



REPORT REFERENCE:

SA – 8473

NOISE IMPACT ASSESSMENT INSTALLATION OF NEW PLANT

British Standard 4142:2014+A1:2019

CLIENT:

Wiltshire Distilling Company Ltd

SITE:

Upper Kingstead Barn

Fonthill Bishop

Salisbury

Wiltshire

SP3 5SG

SURVEY DATE:

24th – 28th July 2026

Report By



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1 EXECUTIVE SUMMARY

1.1 Instruction

Sound Advice Acoustics Ltd have been instructed by Wiltshire Distilling Company Ltd 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 new plant being installed and calculate the resultant noise level at the nearest affected windows at the development and carry out assessments to BS 4142:2014+A1:2019.

1.2 Scope of Report

The measurements have been undertaken in accordance with British Standard 4142:2014+A1:2019 and 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 development. This report aims to establish the following:

- Existing background noise levels at the residential façade (L_{A90});
- Noise levels from the Proposed Plant (L_{Aeq});
- Impact on the nearest noise sensitive property;
- Mitigation Levels if Required.

1.3 Measured Background Noise Levels

Continuous background noise measurements were undertaken between the 24th - 28th July 2026 at the Assessment Position 1. The day time modal background noise levels between 07:00 and 23:00 was found to be $L_{A90,1 \text{ hour}}$ 41 dB. This background noise level has only been assessed during daytime hours as the proposed plant will not be operational after 5pm.

Daytime Equivalent Existing Modal Background Noise Levels 4 days (07:00 – 23:00)	Measured Levels at Assessment Position 1	$L_{A90,1 \text{ hour}}$ 41 dB
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1.4 Proposed Plant

The following plant is to be located externally, generally as detailed on the drawing within this report. The units have the following sound power data supplied by the client. Two silo and chain/disc conveyor systems – reference sound power level 88 dB(A), based on a comparable installation.

Plant	Octave Band Centre Frequency (Hz) Sound Power level								Lw dB(A)
	63	125	250	500	1.0k	2.0k	4.0k	8.0k	
2 x Silo and chain/disc conveyor system	N/A								88

1.5 Assessment

1.5.1 Daytime (07:00 – 23:00)

Rating Level	34 dB	9.1	The acoustic feature correction is added to the specific noise level
Background Noise Level $L_{A90,1 \text{ hour}}$	41 dB	8.1	Modal Background Noise Level (07:00 – 23:00)
Assessment Level	-7 dB	11	The background level is subtracted from the rating level.
Conclusion BS 4142:2014+A1:2019 [1]	+10 dB Significant Adverse Effects, +5 dB Adverse Effects, +0 dB Low Impact		
Assessment	-7 dB		
Conclusion	The assessment level is 'Low Impact'		
Wiltshire County Council Criteria – 5 dB	Achieved		

1.6 Conclusions

The operation of the proposed Plant has been assessed to establish if the proposed units will have a demonstrable adverse effect in terms of noise that outweigh the benefits of the development. Measurements have been undertaken in accordance with British Standard 4142:2014+A1:2019 and ISO 1996 – Part 2: 2017. This report has established the existing background noise levels at the closest residential façade to the proposed plant and the assessment of the impact of the operation on nearby residential properties to the North East and South West. The resulting emissions from the site running on a worst-case scenario show no conflict with 'low impact' criteria and give a strong indication that complaint and impact on the local amenity is unlikely and that the criteria of Wiltshire County Council can be achieved.

1.7 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.

1.8 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 Distilling Company Ltd 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 new plant being installed and calculate the resultant noise level at the nearest affected windows at the development and carry out assessments to BS 4142:2014+A1:2019.

The purpose of this assessment is to ensure the acoustic protection of noise sensitive premises closest to the proposed plant. Noise sensitive premises are not restricted to residential dwellings as offices can be affected by unwanted external noise. However, the residential accommodation to the North East and South West to the site have been identified as the nearest noise sensitive and therefore all calculations and assessments are to be made to these positions.

2.2 Ambient and Background 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 daytime noise levels. Levels have been recorded over more than one day in order to ensure the uncertainty of measurement aspects of BS 4142:2014+A1:2019 have been satisfied and that the data recorded is representative for the purpose of a robust assessment.

2.3 BS 4142: 2014+A1:2019

British Standard 4142:2014+A:2019 is to be adopted for the basis of this background noise level assessment. A BS 4142:2014+A1:2019 noise assessment will be carried out in order to demonstrate the proposed acoustic impact the proposed plant could have on the nearest affected residential and make suitable recommendations in order to demonstrate that these units will not have a significant and demonstrable adverse impact on the nearest noise sensitive premises in accordance with the National Planning Policy Framework, once remedial works are completed.

