APPENDIX 12-2

OPERATIONAL NOISE ASSESSMENT

A specialist energy consultancy

Appendix 12-2

Operational Noise Report

Cooloo Wind Farm

Neoen

IE00015-007-R0
18 September 2025

COMMERCIAL IN CONFIDENCE

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Executive Summary

TNEI Ireland Ltd was commissioned by MKO on behalf of Neoen ('the Applicant') to undertake predictions of the wind turbine noise that would be emitted by the operation of the proposed Cooloo Wind Farm (hereinafter referred to as 'the Proposed Project' or ' the Proposed Wind Farm'). The noise predictions were used to assess the potential impact of operational noise from the Proposed Project on the nearest noise sensitive receptors.

The Irish Government Department of Environment Heritage and Local Government document *'Wind Energy Development Guidelines, 2006*' (WEDG 2006, also referred to as DoEHLG 2006) are the current guidelines for setting noise limits for wind energy developments. The information relating to noise in the WEDG 2006, is very limited and it is widely agreed that the limits proposed in the WEDG 2006 were drafted to broadly align with the UK guidance ETSU-R-97 *'The Assessment and Rating of Noise from Wind Farms'*. In 2013, the UK guidance was supplemented by a document produced by the Institute of Acoustics *'A good practice guide to the application of ETSU-R-97 for the assessment and rating of wind turbine noise'* (IOA GPG). Reference has been made to guidance contained in ETSU-R-97 and the IOA GPG to supplement the WEDG 2006.

The operational noise assessment has been undertaken in three stages:

- Stage 1 – establish the Total WEDG Noise Limits for nearby receptors based on measured background noise levels;
- Stage 2 – undertake a cumulative assessment based on likely predictions for all relevant turbines in the area (existing and proposed (in planning)) and compare the cumulative noise predictions against the Total WEDG Noise Limits; and
- Stage 3 – establish Site Specific Noise Limits for the Proposed Project (at levels below the Total WEDG Noise Limits, where limit apportionment is required) and compare the noise predictions from the Proposed Wind Farm on its own against the proposed Site Specific Noise Limits.

Background noise monitoring was undertaken at seven Noise Sensitive Receptors (NSRs). The Noise Monitoring Locations (NMLs) were considered to be representative of the NSRs located closest to the Proposed Wind Farm.

There are 439 NSRs within 2.5 km proximity to the Proposed Wind Farm. Of the 439 identified NSRs, a total of 10 NSRs were chosen as Noise Assessment Locations (NALs). The NALs were chosen to represent the noise sensitive receptors located closest to the Proposed Wind Farm. Additional receptors were also included to consider cumulative noise impacts. The modelling results for the NALs have been presented within the main body of this report whilst an assessment for all NSRs have been included within an Annex to the report. For the NALs where no background noise measurements were undertaken, noise data collected at proxy locations deemed representative of the expected background noise environment was used to assess the wind turbine noise impact at those receptors.

Wind speed and direction data were measured using a meteorological met mast located within the Proposed Wind Farm site. The wind data measured at 80 m and 60 m height was used to calculate hub height wind speeds (at 105 m). These hub height wind speeds were then standardised to a height of 10 m in accordance with current good practice. Analysis of the measured data has been undertaken in accordance with the WEDG 2006, ETSU-R-97 and current good practice to determine the pre-existing background noise environment and to establish the daytime and night-time noise limits at each of the NALs.

Two sets of noise limits have been derived; the Total WEDG Noise Limits apply to the cumulative noise level of all turbines operating in the area including the Proposed Wind Farm, whilst the Site Specific Noise Limits apply to operational noise from the Proposed Wind Farm only.

Based on the guidance in the WEDG 2006, the daytime Total WEDG Noise Limit was set at 40 dB(A) where background noise levels were <30 dB and 45 dB(A) or background plus 5 dB whichever is the greater where background noise levels were >30 dB. The night-time Total WEDG Noise Limit has been set at 43 dB(A) or background plus 5 dB whichever is the greater.

Predictions of wind turbine noise for the Proposed Wind Farm were made, based upon the sound power level data for a candidate wind turbine, the Vestas V162 7.2 MW with serrated trailing edge blades and a hub height of 99 m. The Vestas V162 7.2 MW has been chosen as the main candidate for the assessment as it is the loudest of the candidates being considered and therefore provides the most precautionary scenario. In order to consider the full design envelope for the Proposed Wind Farm site, additional modelling has been undertaken using three other candidates:

- the Vestas V150 6.0 MW with serrated trailing edge blades and 105 m hub;
- the GE 5.3-158 5.3 MW with normal blades and 101 m hub; and,
- the Siemens Gamesa SG 155 6.6 MW with normal blades and 102.5 m hub.

Predictions for all four candidates have been included when assessing the Proposed Wind Farm against its Site Specific Noise Limits, and the results have been included within an Annex to this report. All candidates modelled are considered to be representative of the type of turbine that could be installed at the site. Whatever the final turbine choice is, the Proposed Wind Farm will meet the noise limits determined and contained within any condition applied as part of consent.

Modelling was undertaken using the ISO 9613: 1996 *'Acoustics – Attenuation of sound during propagation outdoors Part 2: General method of calculation'* noise prediction model which accords with current good practice and is considered to provide a realistic impact assessment. For the other schemes, predictions have been undertaken using sound power level data for the installed turbines or a suitable candidate. The model of turbine was either identified through an online search, or through the use of the Council's Planning Application Portal.

A cumulative assessment was undertaken at the NALs where predictions from the Proposed Wind Farm were found to be within 10 dB of the noise predictions from all other schemes. The assessment of likely cumulative noise levels undertaken at the NALs shows that the Proposed Wind Farm can operate concurrently with the other wind farm developments in the area, whilst meeting the Total WEDG Noise Limit, at all NALs.

Site Specific Noise Limits have also been derived that take account (where required) of the other wind farm developments. Where wind turbine immissions from the other wind turbines at a given receptor were found to be at least 10 dB below the Total WEDG Noise Limit, it is considered that they will be using a negligible proportion of the limit, as such it was considered appropriate to allocate the entire noise limit to the Proposed Wind Farm. This was the case for all 439 NSR's.

Predicted noise levels indicate that at all NALs the wind turbine noise immissions were below the Site Specific Noise Limits when considering any of the candidate turbine.

The use of Site Specific Noise Limits would ensure that the Proposed Wind Farm could operate concurrently with other proposed (in planning), permitted or operational turbines in the area and would also ensure that the Proposed Wind Farm's individual contribution could be measured and enforced if required.

Should planning permission be granted for the Proposed Wind Farm it would be appropriate to include a set of noise related planning conditions, which detail the noise limits applicable to the Proposed Wind Farm.

There are a number of wind turbine makes and models that may be suitable for the Proposed Wind Farm. Should the Proposed Wind Farm receive planning permission the final choice of turbine would be subject to a competitive tendering process. As such, predictions of wind turbine noise are for informational and assessment purposes only. The final choice of turbine would, however, need to meet the noise limits determined and contained within any condition imposed.

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1 Introduction

1.1 Brief

1.1.1 TNEI Ireland Ltd was commissioned by MKO on behalf of Neoen ('the Applicant') to undertake an operational noise assessment for the proposed Cooloo Wind Farm (hereinafter referred to as 'the Proposed Wind Farm'). The following steps summarise the noise assessment process:

- Measure and analyse existing background noise levels and present the measured noise data with reference to existing Government Guidance and the recommendations of the Department of Environment Heritage and Local Government (DoEHLG) which are contained in the '*Wind Energy Development Guidelines, 2006*' [(1)] (WEDG 2006, also referred as DoEHLG 2006), in conjunction with the guidance produced by the United Kingdom's Department of Trade and Industry Noise Working Group on Noise from Wind Turbines which are contained within ETSU-R-97 *'The Assessment and Rating of Noise from Wind Farms'* [(2)] and *'A Good Practice Guide to the Application of ETSU-R-97 for the Assessment and Rating of Wind Turbine Noise'* [(3)] (IOA GPG) which represents current good practice in the UK;
- Determine the Total WEDG 2006 Noise Limits applicable to all wind farms in the area;
- Assess and undertake a cumulative noise assessment, where required, to take account of other proposed, permitted or operational schemes near to the Proposed Wind Farm;
- Derive Site Specific Noise Limits for the Proposed Wind Farm. These derived noise limits will be suitable for inclusion in a noise related planning condition should An Coimisiún Pleanála grant planning permission for the Proposed Wind Farm;
- Undertake predictions of the operational wind turbine noise immission from the Proposed Wind Farm that will be incident at neighbouring noise sensitive receptors, considering noise data for candidate wind turbine models;
- Compare the predictions of the operational wind turbine noise immission from the Proposed Wind Farm against the Site Specific Noise Limits; and,
- Assess the impact of noise from the Proposed Wind Farm with reference to existing Government Guidance and the recommendations of the DoEHLG which are contained in the WEDG 2006.

1.2 Background

1.2.1 The Proposed Wind Farm is located in County Galway, approximately 12km east of Tuam. The approximate Irish Transverse Mercator (ITM) reference for the centre of the Proposed Wind Farm site is 556137, 749323 and the proposed layout is comprised of 9 wind turbines as shown on Figure A1.1a in Annex 1.

1.2.2 In the absence of a confirmed turbine model, this noise assessment models a candidate turbine, the Vestas V162 7.2 MW with serrated trailing edge blades and a hub height of 99 m. The Vestas V162 7.2 MW has been chosen as the main candidate for the assessment as it is the loudest of the candidates being considered and therefore provides the most

precautionary scenario. In order to consider the full design envelope for the site, additional modelling has been undertaken using three other candidates;

- the Vestas V150 6.0 MW with serrated trailing edge blades and 105 m hub;
- the GE 5.3-158 5.3 MW with normal blades and 101 m hub; and,
- the Siemens Gamesa SG 155 6.6 MW with normal blades and 102.5 m hub.

1.2.3 Predictions for all four candidates have been included when assessing the Proposed Wind Farm against its Site Specific Noise Limits (the results are included within Annex 5). All candidates modelled are representative of the type of turbine that could be installed at the site.

1.2.4 The noise assessment has considered schemes that are operational, permitted and proposed (planning application submitted) but not those in the pre-planning stage. The schemes considered in the assessment are summarised in Table 1.1.

Table 1.1 Cumulative Wind Farm/ Turbine Developments

Wind Farm/ Wind Turbine	Number of Turbines	Status	Make and Model of Turbine Considered in Modelling
Clonberne	11	Proposed	Vestas V162 7.2 MW, serrated blades
Cloonlusk	2	Existing	Nordex N133, 4.8 MW, serrated blades

1.2.5 Figure A1.1b in Annex 1 shows the location of the above developments relative to the Proposed Wind Farm. The turbine type modelled for each of the schemes detailed in Table 1.1 was chosen using information contained within the Environmental Impact Assessment Reports (EIARs) for the schemes or using information detailed on the specific project websites.

1.2.6 For the purposes of assessing the above schemes in conjunction with the Proposed Wind Farm the following terms have been referred to throughout the assessment:

- 'Total WEDG Noise Limits'; defined as being the limit that should not be exceeded from the cumulative operation of all wind farm developments, including the Proposed Project; and.
- 'Site Specific Noise Limits'; defined as being the limit that is specific to the Proposed Project only, and derived through the apportionment (where required), of the 'Total WEDG Noise Limits' in accordance with current good practice (IOA GPG).

1.2.7 Note that the term 'noise emission' relates to the sound power level emitted from each wind turbine, whereas the term 'noise immission' relates to the sound pressure level received at any receptor location, due to the operation of the wind turbines. All references to dB are dB(A), unless otherwise stated. Wind speeds are standardised to 10 m height and grid coordinates are in ITM unless otherwise stated. A full glossary of terms is provided in Section 8.

2 Noise Planning Policy and Guidance

2.1 Overview of Noise Planning Policy and Guidance

2.1.1 In assessing the potential noise impacts of the Proposed Wind Farm, the following guidance and policy documents have been considered:

- National Planning Policy;
- Regional Planning Policy;
- Local Policy;
- Department of Environment Heritage and Local Government (DoEHLG) '*Wind Energy Development Guidelines,'(WEDG* 2006 also referred as DoEHLG 2006);
- ETSU-R-97 *'The Assessment and Rating of Noise from Wind Farms'*; and
- Institute of Acoustics *'A Good Practice Guide to the Application of ETSU-R-97 for the Assessment and Rating of Wind Turbine Noise'* (IOA GPG) May 2013.

