32.7	25.7	23.3	25.5	33.3
02:15 - 02:30	33.5	53.5	26.2	37.9	30.4	27.3	29.7	30.8	24.0	22.9	25.3	33.9
02:30 - 02:45	31.5	49.2	25.7	37.9	30.3	26.3	28.0	28.9	22.9	23.0	25.3	31.1
02:45 - 03:00	34.0	53.5	25.2	37.4	30.7	27.0	29.1	32.0	25.2	23.1	25.3	32.1
03:00 - 03:15	25.9	40.0	24.0	33.6	30.1	24.7	22.6	20.7	20.1	23.0	25.2	30.6
03:15 - 03:30	35.8	58.1	24.3	36.7	31.2	26.2	29.4	33.9	26.9	24.9	25.3	33.8
03:30 - 03:45	31.3	50.4	23.8	35.4	30.5	26.1	27.5	28.6	23.5	22.8	25.3	30.4
03:45 - 04:00	35.8	58.4	24.0	33.1	29.8	24.0	22.2	20.8	20.3	27.6	35.6	30.7
04:00 - 04:15	57.9	86.8	27.1	38.8	32.4	29.5	28.5	32.3	36.6	49.3	57.4	40.6
04:15 - 04:30	42.1	62.2	29.7	42.3	33.7	31.5	38.2	38.5	33.0	31.5	33.5	30.6
04:30 - 04:45	40.1	57.3	28.2	41.5	32.2	29.6	36.1	37.2	31.0	27.8	31.7	30.6
04:45 - 05:00	41.2	59.2	30.3	47.6	35.5	28.9	34.3	37.3	32.5	33.8	32.8	30.5
05:00 - 05:15	43.6	58.4	32.6	48.5	36.1	32.1	38.2	41.0	34.6	33.8	30.6	30.5
05:15 - 05:30	57.0	83.7	31.9	48.2	36.2	31.6	37.0	37.6	33.4	46.5	57.0	38.0
05:30 - 05:45	41.0	55.2	32.1	44.1	32.5	30.5	36.4	37.9	31.9	31.3	30.9	30.5
05:45 - 06:00	42.9	59.8	32.8	45.2	34.0	31.9	37.7	39.9	33.8	34.3	31.6	30.6
06:00 - 06:15	62.5	88.9	37.8	50.8	39.9	38.5	41.1	43.2	37.2	55.8	61.4	43.2
06:15 - 06:30	45.4	59.4	38.4	47.9	38.9	38.1	39.6	41.8	36.1	38.0	33.0	30.6
06:30 - 06:45	60.7	78.9	43.8	63.6	64.7	60.9	56.9	55.4	53.2	48.6	46.3	40.7
06:45 - 07:00	62.8	77.6	49.4	66.7	68.2	61.9	57.8	57.4	55.7	51.7	48.4	43.8



11 APPENDIX C – WEATHER CONDITIONS



END OF REPORT