The BS 4142:2014+A1:2019 assessment indicates a low noise impact at the nearest residential properties. The predicted operational noise levels are below the existing background sound levels, indicating a low likelihood of adverse effects on residential amenity. In accordance with BS 4142, consideration has also been given to the local acoustic environment and the character of the surrounding area. The proposed noise source is not considered to be uncharacteristic of the existing sound environment and is unlikely to be perceived as materially intrusive.

Based on the assessment results, the proposed development is considered acceptable in noise terms, with a low residual risk of adverse effects on nearby residents.

2.4 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.

2.5 “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:

2.6 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.

2.7 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.

2.8 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.

3 SITE LOCATION

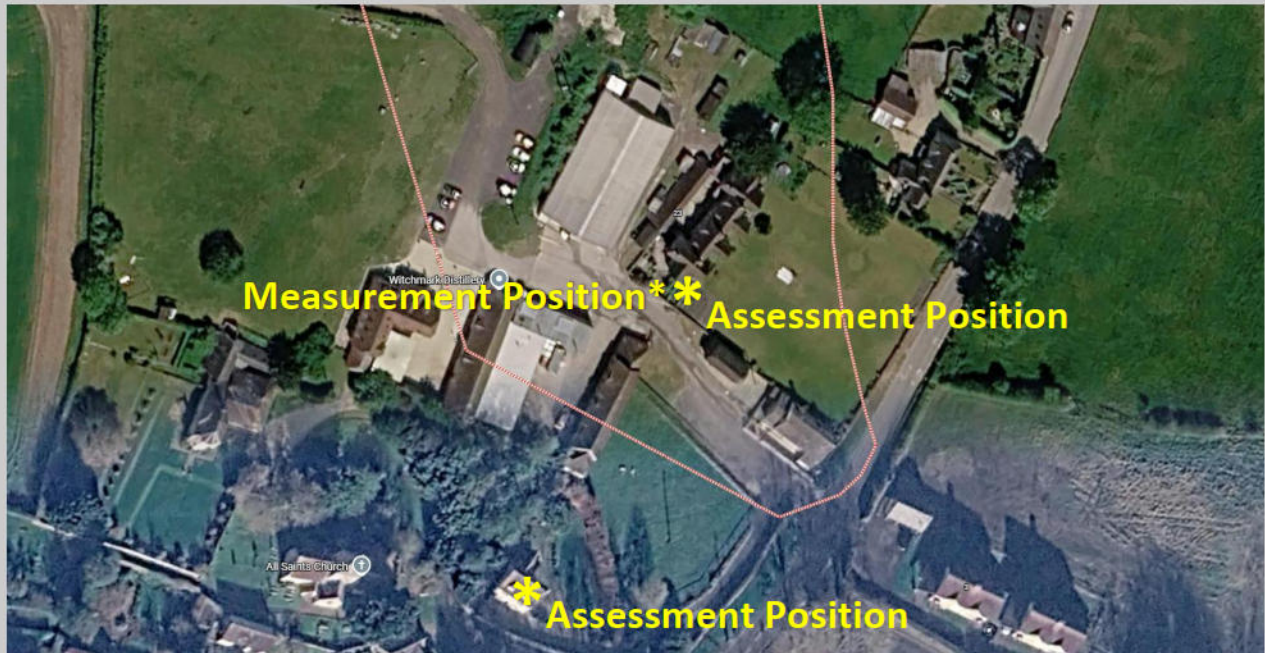
3.1 Position of Site in Wider Area

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

Continuous background noise measurements were undertaken between the 24th - 28th July 2026 at the Assessment Position 1. The day time modal background noise levels between 07:00 and 23:00 was found to be $L_{A90,1 \text{ hour}}$ 41 dB. This background noise level has only been assessed during daytime hours as the proposed plant will not be operational during night time hours.

Daytime Equivalent Existing Modal Background Noise Levels 4 days (07:00 – 23:00)	Measured Levels at Assessment Position 1	$L_{A90, t}$ 41 dB
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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	Svantek UK	SV 307A	C157302	2 YEARS	N/A	06.08.2024	06.08.2026
Calibrator	Svantek UK	SV 33b	154757	1 YEAR	C00646	03.07.2026	03.07.2027
Microphone	Svantek UK	ST 30A (v3)	157890	2 YEARS	N/A	06.08.2024	06.08.2026

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 Proposed Plant

The following plant is to be located externally, generally as detailed on the drawing within this report. The units have the following sound power data supplied by the client. Two silo and chain/disc conveyor systems – reference sound power level 88 dB(A), based on a comparable installation.