2.2 National Planning Policy

2.2.1 The National Planning Framework 'Project Ireland 2040' [(4)] was adopted on 29 May 2018. The document sets out a number of National Policy Objectives, of which number 65 relates to noise.

2.2.2 National Policy Objective 65 states;

'Promote the pro-active management of noise where it is likely to have significant adverse impacts on health and quality of life and support the aims of the Environmental Noise Regulations through national planning guidance and Noise Action Plans.'

2.2.3 The document does not contain specifics with regards to the assessment of noise. Rather, it states (page 5):

'The National Planning Framework, is a planning framework to guide development and investment over the coming years. It does not provide every detail for every part of the country; rather it empowers each region to lead in the planning and development of their communities, containing a set of national objectives and key principles from which more detailed and refined plans will follow.'

2.2.4 Accordingly, it is necessary to look at regional and local guidance and policy for further direction.

2.3 Regional Spatial and Economic Strategies (RSES) 2026-2031

2.3.1 The Northern & Western RSES (applicable to Co. Galway) provides a high-level development framework for the Northern and Western Regional Assembly of Ireland, supporting the implementation of the National Planning Framework. In relation to renewable energy, it states (page 163):

'It is important that our region sets out its ambitions concerning renewable energy in this context and shows its ability to help contribute to achieving national targets.'

2.3.2 The RSES does not include any information specific to noise but state the following:

'The forthcoming Renewable Electricity Policy and Development Framework will aim to identify strategic areas for the sustainable development of renewable electricity projects of scale, in a sustainable manner, compatible with environmental and cultural heritage, landscape and amenity considerations. The development of the Wind Energy Guidelines and the Renewable Electricity Development Plan will also facilitate informed decision making, in relation to renewable energy infrastructure.'

2.3.3 The Irish Government's Department of Environment, Climate and Communications (DECC) is currently preparing the Renewable Electricity and Policy Development Framework (REPDF). This document has not been published at the time of writing, and therefore has not been considered in this report.

2.4 Local Policy

2.4.1 The Galway County Development Plan (2022-2028) was formally adopted in June 2022. Chapter 14 'Climate Change, Energy and Renewable Resource' of Volume 1 (Section 14.8.1) details that a Local Authority Renewable Energy Strategy (LARES) has been prepared for the county. The LARES outlines the potential for a range of renewable resources, including wind, and sets out renewable energy resource targets for the county.

2.4.2 LARES Policy Objective RE 3 'Wind Energy Developments' is to:

'Promote and facilitate wind farm developments in suitable locations, having regard to areas of the County designated for this purpose in the Local Authority Renewable Energy Strategy. The Planning Authority will assess any planning application proposals for wind energy production in accordance with the Local Authority Renewable Energy Strategy, the DoEHLG Guidelines for Planning Authorities on Wind Energy Development, 2006 (or any updated/superseded documents), having due regard to the Habitats Directive and to the detailed policy objectives and Development Standards set out in the Local Authority Renewable Energy Strategy.'

2.5 Wind Energy Development Guidelines, 2006

2.5.1 The current guidelines for setting noise limits are detailed in the DoEHLG, WEDG 2006.

2.5.2 The information relating to noise in the WEDG 2006 is very limited (for example there is no guidance on where or how to measure background noise levels and how to correlate these with wind speed on the Proposed Wind Farm site, there is also no mention of how to consider cumulative effects). The WEDG 2006 guidelines do, however, include guidance on how to derive limits for daytime and night time periods.

2.5.3 The daytime limits take account of existing background noise levels and include a fixed limit of 45 dB or background + 5 dB, whichever is the greater, except in low background noise environments where a fixed minimum limit in the range 35-40 dB should be considered. TNEI's interpretation of these limits is that turbine noise should not exceed:

- 45 dB $L_{A90, 10\ min}$ or background noise + 5 dB, whichever is the greater, for daytime hours (applicable where background noise levels are greater than 30 dB L_{A90}); or,
- 35 to 40 dB $L_{A90, 10\ min}$ where background noise is less than 30 dB L_{A90};

2.5.4 The WEDG states that a *'fixed limit of 43dB(A) will protect sleep inside properties during the night',* however, whilst it is not explicit within the WEDG guidance, the addition of a night time 'background noise +5 dB' parameter is commonly applied in wind turbine noise assessments. This is detailed in numerous examples of planning conditions issued by local authorities and An Coimisiún Pleanála. On that basis, the night time noise limits used in this assessment have been based on 43 dB or background noise + 5 dB, whichever is the greater.

2.5.5 It is widely agreed that the limits proposed in the WEDGs were drafted to broadly align with the UK guidance *ETSU-R-97 'The Assessment and Rating of Noise from Wind Farms'*. In 2013 this UK guidance was supplemented by a document produced by the Institute of Acoustics' (IOA) *'A good practice guide to the application of ETSU-R-97 for the assessment and rating of wind turbine noise'* (IOA GPG). Given the lack of detail in parts of the WEDG, information contained in ETSU-R-97 and the IOA GPG is often used to supplement the WEDGs and to inform wind farm noise assessments in Ireland.

2.6 Draft 2019 WEDG

2.6.1 It is noted that the WEDG 2006 are currently under review and a set of 'Draft WEDG 2019' updated guidelines were issued for consultation in December 2019. Significant concerns were raised during the public consultation process on the Draft WEDG 2019 Guidelines, including concerns raised by a group of wind farm acousticians [(7)], regarding the noise section of the draft guidelines and how the authors had misinterpreted existing guidance and incorporated a number of errors within the technical approaches proposed. In light of these concerns, and the fact that significant changes would need to be made before they could be adopted, an assessment using the Draft WEDG 2019 Guidelines is not, in the professional opinion of TNEI, technically feasible or appropriate and has not therefore been undertaken.

2.6.2 Timelines for the conclusion of the Draft WEDG 2019 review are still unclear however the Government of Ireland's Climate Action Plan 2024 [(8)] includes a 2024 Action (EL/24/5) to 'Publish the Revised Wind Energy Development Guidelines for onshore wind.' No timescales for completion are provided.

2.6.3 Therefore, at time of writing this Operational Noise Report, the DoEHLG 2006 Guidelines remain the relevant statutory guidelines and, as a result, they have been used for this assessment, appropriately supplemented by the guidance in ETSU-R-97 and the IOA GPG, which are considered by TNEI to represent current best practice. This report has been prepared by suitably qualified Acousticians, affiliated with the IOA. Based on the experience of TNEI of undertaking wind farms noise assessment projects with a combined rated capacity of >5 GW, it is considered that the use of these documents represents best available evidence and is the most robust approach.

2.7 ETSU-R-97 The Assessment and Rating of Noise from Wind Farms

2.7.1 As wind farms started to be developed in the UK in the early 1990's, it became apparent that existing noise standards did not fully address the issues associated with the unique characteristics of wind farm developments and there was a need for an agreed methodology

for defining acceptable noise limits for wind farm developments. The methodology was developed for the former Department of Trade and Industry (DTI) by the Working Group on Noise from Wind Turbines (WGNWT).

2.7.2 The WGNWT comprised a number of interested parties including, amongst others, Environmental Health Officers, wind farm operators, independent acoustic consultants and legal experts who:

'…between them have a breadth and depth of experience in assessing and controlling the environmental impact of noise from wind farms.'

2.7.3 In this way it represented the views of all the stakeholders that are involved in the assessment of noise impacts of wind farm developments. The recommendations of the WGNWT are presented in the DTI Report – ETSU-R-97 *'The Assessment and Rating of Noise from Wind Farms (1996).'*

2.7.4 The basic aim of the WGNWT in arriving at the recommendations was the intention to provide:

'Indicative noise levels thought to offer a reasonable degree of protection to wind farm neighbours, without placing unreasonable restrictions on wind farm development or adding to the costs and administrative burdens on wind farm developers or local authorities.'

2.7.5 ETSU-R-97 makes it clear from the outset that any noise restrictions placed on a wind farm must balance the environmental impact of the wind farm against the national and global benefits that would arise through the development of renewable energy sources:

'The planning system must therefore seek to control the environmental impacts from a wind farm whilst at the same time recognising the national and global benefits that would arise through the development of renewable energy sources and not be so severe that wind farm development is unduly stifled.'

2.7.6 ETSU-R-97 states that noise limits should reflect the variation in both turbine source noise and background noise with wind speed. Absolute lower limits, different for daytime and night-time, are applied where low levels of background noise are measured. The wind speed range that should be considered ranges between the cut-in wind speed for the turbines (usually about 2 to 3 ms^{-1}) and up to 12 ms^{-1}, where all wind speeds are referenced to a 10-metre measurement height.

2.7.7 Separate noise limits apply for daytime and for night-time. Daytime limits are chosen to protect a property's external amenity, and night-time limits are chosen to prevent sleep disturbance indoors, with windows open.

2.7.8 The daytime noise limit is derived from background noise data measured during so-called 'quiet periods of the day', which comprise weekday evenings (18:00 to 23:00), Saturday afternoons and evenings (13:00 to 23:00) and all day and evening on Sundays (07:00 to 23:00). Multiple samples of 10-minute background noise levels using the $L_{A90,10min}$ measurement index are logged continuously over a range of wind speed conditions. These measured noise levels are then plotted against concurrent wind speed data and a 'best fit' curve is fitted to the data to establish the background noise level as a function of wind speed. The ETSU–R-97 daytime noise limit, sometimes referred to as a 'criterion curve', is then set

at a level 5 dB(A) above the best fit curve over the desired wind speed range; subject to an appropriate daytime fixed minimum limit.

2.7.9 The night-time noise limit is derived from background noise data measured during the night-time periods (23:00 to 07:00), with no differentiation being made between weekdays and weekends. The 10-minute L_{A90} noise levels measured over the night-time periods are plotted against concurrent wind speed data and a 'best fit' correlation is established. The night-time noise limit is also based on a level 5 dB(A) above the best fit curve over the 0 - 12 ms^{-1} wind speed range, with a fixed minimum limit of 43 dB L_{A90}.

2.7.10 The exception to the setting of both the daytime and night time fixed minimum limits occurs where a property occupier has a financial involvement in the wind farm development. Paragraph 24 of ETSU-R-97 states:

'The Noise Working Group recommends that both day and night time lower fixed limits can be increased to 45 dB(A) and that consideration should be given to increasing the permissible margin above background where the occupier of the property has some financial involvement in the wind farm.'

2.7.11 ETSU-R-97 provides a robust basis for determining the noise limits for wind turbine(s) and since its introduction has become the accepted standard for such developments across the UK.

2.7.12 In June 2024, the UK Government Department for Energy Security and Net Zero (DESNZ) awarded a contract to Noise Consultants Limited to update ETSU-R-97. A draft update of new guidance 'Assessment and Rating of Wind Turbine Noise' (2025) was published for consultation on 4th July 2025. The closing data for consultation responses is 29th August 2025. Given the draft status of the guidance and the potential for any final update to differ, the consultation draft has not been considered further in this assessment. There is no confirmed data for the publication of final guidance.

2.7.13 As detailed above, the ETSU-R-97 guidance will be used to supplement the guidance provided within the WEDG 2006.

2.8 Current Good Practice

A Good Practice Guide on the Application of ETSU-R-97

2.8.1 In May 2013, the Institute of Acoustics issued *'A Good Practice Guide to the Application of ETSU-R-97 for the Assessment and Rating of Wind Turbine Noise'* (IOA GPG). The document provides guidance on background noise data collection, data analysis and limit derivation, noise predictions, cumulative issues, reporting requirements and other matters such as noise related planning conditions.

2.8.2 The Authors of the IOA GPG sets out the scope of the document in Section 1.2:

'This guide presents current good practice in the application of the ETSU-R-97 assessment methodology for all wind turbine developments above 50 kW, reflecting the original principles within ETSU-R-97, and the results of research carried out and experience gained since ETSU-R-97 was published. The noise limits in ETSU-R-97 have not been examined as these are a matter for Government.'

2.8.3 The guidance document was endorsed by all Governments within the UK. As with ETSU-R-97, for this assessment the recommendations included in the IOA GPG have been used to supplement the guidance provided within the WEDG 2006.

2.8.4 The IOA GPG refers to six Supplementary Guidance Notes and where applicable these have also been considered in this report.

2.8.5 To summarise, the assessment of operational noise from the Proposed Wind Farm has been undertaken in accordance with WEDG 2006, supplemented by the guidance presented in ETSU-R-97 and the IOA GPG where appropriate.

2.9 WSP BEIS Report

2.9.1 In February 2023, WSP (an independent consultancy) was commissioned by (the former) UK Government Department for Business, Energy & Industrial Strategy (BEIS) and published 'A review of noise guidance for onshore wind turbines' ('WSP BEIS report' [9]), which was subsequently re-issued as version 5 in September 2023, The primary aim of the review was to make a recommendation on whether, in view of government policies on noise and Net Zero, and available evidence, the existing UK guidance requires updating.

2.9.2 The WSP BEIS report concluded that:

'the guidance would benefit from further review and updating of the aspects identified. This could be supported by currently available evidence, which is summarised in this report. However, the study has also highlighted gaps in the state of knowledge, which should be addressed by further research, to support any updates to the guidance.'

2.9.3 A series of recommendations are made regarding further research whilst some additional suggestions are included regarding the development of new or updated guidance. The following recommendation is included on page 26 of the WSP BEIS report:

'the separation of the 'policy position' (addressing the balance between controlling noise impact and enabling renewable energy development), 'technical guidance' (application of the assessment approach), and 'technical justification' (the supporting evidence) into discrete, linked documents'

2.9.4 The WSP BEIS report notes at the outset that 'Any views expressed within it do not necessarily represent the views of the UK government or the governments of any of the devolved administrations'. The report does state on page 25 that:

'Consideration should be given to including a clear position statement in guidance confirming the intended policy balance between protection from noise impact, and enabling of renewable energy development (to achieve Net Zero), linked with the wider policies that underpin the government approach to noise management.'

2.9.5 As detailed above the UK Government are currently consulting on a potential replacement of ETSU-R-97 but there is no confirmed timescale for the issue of final guidance. The guidance contained within ETSU-R-97 and the IOA GPG has therefore been used to supplement the 2006 WEDGs.

3 Potential Impacts

3.1 Operational Noise Sources

3.1.1 Wind turbines may emit two types of noise. Firstly, aerodynamic noise is a more natural sounding 'broad band' noise, albeit with a characteristic modulation, or 'swish', which is produced by the movement of the rotating blades through the air. Secondly, mechanical noise may emanate from components within the nacelle of a wind turbine. Potential sources of mechanical noise include gearboxes or generators.

3.1.2 Aerodynamic noise is usually perceived when the wind speeds are generally low although at very low wind speeds the blades either do not rotate, or rotate very slowly, and so negligible aerodynamic noise is generated. In higher winds, aerodynamic noise may be masked by the normal sound of wind blowing through the trees and around buildings. The level of this natural 'masking' noise relative to the level of wind turbine noise is one of the several factors that determine the subjective audibility of the wind turbines [10].

3.1.3 The potential impact assessed in this report considers the overall noise levels of wind farms inclusive of expected Normal Amplitude Modulation (NAM), as described in ETSU-R-97. Other topics relating to operational wind farm noise characteristics, such as Low Frequency Noise (LFN) and Other Amplitude Modulation (OAM) are discussed below.

3.2 Infrasound, Low Frequency Noise and Vibration

3.2.1 The term infrasound can be defined as the frequency range below 20 Hz, while low frequency noise (LFN) is typically in the frequency range 20 – 200 Hz [11]. An average young healthy adult has an audible range from 20 Hz to 20,000 Hz, although the sensitivity of the ear varies with frequency and is most sensitive to sounds with frequencies between 500 Hz and 4,000 Hz. Wind turbines do produce low frequency sounds [12], but our threshold of hearing at such low frequencies is relatively high and they often therefore go unnoticed. Infrasound from wind turbines is often at levels below that of the noise generated by wind around buildings and other obstacles.

3.2.2 In 2004, the former Department of Trade and Industry (DTI) commissioned The Hayes McKenzie Partnership to report on claims that infrasound or LFN emitted by wind turbine generators (WTGs) were causing health effects. Of the 126 wind farms operating in the UK, five had reported LFN problems, therefore, such complaints are an exception, rather than a general problem that exists for all wind farms. Hayes McKenzie investigated the effects of infrasound and LFN at three wind farms for which complaints had been received and the results were reported in May 2006 [13]. The report concluded that:

- *'infrasound associated with modern wind turbines is not a source which will result in noise levels which may be injurious to the health of a wind farm neighbour;*
- *low frequency noise was measurable on a few occasions but below the existing permitted Night Time Noise Criterion. Wind turbine noise may result in internal noise levels within a dwelling that is just above the threshold of audibility, however at all sites it was always lower than that of local road traffic noise;*
- *that the common cause of complaint was not associated with LFN, but the occasional audible modulation of aerodynamic noise especially at night. Data collected showed that*

the internal noise levels were insufficient to wake up residents at these three sites. However once awoken, this noise can result in difficulties in returning to sleep.'

3.2.3 The Applied and Environmental Geophysics Research Group at Keele University was commissioned by the Ministry of Defence (MOD), the DTI and the British Wind Energy Association (BWEA) to undertake microseismic and infrasound monitoring of LFN and vibrations from wind farms for the purposes of siting wind farms in the vicinity of Eskdalemuir in Scotland. Whilst the testing showed that vibration can be detected several kilometres away from wind turbines, the levels of vibration from wind turbines were so small that only the most sophisticated instrumentation can reveal their presence and they are almost impossible to detect. Nevertheless, the Renewable Energy Foundation alleged potential adverse health effects and when that story was picked up in the popular press, notably the Scotsman, the report's authors expressed concern over the way in which their work had been misinterpreted and issued a rebuttal statement [(14)] in August 2005:

'Vibrations at this level and in this frequency range will be available from all kinds of sources such as traffic and background noise – they are not confined to wind turbines. To put the level of vibration into context, they are ground vibrations with amplitudes of about one millionth of a millimetre. There is no possibility of humans sensing the vibration and absolutely no risk to human health.'

3.2.4 In response to concerns that wind turbines emit infrasound and cause associated health problems, Dr Geoff Leventhall, Consultant in Noise Vibration and Acoustics and author of the Defra Report on Low Frequency Noise and its Effects, said in the article in the Scotsman ('Wind farm noise rules 'dated'- James Reynolds, 5 August 2005'):

'I can state quite categorically that there is no significant infrasound from current designs of wind turbines.'

3.2.5 An article [(15)] published in the IOA Bulletin (March/April 2009) concluded that there is no robust evidence that either low frequency noise (including 'infrasound') or ground-borne vibration from wind farms, has an adverse effect on wind farm neighbours.

3.2.6 Work [(16)] by Dr Leventhall looked at infrasound levels within the ear compared to external sources and concluded:

'The conclusion is that the continuous inner ear infrasound levels due to internal sources, which are in the same frequency range as wind turbine rotational frequencies, are higher than the levels produced in the inner ear by wind turbines, making it unlikely that the wind turbine noise will affect the vestibular systems, contrary to suggestions made following the measurements at Shirley. The masking effect is similar to that in the abdomen (Leventhall 2009). The body, and vestibular systems, appear to be built to avoid disturbance from the high levels of infrasound which are produced internally from the heartbeat and other processes. In fact, the hearing mechanisms and the balance mechanisms, although in close proximity, have developed to minimise interaction (Carey and Amin 2006).'

3.2.7 During a planning Appeal (PPA-310-2028, Clydeport Hunterston Terminal Facility, approximately 2.5 km south-west of Fairlie, 9 Jan 2018), the health impacts related to LFN associated with wind turbines were considered at length by the appointed Reporter (Mr M Croft). The Reporter considered evidence from Health Protection Scotland and the National Health Service. In addition, he also considered LFN surveys undertaken by the Appellant and

the Local Authority, both of which demonstrated compliance with planning conditions and did not identify any problems attributable to the turbine operations; some periods with highest levels of low frequency noise were in fact recorded when the turbines were not operating.

3.2.8 The Reporter concluded that:

- The literature reviews by bodies with very significant responsibilities for the health of local people found insufficient evidence to confirm a causal relationship between wind turbine noise and the type of health complaints cited by some local residents;
- The NHS's assessment is that concerns about health impact are not supported by good quality research; and
- Although given the opportunity, the Community Council failed to provide evidence that can properly be set against the general tenor of the scientific evidence.

3.2.9 The WSP BEIS report notes on page 113 that:

'Several studies have investigated the claimed links between adverse health symptoms and infrasound emissions from wind turbines. Although some experimental studies have linked infrasonic signals with activation of physiological sensory processing, these have tended to be based on signals that are not representative of wind turbine infrasound. There remains no compelling evidence of adverse health effects associated with wind turbine infrasound exposure at sound frequencies and levels expected to be present at noise-sensitive receptor locations in the vicinity of wind farms.'

3.2.10 The WSP BEIS report goes on to note on page 114 that:

'Overall, the findings from the existing evidence base indicate that infrasound from wind turbines at typical exposure levels has no direct adverse effects on physical or mental health, and reported symptoms of ill-health are more likely to be psychogenic in origin.'

3.2.11 It is noted that research into infrasound is ongoing but the WSP BEIS report concluded that:

'It is expected that further evidence from ongoing studies into wind turbine infrasound effects will emerge soon, in particular from the NHMRC studies in Australia. However, based on the existing scientific evidence, it does appear probable that the above findings will not be contradicted by newer evidence.'

3.2.12 Since the publication of the WSP BEIS report, the study that was granted funding by NHMRC (the National Health and Medical Research Council of Australia) was published in the Environmental Health Perspectives (EHP) journal which is published by the United States National Institute of Environmental Health. The study [17] aimed to test the effect of exposure to 72 hours of infrasound (designed to simulate a wind turbine infrasound signature) exposure on human physiology, particularly sleep. The study concluded that:

'Our findings did not support the idea that infrasound causes WTS[i] .High level, but inaudible, infrasound did not appear to perturb any physiological or psychological measure tested in these study participants.'

[i] WTS stands for Wind Turbine Syndrome which is a term for adverse human health effected related to the proximity of wind turbines.

3.2.13 It is therefore not considered necessary to carry out specific assessments of LFN and it has not been considered further in the noise assessment.

3.3 Amplitude Modulation of Aerodynamic Noise (AM)

3.3.1 In the context of wind turbine noise, amplitude modulation describes a variation in noise level over time; for example, observers may describe a 'whoosh whoosh' sound, which can be heard close to a wind turbine as the blades sweep past. Amplitude Modulation of aerodynamic noise is an inherent characteristic of wind turbine noise and was noted in ETSU-R-97, on page 68:

'The modulation or rhythmic swish emitted by wind turbines has been considered by some to have a characteristic that is irregular enough to attract attention. The level and depth of modulation of the blade noise is, to a degree, turbine-dependent and is dependent upon the position of the observer. Some wind turbines emit a greater level of modulation of the blade noise than others. Therefore, although some wind turbines might be considered to have a character that may attract one's attention, others have noise characteristics which are considerably less intrusive and unlikely to attract one's attention and be subject to any penalty.

This modulation of blade noise may result in a variation of the overall A-weighted noise level by as much as 3dBA (peak to trough) when measured close to a wind turbine. As distance from the wind turbine [or] wind farm increases, this depth of modulation would be expected to decrease as atmospheric absorption attenuates the high frequency energy radiated by the blade.'

3.3.2 The Acoustics community has sought to make a distinction between the AM discussed within ETSU-R-97, which is expected at most wind farms and as such may be considered as 'Normal Amplitude Modulation' (NAM), compared to the unusual AM that has sometimes been heard at some wind farms, hereinafter referred to as 'Other Amplitude Modulation' (OAM). The term OAM is used to describe an unusual feature of aerodynamic noise from wind turbines, where a greater than normal degree of regular fluctuation in sound level occurs at blade passing frequency, typically once per second. In some appeal decisions it may also be referred to as 'Excess Amplitude Modulation' (EAM). It should be noted that the noise assessment and rating procedure detailed in ETSU-R-97 fully takes into account the presence of the intrinsic level of NAM when setting acceptable noise limits for wind farms.

3.3.3 On 16 December 2013, RenewableUK (RUK) released six technical papers [18] on OAM, which reflected the outcomes of research commissioned over the previous three years, together with a template planning condition. Whilst this research undoubtedly improved understanding of OAM and its effects, it should be noted that at the time of writing it has not been endorsed by any relevant body such as the Institute of Acoustics (IOA).

3.3.4 On 22 January 2014, the IOA released a statement regarding the RUK research and the proposed planning condition to deal with the issue of amplitude modulation from a wind turbine and stated:

'This research is a significant step forward in understanding what causes amplitude modulation from a wind turbine, and how people react to it. The proposed planning condition, though, needs a period of testing and validation before it can be considered to be good practice. The IOA understands that RenewableUK will shortly be making the analysis

tool publicly available on their website so that all interested parties can test the proposed condition, and the IOA will review the results later in the year. Until that time, the IOA cautions the use of the proposed planning condition.'