Plant	Octave Band Centre Frequency (Hz) Sound Power level								Lw dB(A)
	63	125	250	500	1.0k	2.0k	4.0k	8.0k	
2 x Silo and chain/disc conveyor system	N/A								88



6.2 Criteria

We have calculated the nearest noise sensitive premises to that of the residential properties to the North East and South West with the proposed plant being no closer than 30m away. Wiltshire Council's Environmental Health Department will require a criteria of -5 dB below background noise level due to the close proximity of the nearest noise sensitive premises.

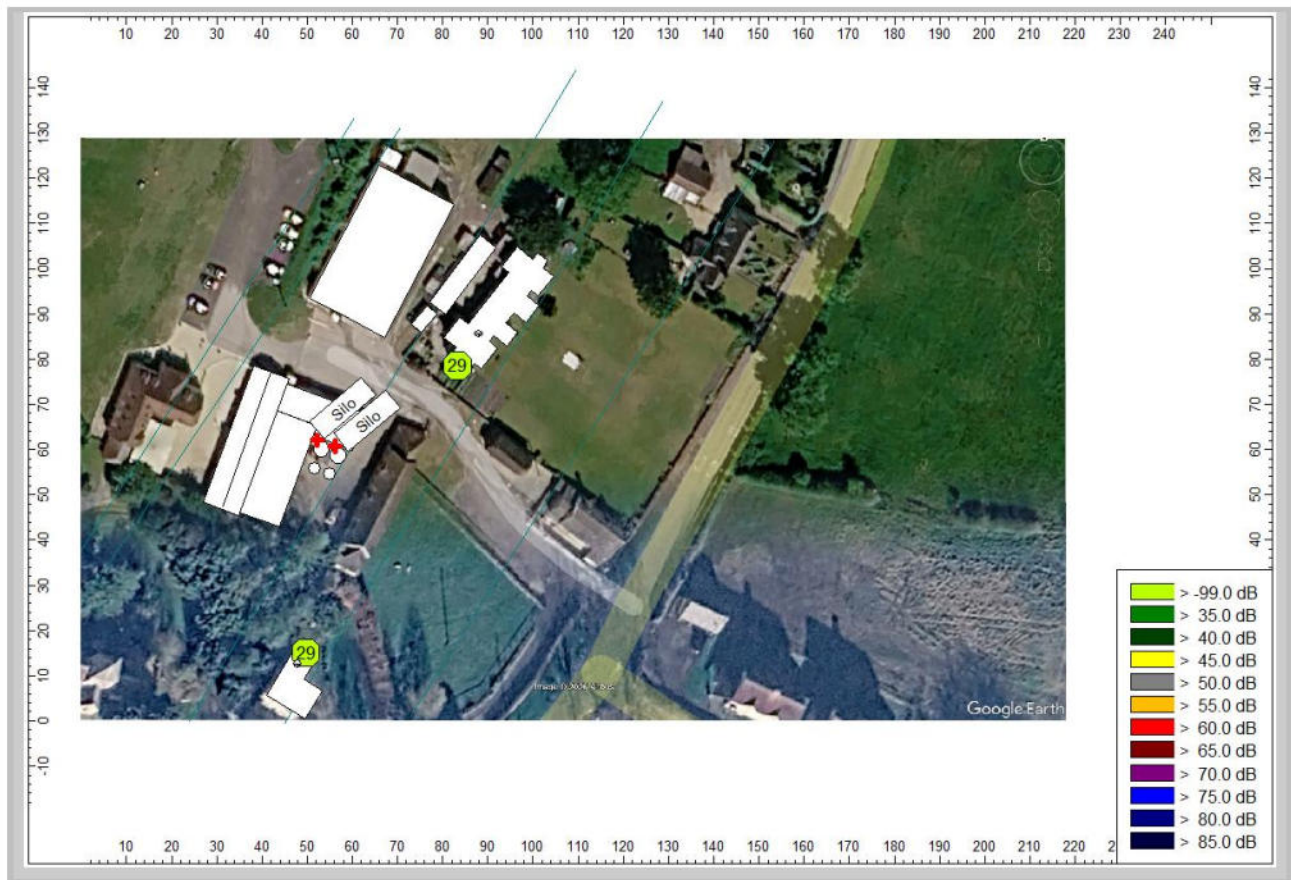
6.3 Inputted Noise Levels

The following noise levels have been inputted into the 3D acoustic Model in order to calculate the resultant noise levels at the aforementioned assessment positions.