3.3.5 In April 2015, an Amplitude Modulation Working Group (AMWG) formed by the IOA issued a discussion document entitled 'Methods for Rating Amplitude Modulation in Wind Turbine Noise'. The document presented three methods that can be used to quantify the level of AM at a given measurement location. After extensive consultation a preferred method of measuring OAM was recommended by the IOA in a report called 'Final Report - A Method for Rating Amplitude Modulation in Wind Turbine Noise' dated 9th August 2016, which details a preferred method for practitioners to measure and rate AM near operational wind farms. The method calculates an amplitude modulation depth value in decibel (dB) for any given 10 minute period, and the executive summary states:

'The AMWG has not addressed the question of what level of AM in wind turbine noise (when measured by a specific metric) is likely to result in adverse community response or how that response should be evaluated. The psycho-acoustic aspects of AM are not within the scope of this study, but the proposed metric is intended to assist with such further research.'

3.3.6 On 3 August 2015, the UK Department for Energy and Climate Change (DECC), subsequently the Department for Business, Energy and Industrial Strategy (BEIS), commissioned independent consultants WSP Parsons Brinkerhoff to carry out a literature review on OAM (which they refer to simply as AM). The stated aims were as follows:

- *'To review the available evidence on Amplitude Modulation (AM) in relation to wind turbines, including but not limited to the research commissioned and published by RenewableUK in December 2013;*
- *To work closely with the Institute of Acoustics' AM working group, who are expected to recommend a preferred metric and methodology for quantifying and assessing the level of AM in a sample of wind turbine noise data;*
- *To review the robustness of relevant dose response relationships, including the one developed by the University of Salford as part of the RenewableUK study, on which the correction (or penalty) for amplitude modulation proposed as part of its template planning condition is based;*
- *To consider how, in a policy context, the level(s) of AM in a sample of noise data should be interpreted, in particular determining at what point it causes a significant adverse impact;*
- *To recommend how excessive AM might be controlled through the use of an appropriate planning condition; and*
- *To consider the engineering/cost trade-offs of possible mitigation measures.'*

3.3.7 Their report [19], 'Wind Turbine AM Review – Phase 2 Report' was published in August 2016 at the same time as the release of the IOA AMWG Final Report, and concluded that there is sufficient robust evidence that excessive AM leads to increased annoyance from wind turbine noise and recommended that excessive AM is controlled through a suitably worded planning condition, which will control it during periods of complaint. Those periods should be identified by measurement using the metric proposed by the IOA, and enforcement action would rely upon professional judgement by Local Authority Environmental Health

Officers, based on the duration and frequency of occurrence. It is not clear within the body of the report what evidence the authors relied upon to arrive at their conclusions, although the Executive Summary states (page 4):

'It is noted that none of the Category 1 or 2 papers have been designed to answer the main aim of the current review in its entirety. The Category 1 studies have limited representativeness due to sample constraints and the artificiality of laboratory environments, whereas the Category 2 studies generally do not directly address the issue of AM WTN exposure-response. A meta - analysis of the identified studies was not possible due to the incompatibility of the various methodologies employed. Notwithstanding the limitations in the evidence, it was agreed with DECC that the factors to be included in a planning condition should be recommended based on the available evidence, and supplemented with professional experience'.

3.3.8 The report (19) states that any planning condition must accord with existing planning guidance, and should be subject to legal advice on a case by case basis. Existing guidance would include compliance with the six tests of a planning condition, which in Ireland are embodied in Development Management Guidelines 2007 Chapter 7. The report's authors did not dictate a particular condition to be used but did suggest that any condition should include the following elements (p5):

- *'The AM condition should cover periods of complaints (due to unacceptable AM);*
- *The IoA-recommended metric should be used to quantify AM (being the most robust available objective metric);*
- *Analysis should be made using individual 10-minute periods, applying the appropriate decibel 'penalty' to each period, with subsequent analysis;*
- *The AM decibel penalty should be additional to any decibel penalty for tonality;* [tonality means mechanical sound already covered by ETSU noise limits]*; and*
- *An additional decibel penalty is proposed during the night time period to account for the current difference between the night and day limits on many sites to ensure the control method works during the most sensitive period of the day.'*

3.3.9 In 2017 a potential noise related planning condition which included consideration of OAM was published in the Acoustics Bulletin magazine (by the IOA) written by a number of acousticians working in the field of wind farm noise in the UK. The approach outlined in the document was not subject to any wider consultation nor has it been endorsed by the IOA, the UK Government or Scottish Government. The lack of robust information regarding the second element is highlighted in the article itself which notes:

'Whilst local authorities and developers have waited for a planning condition that could be applied to newly consented wind farms, or to those already consented but with a suspensive condition, the report Wind Turbine AM Review (WTAMR) by WSP/Parsons Brinckerhoff for DECC arguably did not provide that. In addition there have been a number of comments on WTAMR that we consider should be addressed. The introductory sections and the conditions text represent the broad consensus view of those whose names appear below, following a period of discussion, compromise and agreement. This approach is proposed based on the current state of understanding, but may be subject to modification in light of new research and further robust information.'

'As various people before us have discovered, the derivation of a penalty is not easy. There is not sufficient reliable research to be confident that a penalty system would always provide a fair indication of the impact of AM.'

3.3.10 The article goes on to note that:

'However, to do nothing would be unfair on those wind farm neighbours adversely affected by AM and, in any case, there seems to be general agreement amongst many stakeholders on all sides of the debate that a robust condition including AM is required.'

3.3.11 The topic of AM from wind turbine noise was considered again in the UK in 2022, with a review of evidence commissioned by the UK Government published in the WSP BEIS report 'A review of Noise Guidance for Onshore Wind Turbines,' (October 2022). The report notes that the IOA preferred metric provides a suitable approach to measure and quantify AM near operational wind farms (whilst noting that work is ongoing to refine the approach) but also highlights that further work is required to develop a robust mechanism for controlling AM that can be incorporated into a planning condition. In relation to the potential for a penalty scheme to control AM, the WSP BEIS report notes on page 208 that:

'In practice, the details of applying such a penalty scheme are complicated by the complexities of wind turbine sound measurements. These often involve a considerable amount of data filtering and data aggregation to address the practical difficulties of measuring a highly variable source, which is often also at a level that is relatively low compared with other, fluctuating residual sounds present in the acoustic environment. Such details will need to be carefully considered in further study, and the example planning condition proposed by a group of IOA members in 2017 should be considered as a starting point.'

3.3.12 Whilst AM is discussed in the consultation draft issued by the UK Government in July 2025, until additional guidance is published, the approach set out in the IOA GPG remains valid, the document states (paragraph 7.2.10):

'7.2.1 The evidence in relation to "Excess" or "Other" Amplitude Modulation (AM) is still developing. At the time of writing, current practice is not to assign a planning condition to deal with AM.'

3.3.13 Persistent OAM can be a source of nuisance to wind farm neighbours. A recent decision of the Irish High Court on the 8th of March 2024 found that frequent and sustained periods of OAM arising from the operational Ballyduff Wind Farm, Co. Wexford, was an unreasonable interference with a neighbour's use and enjoyment of their property, which was located approximately 359 m from the nearest turbine. The issue of damages and/or an injunction were held over for later determination by the court but, in the meantime, the court directed all parties to engage in mediation with a view to devising 'appropriate mitigation measures and, if possible, to resolve all outstanding issues between them'. Therefore, for instances in which OAM arises, mitigation is possible and is the appropriate response.

3.3.14 As a summary, a significant amount of research has been undertaken in relation to OAM and key outcomes of the research are that:

- It is clear that OAM, if it occurs frequently and for sustained periods, it has the potential to result in adverse impacts for wind farm neighbours;

- It is not currently possible to predict if and when OAM will occur at a proposed wind farm site. On sites where OAM has been identified it occurs intermittently and varies in terms of severity;
- There are methodologies available that can be used to measure and quantify OAM, in particular the method produced by the Amplitude Modulation Working Group (AMWG), which was formed by the Institute of Acoustics. The methodology was presented in a report 'Methods for Rating Amplitude Modulation in Wind Turbine Noise' which was published in April 2015;
- Whilst it is possible to measure and quantify OAM using the AMWG methodology (which provides an AM rating for each 10 minute period), further study is still required to help quantify what level of OAM, if any, is acceptable. This is complicated by the fact that it is unclear whether a small amount of OAM that occurs regularly is likely to be more (or less) annoying than a large amount of OAM that occurs very infrequently; and
- Notwithstanding a lack of a defined threshold detailing what level of OAM is acceptable, there are measures available which have been shown to mitigate OAM should it occur. Measures can include:
    - Changes to the operation of the relevant wind turbine(s) by changing parameters such as blade pitch;
    - Addition of blade furniture (such has vortex generators) to alter the flow of air over the wind turbine blades; and, in extreme cases,
    - Targeted wind turbine shutdowns in specific conditions where OAM is found to occur.

  Where mitigation is required, it needs to be designed on a site-specific basis.

4 Methodology

4.1 Assessing Operational Noise Impact

4.1.1 To undertake an assessment of the operational noise impact in accordance with the requirements of the WEDG 2006, the following steps are required:

- Specify the location of the wind turbines for the Proposed Wind Farm;
- Measure the background noise levels as a function of on-site wind speed at a selection of representative Noise Monitoring Locations (NML);
- Establish for each NML the Total WEDG Noise Limits on analysis of the measured background noise levels;
- Identify the locations of all nearby noise sensitive receptors and select a sample of relevant Noise Assessment Locations (NAL). For each NAL, identify the most representative measured background noise data;
- Specify the likely noise emission characteristics of the wind turbines for the Proposed Wind Farm and all nearby cumulative wind turbines;
- Calculate the likely noise immission levels due to the cumulative operation of all relevant wind turbines and compare it to the Total WEDG Noise Limits;
- Determine the Site Specific Noise Limits, which take account of the noise limit already allocated to, or could theoretically be used by other schemes in the area; and
- Calculate the likely noise immission levels due to the operation of the Proposed Wind Farm on its own and compare it to the Proposed Wind Farm's Site Specific Noise Limits.

4.1.2 In order to consider the steps outlined above the assessment has been split into three separate stages:

- Stage 1 – establish the Total WEDG 2006 Noise Limits for each NAL based on the measured background noise levels;
- Stage 2 – undertake a cumulative assessment for locations where noise predictions from the Proposed Wind Farm are within 10 dB of the total noise predictions from the other wind farms/turbines and compare cumulative predictions against the Total WEDG Noise Limits; and
- Stage 3 – establish the Proposed Wind Farm's Site Specific Noise Limits (at levels below the Total WEDG Noise Limits, where limit apportionment is required) and compare the noise predictions from the Proposed Wind Farm on its own against the proposed Site Specific Noise Limits.

4.1.3 There are a range of turbine makes and models that may be appropriate for the Proposed Wind Farm. In the absence of a confirmed turbine model, this noise assessment models a candidate turbine, the Vestas V162 7.2 MW with serrated trailing edge blades and a hub height of 99 m. The Vestas V162 7.2 MW has been chosen as the main candidate for the assessment as it is the loudest of the candidates being considered and therefore provides the most precautionary scenario. In order to consider the full design envelope for the site, additional modelling has been undertaken using three other candidates;

- the Vestas V150 6.0 MW with serrated trailing edge blades and 105 m hub;

- the GE 5.3-158 5.3 MW with normal blades and 101 m hub; and,
- the Siemens Gamesa SG 155 6.6 MW with normal blades and 102.5 m hub.

4.1.4 Predictions for all four candidates have been included when assessing the Proposed Wind Farm against its Site Specific Noise Limits (the results are included within Annex 5). All candidates modelled are representative of the type of turbine that could be installed at the site.

4.1.5 Consultation

4.1.6 Comments regarding noise and vibration were included in the Scoping Responses from two consultees, namely the response from Transport Infrastructure Ireland (May 2023), and HSE Environmental Health (May 2023).

4.1.7 The Transport Infrastructure Ireland response states;

4.1.8 'The EIAR/EIS should consider the Environmental Noise Regulations 2006 (SI 140 of 2006) and, in particular, how the development will affect future action plans by the relevant competent authority. The developer may need to consider the incorporation of noise barriers to reduce noise impacts (see Guidelines for the Treatment of Noise and Vibration in National Road Schemes (1st Rev., National Roads Authority, 2004)).'

4.1.9 The Guidelines for the Treatment of Noise and Vibration in National Road Schemes states;

4.1.10 "The purpose of this document is to provide guidance on the treatment of noise and vibration during the planning and design of national road schemes."