Point Source														
Close Edit... Sync. Graphic Copy... Print... Font... Help														
Name	M.	ID	Result. PWL			Lw / Li		Correction			Sound Reduction		Attenuation	
			Day	Evening	Night	Type	Value	norm.	Day	Evening	Night	R	Area	Operating Time
			(dBA)	(dBA)	(dBA)				dB(A)	dB(A)	dB(A)		(m²)	Day Special Night
			(min)	(min)	(min)				(dB)	(Hz)				(min) (min) (min)
Silo			88.0	88.0	88.0	Lw	88		0.0	0.0	0.0			0.0 1000 (none) 0.50 r
Silo			88.0	88.0	88.0	Lw	88		0.0	0.0	0.0			0.0 1000 (none) 0.50 r

6.4 Calculated Façade Levels

Based on the above inputted noise levels, the following calculations have been made:



7 BRITISH STANDARD 4142:2014+A1:2019

7.1 Criteria

We have calculated the nearest noise sensitive premises to that of the residential properties to the North East and South West with the proposed plant being no closer than 30m away. Wiltshire Council's Environmental Health Department will require a criteria of -5 dB below background noise level due to the close proximity of the nearest noise sensitive premises.

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.
$L_{A,T,r}$	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 positions 1 & 2 was established as the residential accommodation premises to the North East and South West and no closer than 30m from the proposed plant.

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 Daytime (07:00 – 23:00).

Item	Calculation	Clause	Commentary
Specific Noise Level $L_{Aeq,1 \text{ hour}}$	29 dB	7	Calculated using ISO 9613:1996 _[3] .
Tonality	+2 dB	8.1	Tonality Characteristic
Impulsivity	+3 dB	8.1	Impulsive Characteristic
Rating Level	34 dB	9.1	The acoustic feature correction is added to the specific noise level
Background Noise Level $L_{A90,1 \text{ hour}}$	41 dB	8.1	Modal Background Noise Level
Assessment Level	-7 dB	11	The background level is subtracted from the rating level.
Assessment	-7 dB		
Conclusion	The assessment level is 'Low Impact'		
Wiltshire County Council Criteria – 5 dB	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 2026 and 07:00 on 28th July 2026.

It can be seen from the above assessments that with any new plant detailed within this report, an assessment conclusion of Low Impact could be expected. Therefore, no further mitigation measures would be required if the design criteria was adhered to.

8 NPPF & NPSE

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.

8.1 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.

8.2 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

9.1 Measured Background Noise Levels

Continuous background noise measurements were undertaken between the 24th - 28th July 2026 at the Assessment Position 1. The day time background noise levels between 07:00 and 23:00 was found to be $L_{A90,1 \text{ hour}}$ 41 dB. This background noise level has only been assessed during daytime hours as the proposed plant will not be operational during night time hours.

Daytime Equivalent Existing Modal Background Noise Levels 4 days (07:00 – 23:00)	Measured Levels at Assessment Position 1	$L_{A90,1 \text{ hour}}$ 41 dB
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9.2 Proposed Plant

The following plant is to be located externally, generally as detailed on the drawing within this report. The units have the following sound power data supplied by the client. Two silo and chain/disc conveyor systems – reference sound power level 88 dB(A), based on a comparable installation.

Plant	Octave Band Centre Frequency (Hz) Sound Power level								Lw dB(A)
	63	125	250	500	1.0k	2.0k	4.0k	8.0k	
2 x Silo	N/A								88

9.3 Assessment

9.3.1 Daytime (07:00 – 23:00)

Rating Level	34 dB	9.1	The acoustic feature correction is added to the specific noise level
Background Noise Level $L_{A90,1 \text{ hour}}$	41 dB	8.1	Modal Background Noise Level (07:00 – 23:00)
Assessment Level	-7 dB	11	The background level is subtracted from the rating level.
Conclusion BS 4142:2014+A1:2019 [1]	+10 dB Significant Adverse Effects, +5 dB Adverse Effects, +0 dB Low Impact		
Assessment	-7 dB		
Conclusion	The assessment level is 'Low Impact'		
Wiltshire County Council Criteria – 5 dB	Achieved		

9.4 Conclusions

The operation of the proposed Plant has been assessed to establish if the proposed units will have a demonstrable adverse effect in terms of noise that outweigh the benefits of the development. Measurements have been undertaken in accordance with British Standard 4142:2014+A1:2019 and ISO 1996 – Part 2: 2017. This report has established the existing background noise levels at the closest residential façade to the proposed plant and the assessment of the impact of the operation on nearby residential properties to the North East and South West. The resulting emissions from the site running on a worst-case scenario show no conflict with ‘low impact’ criteria and give a strong indication that complaint and impact on the local amenity is unlikely and that the criteria of Wiltshire County Council can be achieved.