4.1.11 It is not, intended for use for wind farm development or similar. Nonetheless, the document has been considered, as requested by Transport Infrastructure Ireland, to consider whether road traffic noise mitigation needs to be incorporated within the Proposed Development.

4.1.12 Section 2.3.1 of the document provides guidance on when road traffic noise mitigation measures are deemed necessary, however, the Proposed Development does not meet the stated criteria that would warrant the requirement for noise barriers, or any other noise mitigation measures, to be implemented.

4.1.13 Section 2.3.2 of the document provides some guideline noise levels that are "typically deemed acceptable," for construction noise occurring on the road network, however, it is noted that those levels are higher than the levels adopted within this EIAR in respect of the construction noise assessment. Therefore, no further cognisance has been given to these recommended levels (on the understanding that if it meets the noise thresholds adopted within the EIAR assessment it will also meet the National Roads Schemes guidance).

4.1.14 The HSE Environmental Health response sets out a number of requirements for the consideration of noise, including the need to consider construction noise and the requirement for a baseline survey to be conducted. All of the HSE requirements are covered within this EIAR, except a request to consider the Draft WEDG 2019 guidance, due to the significant limitations identified in the WEDG2019, as already explained (Section 2).

4.1.15 An additional Scoping Response was issued by HSE on 28 August 2025. Again, this response referred to the WHO documentation and the 2019 Draft WEDG. In addition, the HSE response stated;

4.1.16 "It should be noted that in the judgement of Ms. Justice Emily Egan delivered on the 8th day of March 2024 in Webster/Rollo V Meenaclogher (Wind) Limited (2024 IEHC 136) 8th March 2024 it was stated very clearly that considerations should be given to the most up to date knowledge and Guidance when considering impacts from noise. This would include the assessment methodology and the known significance of health effects from exposure to noise."

4.1.17 It is noted that the Webster/Rollo V Meenaclogher (Wind) Limited case is in fact, a noise nuisance case, rather than related to a planning application and/or Environmental Impact Assessment, and as such, we do not consider it directly relevant to this assessment. Nonetheless, TNEI can confirm that the assessment of wind turbine noise included in this EIAR, has been undertaken in accordance with 'the most up to date knowledge and guidance'.

4.2 Stage 1 Assessment Methodology – Setting the Total DoEHLG 2006 Guidelines Noise Limits

Wind Shear

4.2.1 Wind shear can be defined as *'the change in the relationship between wind speed at different heights'.* Due to wind shear, wind speeds recorded on one meteorological mast at different heights are usually different, generally the higher the anemometer the higher the wind speed recorded. For example, if a wind speed of 4 ms^{-1} is recorded at 80 m height, 3.5 ms^{-1} may be recorded at 40 m and 2.5 ms^{-1} may be recorded at 10 m.

4.2.2 Hub height wind speed is the key wind speed for a wind farm noise assessment, as it is the wind speed at hub height which will determine the noise emitted by the wind turbines and informs the turbine control system. Ideally, both wind turbine noise predictions and background noise level measurements should refer to hub height wind speed (or a representation thereof), ensuring that there is no discrepancy between the wind speed at which the noise is emitted and the wind speed at which the corresponding background noise is measured.

4.2.3 The IOA GPG states that one of three methods of wind speed measurement may be adopted. For this assessment wind speeds were recorded by a meteorological mast for a range of heights between 30 m and 80 m. In line with 'Method B' of Section 2.6.3 of the IOA GPG, the wind speed data recorded at two heights lower than hub height (80 m and 60 m) were used to extrapolate to hub height wind speeds (105 m) which was then standardised to 10 m height.

Noise Impact Criteria in the WEDG

4.2.4 Analysis of the measured data has been undertaken in accordance with ETSU-R-97 and current good practice to determine the pre-existing background noise environment and to establish the daytime and night-time Total WEDG Noise Limits for each NAL.

4.2.5 The Total WEDG Noise Limits for the daytime have been set at:

- 40 dB(A) where background noise levels are below 30 dB(A); and,
- 45 dB(A) or background noise plus 5 dB, whichever is the greater, where background noise levels are greater than 30 dB(A).

4.2.6 Total WEDG Noise Limits at night-time has been set at 43 dB(A) or background plus 5 dB, whichever is the greater.

4.2.7 This 'Total' limit relates to noise from all wind farm developments in the area. The limit was chosen with due regard to the guidance in the 2006 WEDGs.

4.2.8 The acceptable limits for wind turbine operational noise are clearly defined for all time periods by the application of the 2006 WEDG methodology. Consequently, the test applied to operational noise is whether or not the predicted wind turbine noise immission levels at nearby noise sensitive properties lie below the WEDG Noise Limits. Depending on the levels of background noise, the satisfaction of the WEDG derived limits can lead to a situation whereby, at some locations under some wind conditions and for a certain proportion of the time, the wind turbine noise would be audible.

4.3 Assessment of likely effects and the requirement for a cumulative assessment (Stage 2)

4.3.1 The 2006 WEDGs do not include any information on the assessment of cumulative noise impacts, therefore the guidance provided within the IOA GPG (2013) has been adopted. The IOA GPG contains a detailed section on cumulative noise and provides guidance on where a cumulative assessment is required. Section 5.1.4 and 5.1.5 of the GPG state:

'During scoping of a new wind farm development consideration should be given to cumulative noise impacts from any other wind farms in the locality. If the proposed wind farm produces noise levels within 10 dB of any existing wind farm/s at the same receptor location, then a cumulative noise impact assessment is necessary.

Equally, in such cases where noise from the proposed wind farm is predicted to be 10 dB greater than that from the existing wind farm (but compliant with ETSU-R-97 in its own right), then a cumulative noise impact assessment would not be necessary.'

4.3.2 An assessment was undertaken at each of the noise sensitive receptors proximate to the Proposed Wind Farm and other nearby operational and proposed wind farm developments to determine whether the wind turbine noise immission from the Proposed Wind Farm were within 10 dB of the wind turbine noise immission from the other schemes. Where predictions were found to be within 10 dB of each other, then a cumulative noise assessment was undertaken to determine the likely impacts of the Proposed Wind Farm, however, if wind turbine immission were more than 10 dB apart then a cumulative noise assessment was not required.

Noise Prediction / Propagation Model

4.3.3 The ISO 9613-2: 1996 *'Acoustics – Attenuation of sound during propagation outdoors Part 2: General method of calculation'* [20] model algorithm provides a robust prediction method for

calculating the noise immission levels at the nearest receptors. A European Commission (EC) research project into wind farm noise propagation over large distances, published as 'Development of a Wind Farm Noise Prediction Model,' JOULE project JOR3-CT95-0051 in 1998, identified a simplified version of ISO 9613-2 as the most suitable at that time, but the full method has been used for this assessment.

4.3.4 Guidance on noise prediction and propagation modelling is not provided within the 2006 WEDGs, however the use of ISO 9613-2 is discussed within the IOA GPG which states, in Section 4.1.4:

'ISO 9613-2 standard in particular, which is widely used in the UK, can be applied to obtain realistic predictions of noise from on-shore wind turbines during worst case propagation conditions (i.e. sound speed gradients due to downwind conditions or temperature inversions), but only provided that the appropriate choice of input parameters and correction factors are made.'

4.3.5 There is currently no standard approach to specifying error bands on noise predictions, however, Table 5 of ISO 9613-2 suggests, at best, an estimated of accuracy of ± 3 dB(A). The work undertaken as part of the EC research study concluded that the ISO 9613-2 algorithm reliably predicted noise levels that would generally occur under downwind propagation conditions. The error bands referenced in the ISO standard itself relate to the general application of the standard. Additional, wind farm specific studies, have also been undertaken to validate the use of the standard to predict wind farm noise and these are referenced in Section 4 of the IOA GPG which goes on to conclude that:

'The outcome of this research has demonstrated that the ISO 9613-2 standard in particular, which is widely used in the UK, can be applied to obtain realistic predictions of noise from on-shore wind turbines during worst case propagation conditions (i.e. sound speed gradients due to downwind conditions or temperature inversions), but only provided that the appropriate choice of input parameters and correction factors are made.'

4.3.6 TNEIs experience of undertaking compliance monitoring for operational wind farms indicates that the predictions undertaken using the guidance in the IOA GPG show a good correlation with measured levels.

4.3.7 The ISO 9613-2 model can take account of the following factors that influence sound propagation outdoors:

- Geometric divergence;
- Atmospheric absorption;
- Reflecting obstacles;
- Screening;
- Vegetation; and
- Ground attenuation.

4.3.8 The model uses the octave band sound power output of the turbine as the acoustic input data. It then calculates attenuation due to the factors mentioned above, on an octave band basis where appropriate.

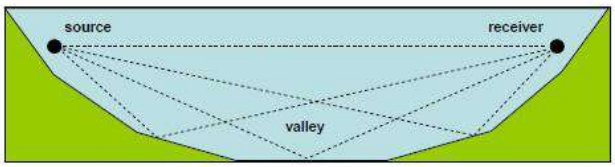
4.3.9 The IOA GPG quotes a comparative study undertaken in Australia that indicated ISO 9613-2 can, in some conditions, under-predict ground attenuation effects and the potential for

additional reflection paths 'across a valley', whilst slightly over-predicting on flat terrain. It should be noted, however, that the wind farm layouts studied were untypical for the UK, with rows of turbines spreading over 10 km on an elevated ridge. It also should be noted that no correction for background contribution was undertaken and the monitoring locations were located as far as 1.7km from the nearest turbine, where turbine noise may be at similar levels to background noise and therefore difficult to differentiate. For the study's modelling work topographic height data was included as an input, which is consistent with ISO 9613-2 methodology generally, but not with how barrier attenuations are calculated using the topography data as part of the requirements of the IOA GPG.

4.3.10 The model used in this assessment does not model barrier attenuation using the method in ISO 9613-2, but instead uses the guidance in the IOA GPG to consider whether any topographical corrections are required as set out below in Sections 4.4.10 to 4.4.13. Any differences in ground height (AOD) between the receptors and the turbines are considered when calculating the propagation distance between each source and receiver.

4.3.11 The IOA GPG states that a *'further correction of +3 dB should be added to the calculated overall A-weighted level for propagation 'across a valley', i.e. a concave ground profile or where the ground falls away significantly between a turbine and the receiver location.'* The potential reflection paths are illustrated in Schematic 4.1 below.

Schematic 4.1: Multiple reflection paths for sound propagation across concave ground



Source: IOA GPG, page 21, Figure 5

4.3.12 A formula from the JOULE Project JOR3-CT95-0051 dated 1998 is suggested for determining whether a correction is required.

$$h_m \geq 1.5 \times (abs\ (h_s - h_r) / 2)$$

where h_m is the mean height above the ground of the direct line of sight from the receiver to the source (as defined in ISO 9613-2, Figure 3), and h_s and h_r are the heights above local ground level of the source and receiver respectively).

4.3.13 The calculation of h_m requires consideration of the digital terrain model and needs to be performed for each path between every turbine and every receiver. Interpretation of the results of the calculation above and the subsequent inclusion of a concave ground profile correction requires careful consideration with any topographical variation considered in the context of a site.

4.3.14 The IOA GPG also discusses the potential for topographical screening effects of the terrain surrounding a wind farm and the nearby noise sensitive receptors. Although barrier screening effects in ISO 9613-2 can make corrections of up to 15 dB, the IOA GPG states that where there is no line of sight between the highest point on the rotor and the receiver location a reduction of no more than 2 dB may be applied.

4.4 Noise Propagation Parameters

4.4.1 The noise immission levels have been calculated using the full IOS 9613-2 model with a receiver height of 4.0 m above local ground level, mixed ground (G=0.5) and air absorption based on a temperature of 10 °C and 70 % relative humidity. The modelling parameters reflect current good practice as detailed within the IOA GPG.

4.4.2 The wind turbine noise immission levels are based on the $L_{A90,10\ minute}$ noise indicator in accordance with the recommendations in the 2006 WEDGs, which were obtained by subtracting 2dB(A) from the turbine sound power level data (L_{Aeq} indicator).

4.4.3 A topographical assessment has been undertaken between each NSR and wind turbine location to determine whether any concave ground profiles exist between the source and receiver (noise sensitive receptor). Analysis undertaken using a combination of CadnaA [21] and an Excel model found that if the formula in the IOA GPG is applied directly no further topographical corrections are required.

4.4.4 In addition, an assessment has been undertaken to determine whether any topographical screening effects of the terrain occur where there is no direct line of sight between the highest point on the turbine rotor and the receiver location. Upon analysis of each NSR it was found that no further barrier corrections were required. In reality, there is significant screening at some of the locations so more attenuation may occur in practice.