9.5 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.

9.6 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 – UNCERTAINTY BUDGET

10.1 Scope

British Standard 4142:2014+A1:2019 entitled “*Uncertainty*” requires the following:

“Consider the level of uncertainty in the data and associated calculations. Where the level of uncertainty could affect the conclusion, take reasonably practicable steps to reduce the level of uncertainty. Report the level and potential effects of uncertainty.”

Annex B of British Standard 4142:2014+A1:2019 entitled “consideration of uncertainty and good practice for reducing uncertainty” makes reference to the University of Salford publication entitled “A Good Practice Guide on the Source and Magnitude of Uncertainty arising in the Practical Measurement of Environmental Noise” edition 1a dated May 2007.

10.2 Uncertainty of Measured Values

Ref	Source of Uncertainty Section 10.2 British Standard 4142:2014+A1:2019	Value dB(A)	Distribution (Divisor)	Uncertainty dB(A)
a	Variability and complexity of sound source	0.50	$\sqrt{2}$	0.35
b	Variability and complexity of residual sound	0.00	$\sqrt{3}$	0.00
c	Residual sound present in specific sound	0.00	$\sqrt{3}$	0.00
d	Background noise position selection	0.10	$\sqrt{3}$	0.06
e	Distance between source and receiver	0.15	$\sqrt{2}$	0.11
f	Number of measurements taken (5 Days)	0.10	$\sqrt{3}$	0.06
g	Measurement time interval variation	0.00	$\sqrt{2}$	0.00
h	Range of times measurements taken	0.10	$\sqrt{3}$	0.06
i	Suitable weather conditions during measurements	0.20	$\sqrt{3}$	0.12
j	Application of British Standard 4142:2014+A1:2019	0.10	$\sqrt{2}$	0.07
k	Rounding of each measurement	0.05	$\sqrt{3}$	0.03
l	Instrumentation – Calibration	1.20	$\sqrt{3}$	0.69
Reported Expanded Uncertainty (95% confidence, convergence k = 2)				1.61

10.3 Uncertainty in Calculations

Ref	Source of Uncertainty Section 10.2 British Standard 4142:2014+A1:2019	Value dB(A)	Distribution (Divisor)	Uncertainty dB(A)
a	Impact of measured sound level on calculations	0.00	$\sqrt{2}$	0.00
b	Assumption on sound power level of source	0.00	$\sqrt{3}$	0.00
c	Uncertainty of calculation method (ISO 9613)	0.20	$\sqrt{3}$	0.12
d	Model fit against real world conditions	0.10	$\sqrt{3}$	0.06
e	Error in the calculation process	0.15	$\sqrt{2}$	0.11
Reported Expanded Uncertainty (95% confidence, convergence k = 2)				0.33

10.4 Uncertainty from Other Factors

Ref	Source of Uncertainty Section 10.2 British Standard 4142:2014+A1:2019	Value dB(A)	Distribution (Divisor)	Uncertainty dB(A)
a	Standing waves or interference patterns	0.15	$\sqrt{3}$	0.09
b	Approximation of sound source to a point source	0.10	$\sqrt{3}$	0.06
c	Maintenance and repair of source over 15 years	0.50	$\sqrt{3}$	0.29
Reported Expanded Uncertainty (95% confidence, convergence k = 2)				0.61

10.5 Combined Reported Expanded Uncertainty

Ref	Source of Uncertainty Section 10.2 British Standard 4142:2014+A1:2019	Value dB(A)	Distribution (Divisor)	Uncertainty dB(A)
a	Section 7.1.2. Uncertainty of measured values	2.7	$\sqrt{2}$	1.14
b	Section 7.1.3. Uncertainty of calculations	2.7	$\sqrt{2}$	0.23
c	Section 7.1.4. Uncertainty from other factors	2.7	$\sqrt{2}$	0.43
Combined Reported Expanded Uncertainty (95% confidence, convergence k = 2)				2.55

It should be noted that the uncertainty calculations have assumed a Type B uncertainty.