4.4.5 The need to include a concave ground/screening correction may change depending on the final location of the turbines (following micrositing) and the final turbine hub height. Nevertheless, turbine noise levels will have to meet the noise limits detailed in planning conditions regardless of any difference in noise propagation caused by topography. Should planning permission be granted for the Proposed Wind Farm, the need to apply a concave slope correction will need to be considered by the Applicant prior to the final selection of a turbine model for the Proposed Wind Farm.

4.4.6 The cumulative assessment has taken into account directivity effects in line with good practice. The directivity of wind turbines has been recognised for some time. Building on earlier work by NASA, in 1988 Wyle Laboratories studied sound propagation using an omnidirectional loudspeaker source elevated 80 ft above ground, in upwind, downwind and cross wind situations, and in both flat and hilly terrain, then compared those measurements to measured data from actual wind turbines. Their study quantified directivity factors for a limited frequency range, but was unable to conclusively demonstrate the anticipated directivity effects on real wind turbines. It also highlighted, but was unable to explain, measured differences observed between flat and hilly terrain.

4.4.7 Hubbard (1990) (IOA GPG Section 4.4.3) described a number of factors believed to influence propagation and directivity, notably refraction caused by vertical wind and temperature gradients. In the downwind direction the wind gradient causes the sound rays to bend toward the ground, whereas in the upwind direction the rays curve upward away from the ground. Upwind of the turbine this results in a region of increased attenuation termed the 'shadow zone'. The excess attenuation is frequency dependent, with lowest frequencies least attenuated. Relating this to the earlier NASA studies, Hubbard noted that the distance from the source to the edge of the shadow zone is related to the wind speed gradient and the elevation of the source, which for a typical turbine source was calculated to be approximately 5 times the source height.

4.4.8 This observation was adopted in the IOA GPG, which states (Section 4.4.2) 'Such reductions (due to "shadow zone" refraction effects) will in practice only progressively come into play at distances of between 5 and 10 turbine tip heights', while Section 4.4.3 provides graphical examples of increasing broadband directivity with increasing tip height scaling in both flat and hilly terrain, without qualifying either of those designations.

4.4.9 The IOA GPG recommends (Section 4.4.1) that directivity attenuation factors adopted in any assessment should be clearly stated. The noise model has considered the effect of directivity and in line with current good practice the attenuation values used are in detailed in Table 4.1 These are based upon the examples given in the IOA GPG (Section 4.4.2), using interpolation where required.

Table 4.1 Wind Directivity Attenuation Factors used in Modelling

Direction (º)	0	15	30	45	60	75	90	105	120	135	150	165
Attenuation dB(A))	-10	-9.9	-9.3	-8.3	-6.7	-4.6	-2	0	0	0	0	0
Direction (º)	180	195	210	225	240	255	270	285	300	315	330	345
Attenuation (dB(A))	0	0	0	0	0	0	-2	-4.6	-6.7	-8.3	-9.3	-9.9

4.5 Setting the Site Specific Noise Limits (Stage 3)

4.5.1 Summary Box 21 of the IOA GPG states:

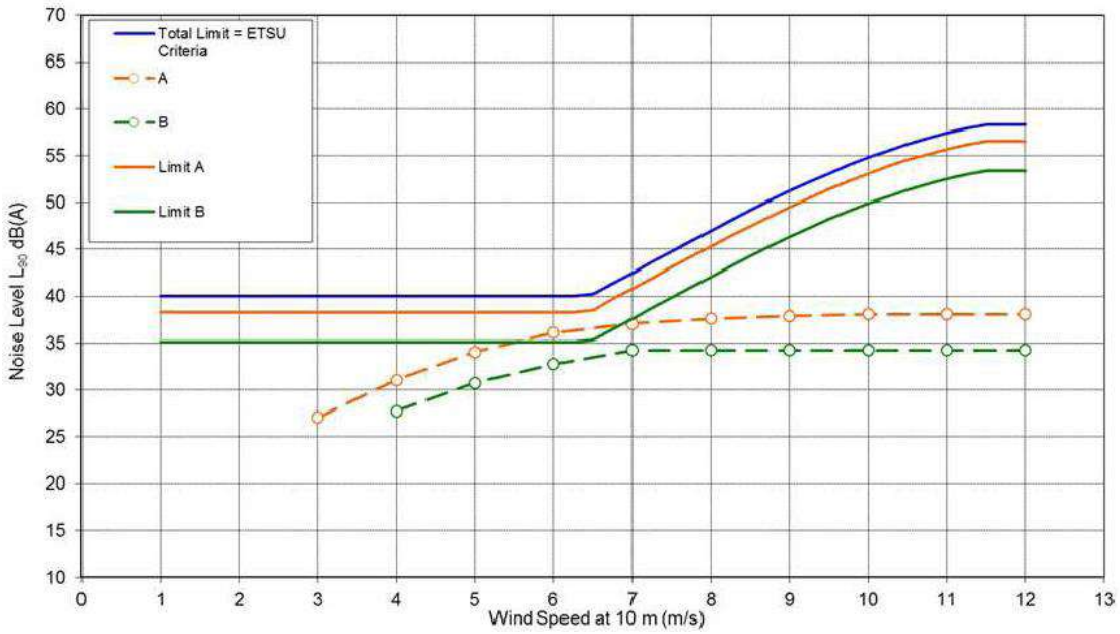
'Whenever a cumulative situation is encountered, the noise limits for an individual wind farm should be determined in such a way that no cumulative excess of the total ETSU-R-97 noise limit would occur.'

4.5.2 In order to determine Site Specific Noise Limits at receptors in proximity to the Proposed Wind Farm (where required), the guidance detailed within Section 5.4 of the IOA GPG has been considered. The options detailed within Section 5.4 of the IOA GPG are summarised below.

Limit Apportionment

4.5.3 Limit apportionment considers the potential to share out the noise limit with other proposed wind farms in the area. This approach is demonstrated in Graph 4.1 below which is reproduced from the Section 5.4 of the IOA GPG. In this example the total limit (shown in blue) is shared between two proposed wind farms (A and B). The two noise limits for a given receptor (the solid orange and green lines) when added together equate to the total noise limit, and the predicted levels for each wind farm (the dashed lines) meet the specific limits established for each wind farm.

Graph 4.1: Limit Apportionment Example



Significant Headroom

4.5.4 The limit derivation can also be undertaken with consideration to the amount of headroom between another scheme's predictions and the Total Noise Limit. With regard to this Section 5.4.11 of the IOA GPG states:

'In cases where there is significant headroom (e.g. 5 to 10 dB) between the predicted noise levels from the existing wind farm and the Total Noise Limits, where there would be no realistic prospect of the existing wind farm producing noise levels up to the Total Noise Limits, agreement could be sought with the LPA as to a suitable predicted noise level (including an appropriate margin to cover factors such as potential increases in noise) from the existing wind farm to be used to inform the available headroom for the cumulative assessment without the need for negotiation or cumulative conditioning. This may be the case particularly at low wind speeds.'

4.5.5 With this in mind, where appropriate, an additional 2 dB buffer has been added to the other schemes' turbine noise predictions. This is considered to be a suitable buffer in accordance with Section 5.4.11 of the IOA GPG and would represent a 60% increase in emitted noise levels from the other schemes.

10 dB Rule

4.5.6 Where predicted wind turbine noise levels from the nearby wind farms/ turbine schemes are found to be >10 dB below the Total WEDG Noise Limits then it has been deemed appropriate to allocate the entire noise limit to the Proposed Wind Farm as the existing schemes will use a negligible proportion of the noise budget. Further information on the approach to apportionment is provided in Section 6.5 below.

5 Baseline

5.1 Identification of Potential Noise Receptors

5.1.1 The 2006 WEDGs state that *'a noise sensitive location includes any occupied dwelling house, hostel, health building or place of worship and may include areas of particular scenic quality or special recreational amenity importance.'* Following a review of NSRs surrounding the Proposed Wind Farm, the closest receptors were found all to be residential properties.

5.1.2 Of the identified receptors, a total of seven Noise Monitoring Locations (NMLs) were selected as being appropriate locations to determine a representative baseline for all of the identified NSRs. The location of the NMLs relative to the Proposed Wind Farm site is shown on Figure A1.1a in Annex 1.

5.1.3 The NMLs were selected following a detailed review of the area using aerial photography and on site checks. Where possible, locations were selected that were subject to minimal influence from other noise sources, such as local watercourses and vegetation.

5.2 Background Noise Survey

5.2.1 Background noise monitoring was undertaken for the purposes of setting the Total WEDG Noise Limits. Data was recorded over the period 7th October 2022 – 31st December 2022 for NMLs 1-6, and to the 05th January 2023 for NML7. NMLs 1-6 were incorrectly setup to stop recording on the 31st, but this was not the case for NML7.

5.2.2 Details of the exact monitoring periods, the rationale behind the exact kit location and the dominant noise sources observed at each of the NMLs are detailed in the Field Data Sheets (FDS) and installation report included in Annex 2.

5.2.3 The NML is the position that the sound level meter was sited at each property, as shown on Figure A1.1a (Annex 1) and summarised in Table 5.1 below.

Table 5.1 Noise Monitoring Locations

NML	X (ITM)	Y (ITM)
NML1	557141	748275
NML2	557535	749999
NML3	555042	751218
NML4	554814	749877
NML5	554010	748665
NML6	554262	746953
NML7	556015	747381

5.3 Noise Monitoring Equipment

5.3.1 Section 2.4 of the IOA GPG includes information on the type and specification of noise monitoring equipment that should be used for background noise surveys and states:

'Noise measurement equipment and calibrators used on site should comply with Class 1/Type 1 of the relevant standard(s). Enhanced microphone windscreens should be used. Standard windshields of a diameter of less than 100 mm cannot be relied upon to provide sufficient reduction of wind noise in most circumstances.'

5.3.2 The noise monitoring equipment used for the background noise survey meets with the requirements of the IOA GPG. Details of the noise monitoring equipment used, the calibration drift recorded and photographs at each NML are detailed in the FDS included in Annex 2. The IOA GPG states that for calibration drift greater than 1 dB the measurements should be discarded. The maximum calibration drift recorded during the noise survey was -0.2 dB as detailed in the FDS therefore no correction was applied to the noise data.

5.3.3 Copies of the calibration/conformance certificates for the sound level meters and sound level calibrator used for the noise survey are included in Annex 3. All sound level meters conform to Class 1/ Type 1.

5.3.4 The microphones were all mounted between 1.2 m and 1.5 m above local ground level, situated between 3.5 m and 20 m from the dwelling and were located *'in an area frequently used for rest and relaxation'* (Section 2.5.1 of IOA GPG), and away from obvious local sources of noise such as boiler flues, fans and running water. The sound level meters were situated as far away from hard reflective surfaces such as fences and walls as practicable.

5.3.5 All measurement systems were set to log the L_{A90} and L_{Aeq} noise levels in ten-minute intervals continuously over the deployment period.

5.4 Meteorological Data

5.4.1 The 2006 WEDGs state on Page 29 that:

'Noise limits should be applied to external locations, and should reflect the variation in both turbine source noise and background noise with wind speed.'

5.4.2 ETSU-R-97 states on Page 84 that:

'background noise measurements should be correlated with wind speed measurements performed at the proposed site, such that the actual operating noise levels from the turbines may be compared with the noise levels that would otherwise be experienced at a dwelling.'

5.4.3 The preferred methodologies for measuring or calculating wind shear are detailed in Section 4.2.1.

5.4.4 For the Proposed Wind Farm, concurrent wind speed and direction were recorded using a meteorological mast which was located within the Proposed Wind Farm site (ITM location 555726, 749021). The meteorological data was collected and provided by the Applicant. The wind data measured at 80 m and 60 m height was used to calculate hub height wind speeds (at 105 m). These hub height wind speeds were then standardised to a height of 10m in accordance with current good practice. Wind speed and direction data were collected over the same time-scale, and averaged over the same ten-minute periods as the noise data to

provide the analysis of the measured background noise as a function of wind speed and direction.

5.4.5 The installation report and calibration information for the mast can be provided upon request.

5.4.6 Tipping bucket rain gauges were installed at NML4 and NML6 for the duration of the noise survey to record periods of rainfall, time synchronised to the sound measurements. Rain data were collected by TNEI. As per the recommendations in Section 3.1.9 of the IOA GPG, the rain data were analysed by TNEI and the 10-minute periods that contained a registered rainfall event and the preceding 10-minute periods have been excluded. All excluded rainfall periods are shown on Figures A1.2a-A1.2g (Annex 1) as blue squares.