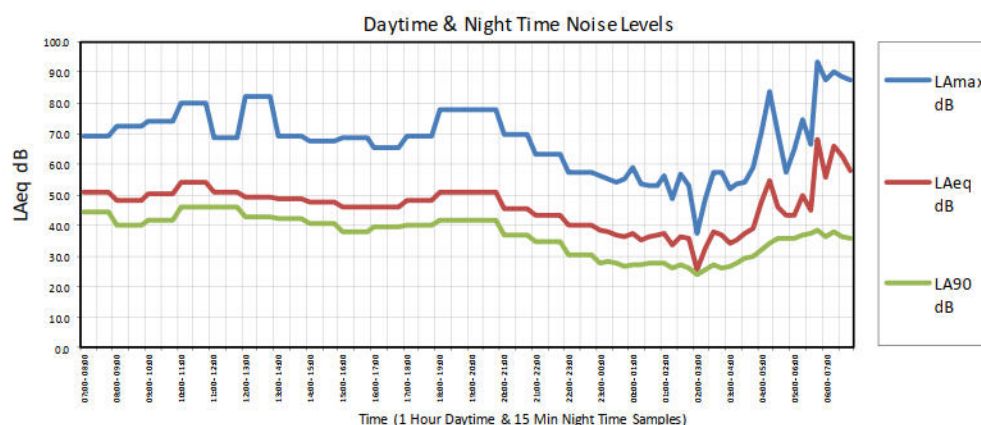
11 APPENDIX B – RESULTS

11.1 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 & Corr 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 & Corr 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												
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	46.0	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	46.2	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	33.8	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	57.4	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												
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	63.2	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	46.0	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

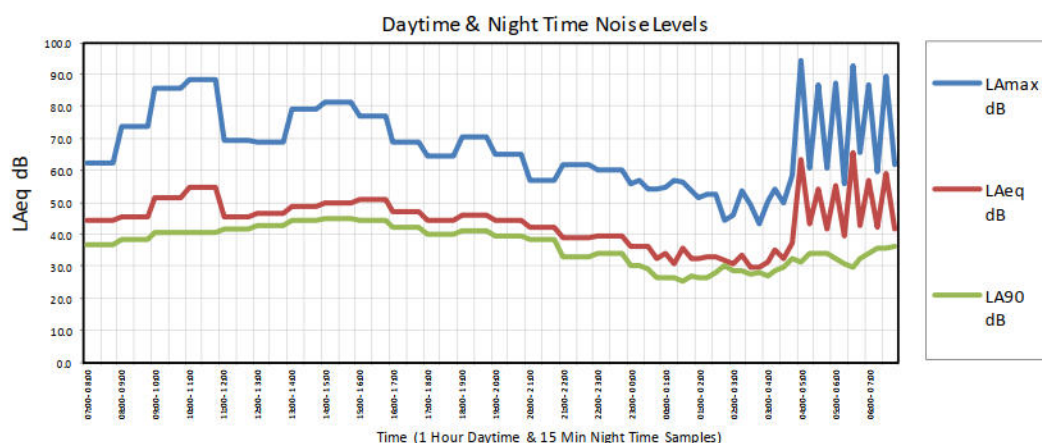


11.2 25th – 26th July 2026

NOISE LEVEL SUMMARY ASSESSMENT				Octave Band Centre Frequency (Hz)								
Date / Time	L _{Aeq}	L _{Amax}	L _{A90}	63	125	250	500	1.0k	2.0k	4.0k	8.0k	16.0k
DAYTIME 07:00 - 23:00 L_{Aeq} 16 HOUR & Corresponding L_{Amax} 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
NIGHTTIME 23:00 - 07:00 L_{Aeq} 8 HOUR & Corresponding L_{Amax} 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	L _{Aeq}	L _{Amax}	L _{A90}	Octave Band Centre Frequency (Hz)								
				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	42.6	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	36.8	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	56.2	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	55.2	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	L _{Aeq}	L _{Amax}	L _{A90}	Octave Band Centre Frequency (Hz)								
				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	53.6	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