5.4.7 NML7's data was noted to have spurious periods occurring throughout the survey, on analysis this was found to occur around sunrise and sunset and could be attributed to birdsong. More isolated instances of raised levels also occurred at other NMLs. The periods were manually excluded from the dataset and are shown on Figures A1.2a-A1.2g (Annex 1) as red triangles.

5.5 Influence of Existing Turbines on Background Measurements

5.5.1 ETSU-R-97 states that background noise levels should be determined such that they are not influenced by existing turbine noise - the closest operational wind farm at the time of surveying to the NMLs is a two-turbine scheme (Cloonlusk) located over 8 km away, therefore an assessment to consider the potential influence of existing wind turbines was not required.

5.6 Directional Filtering of Background Noise

5.6.1 In Section 3.1.22 of the IOA GPG the need to directionally filter background noise data is discussed. Where a receiver is located upwind of a dominant local noise source whilst also being systematically downwind of the turbines then it may be necessary to filter background noise data particularly when this corresponds to the prevailing wind direction.

5.6.2 For this site there are no dominant local noise sources so no directional filtering was undertaken.

5.7 Analysis of Measured Data

5.7.1 Analysis of the measured data has been undertaken in accordance with the recommendations in the 2006 WEDGs, ETSU-R-97 and the IOA GPG.

5.7.2 Meteorological data was screened upon receipt by TNEI and where rainfall occurred, the noise and wind speed data has been excluded from the assessment as detailed in Section 5.4 above.

5.7.3 Time series graphs are provided in Annex 4, which show the variation in measured wind speed/direction and noise level over the monitoring period. These graphs also show where data was excluded, either due to rainfall, birdsong (dawn chorus) or manual exclusions due to atypical data.

5.8 Prevailing Background Noise Level

5.8.1 Table 5.2 and Table 5.3 summarise the derived prevailing background noise levels from the baseline survey.

Table 5.2 Summary of Prevailing Background Noise Levels during Quiet Daytime Periods ($L_{A90,10\ min}$ dB(A))

NML	Wind Speed (ms^{-1}) as standardised to 10m height											
	1	2	3	4	5	6	7	8	9	10	11	12
NML1	30.1*	30.1*	30.1*	30.1	30.5	31.4	32.9	34.9	37.5	40.6	44.3	48.5
NML2	24.9*	24.9*	24.9	25.4	26.5	28.3	30.6	33.4	36.6	40.2	44.2	48.4
NML3	22.3*	22.3*	22.3	22.6	23.7	25.6	28.1	31.3	35	39.3	44.1	49.3
NML4	34.4*	34.4*	34.4	34.5	34.9	35.5	36.5	37.9	39.8	42.3	45.5	49.4
NML5	26.3*	26.3*	26.3	26.7	27.5	28.7	30.3	32.6	35.5	39.3	43.9	49.6
NML6	28.6*	28.6	29	29.5	30.2	31.1	32.4	34.1	36.3	39.2	42.7	47.1
NML7	30.8*	30.8	30.9	31.6	32.8	34.6	37	39.9	43.4	47.4	52	57.2

**restricted where derived minimum occurs at lower wind speeds and derived maximum occurs at higher wind speeds, see Section 5.8.4.*

Table 5.3 Summary of Prevailing Background Noise Levels during Night-time Periods ($L_{A90,10\ min}$ dB(A))

NML	Wind Speed (ms^{-1}) as standardised to 10m height											
	1	2	3	4	5	6	7	8	9	10	11	12
NML1	28*	28*	28*	28	28.3	29.3	30.8	32.9	35.6	38.9	42.8	47.3
NML2	18.5*	18.5*	18.5	18.7	20.2	22.7	26.1	30.1	34.7	39.5	44.4	49.3
NML3	16.7*	16.7*	16.7	16.9	18.3	20.6	23.8	27.9	32.6	38	43.8	50.2
NML4	33.3*	33.3	33.1	33.1	33.3	33.9	34.9	36.4	38.4	41	44.4	48.4
NML5	19.1*	19.1*	19.1	19.2	20.3	22.1	24.8	28.1	32.1	36.7	41.7	47.2
NML6	20.3*	20.3*	20.3*	20.3	21.2	22.9	25.3	28.3	31.8	35.7	39.9	44.2
NML7	22.1*	22.1	22.6	23.9	25.8	28.4	31.7	35.7	40.3	45.7	51.8	58.5

**restricted where derived minimum occurs at lower wind speeds and derived maximum occurs at higher wind speeds, see Section 5.8.4.*

5.8.2 A series of graphs are presented for each of the NMLs to illustrate the data collected, these are included as Figures A1.2a - A1.2g (Annex 1). There is a set of graphs for each NML, which

show the range of wind speeds and directions recorded during the survey, the 10-minute average wind speed plotted against the recorded $L_{A90, 10min}$ noise level, and a calculated 'best fit' polynomial regression line for both quiet daytime and night-time periods. Each Figure also includes a table with the number of measured data points per integer wind speed bin and the prevailing measured background noise level. An additional set of time series graphs showing the excluded data have been included within Annex 4.

5.8.3 The background noise levels have been calculated using a best fit polynomial regression line of no more than a fourth order through the measured $L_{A90, 10min}$ noise data, as required by ETSU-R-97 and the IOA GPG.

5.8.4 In line with the recommendations included in Section 3.1.21 of the IOA GPG, where relevant, the polynomial background curve for the low speed conditions has been flatlined at the lower wind speeds where the derived minimum occurs. This is presented on the figures, the final regression analysis curve is shown as a continuous black line and the original polynomial line of best fit through the data is shown as a dashed black line.

5.8.5 Section 2.9.5 of the IOA GPG recommends that no fewer than 200 valid data points should be recorded in each of the quiet daytime and night-time periods, with no fewer than 5 valid data points in any 1 ms^{-1} wind speed bin. Where the background noise data has been filtered by wind direction the IOA GPG (Section 2.9.6) recommends that 100 data points and 3 per wind speed bin may be appropriate. Where the minimum number of data points in a wind speed bin was not achieved, data in that bin is usually manually excluded from the assessment but that is not required here.

5.8.6 A summary of the analysis applied to the individual datasets as recommended by the IOA GPG is included in Table 5.4 below.

Table 5.4 Analysis of Measured Datasets

NML	Quiet Daytime	Night-time
NML1	Flatlined below 4 ms^{-1} (minimum level recorded)	Flatlined below 4 ms^{-1} (minimum level recorded)
NML2	Flatlined below 3 ms^{-1} (minimum level recorded)	Flatlined below 3 ms^{-1} (minimum level recorded)
NML3	Flatlined below 3 ms^{-1} (minimum level recorded)	Flatlined below 3 ms^{-1} (minimum level recorded)
NML4	Flatlined below 3 ms^{-1} (minimum level recorded)	Flatlined below 4 ms^{-1} (minimum level recorded)
NML5	Flatlined below 3 ms^{-1} (minimum level recorded)	Flatlined below 3 ms^{-1} (minimum level recorded)
NML6	Flatlined below 2 ms^{-1} (minimum level recorded)	Flatlined below 4 ms^{-1} (minimum level recorded)
NML7	Flatlined below 2 ms^{-1} (minimum level recorded)	Flatlined below 2 ms^{-1} (minimum level recorded)

5.8.7 The number of data points measured in each wind speed bin for each receptor, once exclusions were applied, are summarised in Figures A1.2a - A1.2g (Annex 1). The Figures also show the final prevailing background noise levels which have been determined following the analysis detailed above.

6 Noise Assessment Results

6.1 Noise Sensitive Receptors and Noise Assessment Locations

6.1.1 As part of the initial noise modelling work all NSRs in proximity to the Proposed Wind Farm were identified. A total of ten NSRs were chosen as representative Noise Assessment Locations (NAL). The NALs were chosen to represent the noise sensitive receptors located closest to the Proposed Wind Farm. The modelling results for the NALs have been presented within the main body of this report whilst an assessment for all other NSRs has been included within Annex 5 of this report for completeness. Each NAL and NSR are shown on Figures A1.1a. Figures A1.1c-f also highlight zoomed in NSR areas around the Proposed Wind Farm (Annex 1).

6.1.2 Predictions of noise at the NALs ensures that the assessment reports the worst case (loudest) noise immission level expected at each group of NSRs. Table 6.1 details which NML has been used to set noise limits for each NAL and a similar table detailing which NML has been used to set limits at each NSR has also been included within Annex 5.

Table 6.1 Noise Assessment Locations

Noise Assessment Location (NAL)	Easting (m)	Northing (m)	Elevation (m AOD)	Distance to Nearest Turbine (m)	Background Noise Data Used
NAL1 (NSR17)	555149	751226	68	837 (T7)	NML3
NAL2 (NSR16)	556368	750618	72	813 (T7)	NML2
NAL3 (NSR6)	557538	749999	71	744 (T9)	NML2
NAL4 (NSR1)	557118	748640	75	727 (T8)	NML1
NAL5 (NSR15)	556385	747820	80	808 (T4)	NML7
NAL6 (NSR10)	556020	747382	78	765 (T1)	NML7
NAL7 (NSR31)	554906	746753	86	949 (T1)	NML6
NAL8 (NSR4)	554571	747565	78	733 (T1)	NML6
NAL9 (NSR5)	554829	748694	76	742 (T3)	NML5
NAL10 (NSR3)	554940	749857	76	731 (T6)	NML4

6.2 Noise Emission Characteristics of the Wind Turbines

6.2.1 This assessment models a candidate turbine, the Vestas V162 7.2 MW with serrated trailing edge blades and a hub height of 99 m. The Vestas V162 7.2 MW has been chosen as the main

candidate for the assessment as it is the loudest of the candidates being considered and therefore provides the most precautionary scenario. In order to consider the full design envelope for the site, additional modelling has been undertaken using three other candidates;

- the Vestas V150 6.0 MW with serrated trailing edge blades and 105 m hub;
- the GE 5.3-158 5.3 MW with normal blades and 101 m hub; and,
- the Siemens Gamesa SG 155 6.6 MW with normal blades and 102.5 m hub.

6.2.2 For the cumulative assessment the turbines considered are summarised in Annex 6 and the noise immission levels from the cumulative schemes are included within Annex 5. Sound Power Level Data for the candidate turbines used in this assessment in shown in Annex 7 data for some turbines has not been included due to data confidentiality. The detailed noise data would be available upon request subject to the signing of the appropriate Non-Disclosure Agreement.

6.2.3 Due to the differences in the way in which levels are provided by the different manufacturers, TNEI has accounted for uncertainty using the guidance contained within Section 4.2 of the IOA GPG (2013). Details of the sound power level, octave data and measurement uncertainty used for the turbine types considered in this assessment which are not subject to data confidentiality are included in Annex 7.

6.2.4 The source data provided for each turbine does not indicate a tonal component and as such no tonal penalty (as envisaged in ETSU-R-97) was applicable. This is consistent with the guidance provided in the IOA GPG which states, in Section 4.2.7:

'It is highly unlikely that any specific information on tonality at representative receptor separation distances in accordance with the ETSU-R-97 methodology will be available at the planning application stage. When such information is available, it should be appropriately applied. It is standard to control the potential presence of tones in practice through the use of suitable planning conditions.'

6.2.5 Manufacturer noise level data is usually supplied based on a turbine of a specific hub height although the noise levels are presented as standardised to 10 m height. Accordingly, the noise data used in this assessment corrects the published turbine noise data following the guidance detailed in Section 4.3 of IOA GPG Supplementary Guidance Note 4, where applicable. The hub heights considered for the cumulative wind farm/turbine developments are summarised in Annex 6.