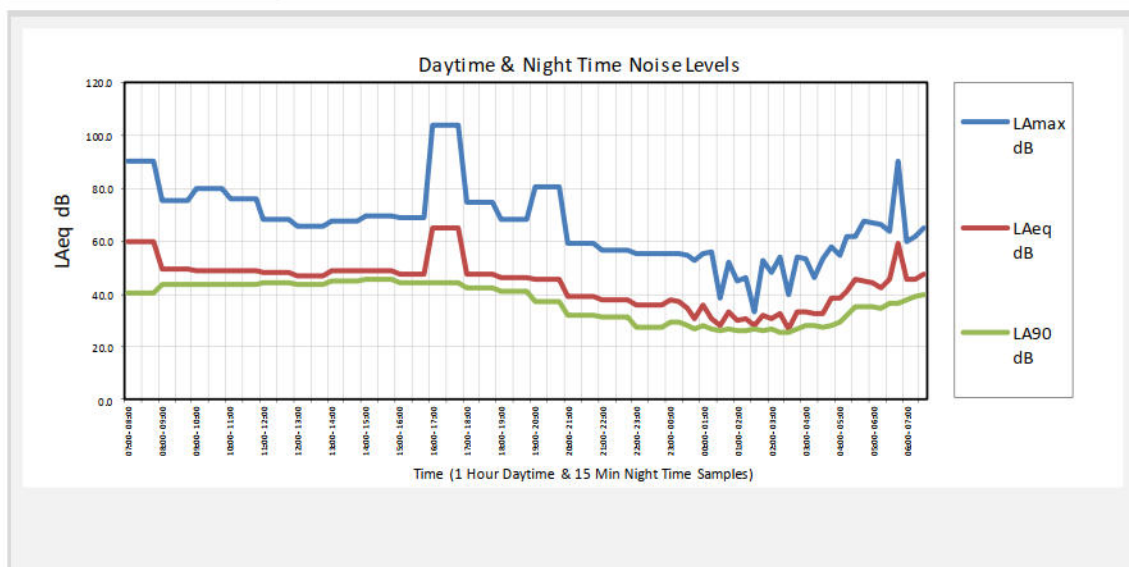


11.3 26th – 27th July 2026

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 & Corresponding 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
NIGHTTIME 23:00 - 07:00 LAeq 8 HOUR & Corresponding 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	53.9	31.8
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	25.6	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	46.3	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	25.0	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

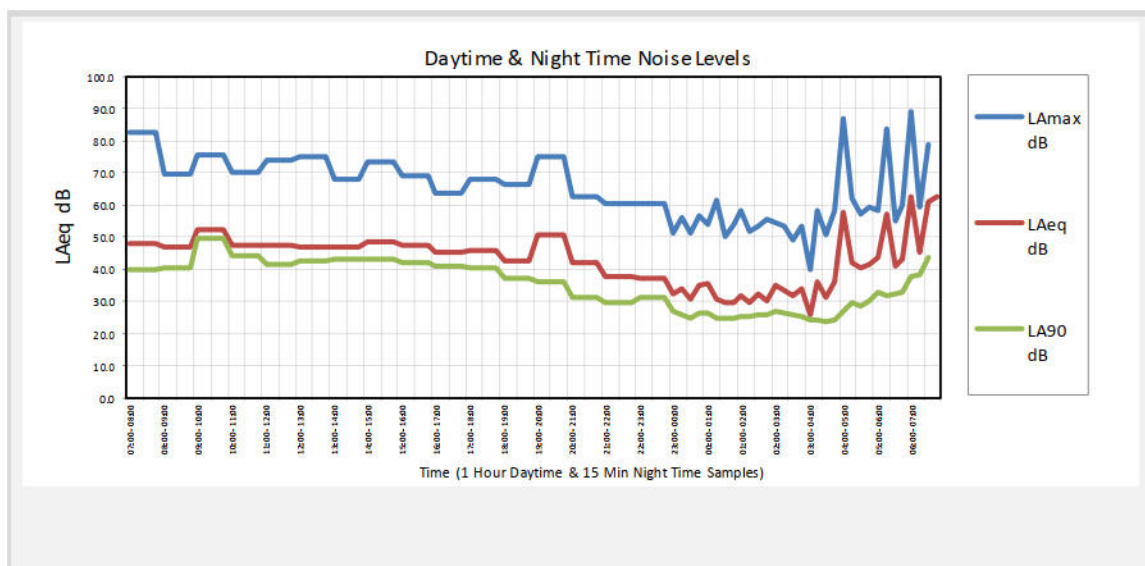


11.4 27th – 28th July 2026

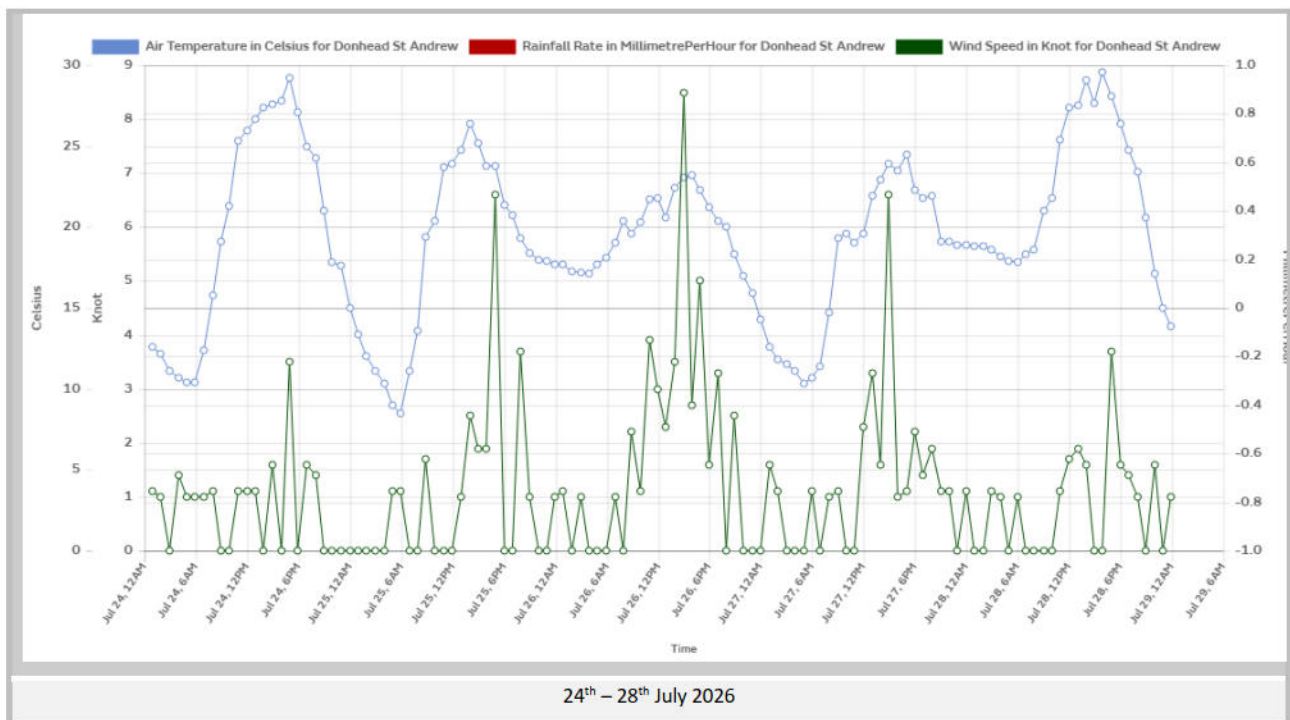
NOISE LEVEL SUMMARY ASSESSMENT				Octave Band Centre Frequency (Hz)								
Date / Time	LAeq	LAmaz	LA90	63	125	250	500	1.0k	2.0k	4.0k	8.0k	16.0k
DAYTIME 07:00 - 23:00 LAeq 16 HOUR & Corresponding LAmaz 16 HOUR	47.2	82.4	40.0	54.7	47.0	44.0	44.4	43.0	38.0	35.7	33.7	31.6
NIGHTTIME 23:00 - 07:00 LAeq 8 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				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	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	69.6	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				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	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



12 APPENDIX C – WEATHER CONDITIONS



13 APPENDIX D – BS 4142:2019+A1:2019 INFORMATION

In accordance with BS 4142:2014:A1:2019, section 12, the following information is provided.

13.1 Professional Competence

Acoustic Consultant	Mr Brian Scrivener MIOA
Qualifications	Member of the Institute of Acoustics (MIOA)
Date Certified	June 2003
Time Operating as an active Noise Consultant	Permanently Since June 2003
Professional Position	Owner of Sound Advice Acoustics Ltd & Sound Advice Engineering Managing Director & Share Holder
Professional Status	Noise Consultant
Professional Statement	
I have been active within the field of noise consultancy and noise control engineering since I joined the company in April 1997. Working my way through the company and gaining experience in this specialist field, I qualified as a noise consultant in June 2003 when I passed my Diploma in Noise Control & Engineering from Epsom College under the tutor of Dr Latha Vesudevan. Subsequently I was awarded the status of 'Member of the Institute of Acoustics (MIOA)'. Since then, I have taken over the company and continued to work and develop my professional competence within the field of acoustic consultancy, engineering and noise control.	

13.2 Site Status

Site Attended By	Mr Brian Scrivener MIOA
Baseline Measurements Conducted by	Mr Brian Scrivener MIOA
Site Source Measurements Conducted By	Mr Brian Scrivener MIOA

13.3 Measurement Information

Details & Justification	Measurement position 1 was located at the rear of the existing premises, representative of the Nearest Noise Sensitive Premises
Height from Ground	1.5m
Reflective Surfaces	None (Free Field)
Distance to NSP	2m
Distance to Source	28m
Topographical Change (m)	None
Ground between Source and Receiver	100% Hard surface from proposed plant to residential property
Windshield Information	Norsonic Outdoor Microphone Protection Kit Model No: 1212
Distance from Proposed Source to Receiver	30m
NSP* - Noise Sensitive Premises	

END OF REPORT