6.2.6 The location of the wind turbines are shown on Figure A1.1b and grid references are included in Annex 6.

6.3 Total WEDG Noise Limits (Stage 1)

6.3.1 The Total WEDG Noise Limits have been established for each of the NALs as detailed in

6.3.2 Table 6.2 and Table 6.3 below, based on a fixed minimum level of 40 dB(A) (daytime) and 43 dB(A) (night-time).

Table 6.2 Total WEDG Noise Limits Daytime

Location	Wind Speed (ms^{-1}) as standardised to 10m height											
	1	2	3	4	5	6	7	8	9	10	11	12
NAL1 (NSR17)	40.0	40.0	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
NAL2 (NSR16)	40.0	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
NAL3 (NSR6)	40.0	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
NAL4 (NSR1)	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
NAL5 (NSR15)	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
NAL6 (NSR10)	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
NAL7 (NSR31)	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
NAL8 (NSR4)	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
NAL9 (NSR5)	40.0	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
NAL10 (NSR3)	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.3	50.5	54.4

Table 6.3 Total WEDG Noise Limits Night-time

Location	Wind Speed (ms^{-1}) as standardised to 10m height											
	1	2	3	4	5	6	7	8	9	10	11	12
NAL1 (NSR17)	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
NAL2 (NSR16)	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
NAL3 (NSR6)	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
NAL4 (NSR1)	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
NAL5 (NSR15)	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
NAL6 (NSR10)	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
NAL7 (NSR31)	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
NAL8 (NSR4)	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
NAL9 (NSR5)	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
NAL10 (NSR3)	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.4	46.0	49.4	53.4

6.4 Predicting the requirement for a cumulative assessment and the likely effects (Stage 2)

6.4.1 A likely cumulative noise assessment was undertaken for all NALs and the results are summarised in tabular form in Table 6.4 and Table 6.5. The results show that the predicted cumulative wind turbine noise immission levels (assuming a Vestas V162 as the candidate turbine for the Proposed Wind Farm) meet the 'Total WEDG Noise limits' under all conditions. The predicted 'likely' cumulative levels are the actual levels expected at a NAL and include the addition of an appropriate level of uncertainty to the turbine data as per Section 4.2 of the IOA GPG. The uncertainty level added is generally +2 dB but this can vary depending on the turbine manufacturer data available for each turbine.

6.4.2 Figures A1.3a-j (Annex 1) show predictions at each NAL from the Proposed Wind Farm and 'cumulative (including Proposed Wind Farm)' against the 'Total WEDG Noise Limits'. The individual contribution of the cumulative schemes are also included. It should be noted that at most NALs the contribution of the Proposed Wind Farm is dominant meaning that the predicted cumulative levels including the proposed development are very similar to the predictions for the Proposed Wind Farm on its own. In these cases, the lines are plotted on top of each other so can be hard to distinguish.

Table 6.4 WEDG Compliance Table – Likely Cumulative Noise - Daytime

Location		Wind Speed (ms^{-1}) as standardised to 10 m height											
		1	2	3	4	5	6	7	8	9	10	11	12
NAL1	Total Noise Limit: WEDG L_{A90}	40.0	40.0	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Predicted Cumulative Wind Turbine Noise L_{A90}	-	-	-	-	31.6	35.1	36.9	37.2	37.2	37.2	37.2	37.2
	Exceedance Level	-	-	-	-	-8.4	-4.9	-3.1	-7.8	-7.8	-7.8	-11.9	-17.1
NAL2	Total Noise Limit: WEDG L_{A90}	40.0	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Predicted Cumulative Wind Turbine Noise L_{A90}	-	-	-	-	34.7	38.1	39.9	40.2	40.2	40.2	40.2	40.2
	Exceedance Level	-	-	-	-	-5.3	-1.9	-5.1	-4.8	-4.8	-5	-9	-13.2
NAL3	Total Noise Limit: WEDG L_{A90}	40.0	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Predicted Cumulative Wind Turbine Noise L_{A90}	-	-	-	-	34.4	37.8	39.7	40	40	40	40	40
	Exceedance Level	-	-	-	-	-5.6	-2.2	-5.3	-5	-5	-5.2	-9.2	-13.4
NAL4	Total Noise Limit: WEDG L_{A90}	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Predicted Cumulative Wind Turbine Noise L_{A90}	-	-	-	-	35.4	38.8	40.7	41	41	41	41	41
	Exceedance Level	-	-	-	-	-9.6	-6.2	-4.3	-4	-4	-4.6	-8.3	-12.5
NAL5	Total Noise Limit: WEDG L_{A90}	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Predicted Cumulative Wind Turbine Noise L_{A90}	-	-	-	-	35.5	38.9	40.8	41.1	41.1	41.1	41.1	41.1
	Exceedance Level	-	-	-	-	-9.5	-6.1	-4.2	-3.9	-7.3	-11.3	-15.9	-21.1
NAL6	Total Noise Limit: WEDG L_{A90}	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Predicted Cumulative Wind Turbine Noise L_{A90}	-	-	-	-	35.1	38.6	40.4	40.7	40.7	40.7	40.7	40.7
	Exceedance Level	-	-	-	-	-9.9	-6.4	-4.6	-4.3	-7.7	-11.7	-16.3	-21.5

Location		Wind Speed (ms^{-1}) as standardised to 10 m height											
		1	2	3	4	5	6	7	8	9	10	11	12
NAL7	Total Noise Limit: WEDG L_{A90}	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Predicted Cumulative Wind Turbine Noise L_{A90}	-	-	-	-	30.9	34.3	36.2	36.5	36.5	36.5	36.5	36.5
	Exceedance Level	-	-	-	-	-14.1	-10.7	-8.8	-8.5	-8.5	-8.5	-11.2	-15.6
NAL8	Total Noise Limit: WEDG L_{A90}	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Predicted Cumulative Wind Turbine Noise L_{A90}	-	-	-	-	33.6	37	38.9	39.1	39.1	39.1	39.1	39.1
	Exceedance Level	-	-	-	-	-11.4	-8	-6.1	-5.9	-5.9	-5.9	-8.6	-13
NAL9	Total Noise Limit: WEDG L_{A90}	40.0	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Predicted Cumulative Wind Turbine Noise L_{A90}	-	-	-	-	35.1	38.5	40.4	40.7	40.7	40.7	40.7	40.7
	Exceedance Level	-	-	-	-	-4.9	-1.5	-4.6	-4.3	-4.3	-4.3	-8.2	-13.9
NAL10	Total Noise Limit: WEDG L_{A90}	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.3	50.5	54.4
	Predicted Cumulative Wind Turbine Noise L_{A90}	-	-	-	-	34.9	38.3	40.2	40.4	40.4	40.4	40.4	40.4
	Exceedance Level	-	-	-	-	-10.1	-6.7	-4.8	-4.6	-4.6	-6.9	-10.1	-14

Table 6.5 WEDG Compliance Table – Likely Cumulative Noise – Night-time

Location		Wind Speed (ms^{-1}) as standardised to 10 m height											
		1	2	3	4	5	6	7	8	9	10	11	12
NAL1	Total Noise Limit: WEDG L_{A90}	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Predicted Cumulative Wind Turbine Noise L_{A90}	-	-	-	-	31.6	35.1	36.9	37.2	37.2	37.2	37.2	37.2
	Exceedance Level	-	-	-	-	-11.4	-7.9	-6.1	-5.8	-5.8	-5.8	-11.6	-18
NAL2	Total Noise Limit: WEDG L_{A90}	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Predicted Cumulative Wind Turbine Noise L_{A90}	-	-	-	-	34.7	38.1	39.9	40.2	40.2	40.2	40.2	40.2
	Exceedance Level	-	-	-	-	-8.3	-4.9	-3.1	-2.8	-2.8	-4.3	-9.2	-14.1
NAL3	Total Noise Limit: WEDG L_{A90}	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Predicted Cumulative Wind Turbine Noise L_{A90}	-	-	-	-	34.4	37.8	39.7	40	40	40	40	40
	Exceedance Level	-	-	-	-	-8.6	-5.2	-3.3	-3	-3	-4.5	-9.4	-14.3
NAL4	Total Noise Limit: WEDG L_{A90}	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Predicted Cumulative Wind Turbine Noise L_{A90}	-	-	-	-	35.4	38.8	40.7	41	41	41	41	41
	Exceedance Level	-	-	-	-	-7.6	-4.2	-2.3	-2	-2	-2.9	-6.8	-11.3
NAL5	Total Noise Limit: WEDG L_{A90}	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Predicted Cumulative Wind Turbine Noise L_{A90}	-	-	-	-	35.5	38.9	40.8	41.1	41.1	41.1	41.1	41.1
	Exceedance Level	-	-	-	-	-7.5	-4.1	-2.2	-1.9	-4.2	-9.6	-15.7	-22.4
NAL6	Total Noise Limit: WEDG L_{A90}	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Predicted Cumulative Wind Turbine Noise L_{A90}	-	-	-	-	35.1	38.6	40.4	40.7	40.7	40.7	40.7	40.7
	Exceedance Level	-	-	-	-	-7.9	-4.4	-2.6	-2.3	-4.6	-10	-16.1	-22.8

Location		Wind Speed (ms^{-1}) as standardised to 10 m height											
		1	2	3	4	5	6	7	8	9	10	11	12
NAL7	Total Noise Limit: WEDG L_{A90}	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Predicted Cumulative Wind Turbine Noise L_{A90}	-	-	-	-	30.9	34.3	36.2	36.5	36.5	36.5	36.5	36.5
	Exceedance Level	-	-	-	-	-12.1	-8.7	-6.8	-6.5	-6.5	-6.5	-8.4	-12.7
NAL8	Total Noise Limit: WEDG L_{A90}	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Predicted Cumulative Wind Turbine Noise L_{A90}	-	-	-	-	33.6	37	38.9	39.1	39.1	39.1	39.1	39.1
	Exceedance Level	-	-	-	-	-9.4	-6	-4.1	-3.9	-3.9	-3.9	-5.8	-10.1
NAL9	Total Noise Limit: WEDG L_{A90}	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Predicted Cumulative Wind Turbine Noise L_{A90}	-	-	-	-	35.1	38.5	40.4	40.7	40.7	40.7	40.7	40.7
	Exceedance Level	-	-	-	-	-7.9	-4.5	-2.6	-2.3	-2.3	-2.3	-6	-11.5
NAL10	Total Noise Limit: WEDG L_{A90}	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.4	46.0	49.4	53.4
	Predicted Cumulative Wind Turbine Noise L_{A90}	-	-	-	-	34.9	38.3	40.2	40.4	40.4	40.4	40.4	40.4
	Exceedance Level	-	-	-	-	-8.1	-4.7	-2.8	-2.6	-3	-5.6	-9	-13

6.5 Derivation of Site Specific Noise Limits (Stage 3)

6.5.1 In order to protect residential amenity, the IOA GPG (2013) recommendations are that cumulatively, all schemes operate within the Total WEDG Noise Limits. This can be found in summary box SB21 of the IOA GPG (2013) which states:

'Whenever a cumulative situation is encountered, the noise limits for an individual wind farm should be determined in such a way that no cumulative excess of the total ETSU-R-97 noise limit would occur.'

6.5.2 The Site Specific Noise Limits have been derived to take account of the proportion of the noise limit that has been allocated to, or could theoretically be used by, other wind farm developments in proximity to the Proposed Wind Farm. Table 6.6 summarises the approach adopted at each NAL to derive the Site-Specific Noise Limits.

Table 6.6 Limit Derivation Strategy

NAL	Limit Derivation Strategy
All NALs	The likely noise predictions from the other schemes were found to be more than 10 dB below the Total WEDG Noise Limits during the daytime and night-time and as such the other schemes do not require a share of the noise budget and the entire noise limits have been allocated to the Proposed Wind Farm.

6.5.3 As summarised in Table 6.6 above, it is proposed that the full WEDG Noise Limits be allocated to the Proposed Wind Farm at all noise assessment locations, as the other schemes do not need a portion of the limit.

6.5.4 Table 6.7 and Table 6.8 show the daytime and night time Site Specific Noise Limits, noise predictions for the Proposed Wind Farm (Vestas V162 candidate turbine) and the exceedance level. A negative exceedance demonstrates compliance with the Site Specific Noise Limits.

6.5.5 The Stage 3 assessment shows that the predicted wind turbine noise levels from the Proposed Wind Farm meet the Site Specific Noise Limits at all locations.

6.5.6 A series of graphs to show the predicted wind turbine noise from the Proposed Wind Farm compared to the Site Specific Noise Limits are included as Figures A1.4a-s (Annex 1). There is a set of graphs for each of the NALs, which show the Total WEDG Noise Limit (solid red line), the Site Specific Noise Limit (dashed red line with triangles) and the predicted wind turbine noise from the Proposed Wind Farm (solid blue line – Vestas V162, dashed blue line with triangular markers – V150, dashed blue line with circular markers – GE158, and dashed blue line with square markers – SG155).

Table 6.7 Site Specific Noise Limits Compliance Table – Daytime

Location		Wind Speed (ms^{-1}) as standardised to 10 m height											
		1	2	3	4	5	6	7	8	9	10	11	12
NAL1	Site Specific Noise Limit L_{A90}	40.0	40.0	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Predicted Wind Turbine Noise L_{A90}	-	-	-	28.3	31.5	34.9	36.8	37.1	37.1	37.1	37.1	37.1
	Exceedance Level	-	-	-	-11.7	-8.5	-5.1	-3.2	-7.9	-7.9	-7.9	-12.0	-17.2
NAL2	Site Specific Noise Limit L_{A90}	40.0	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Predicted Wind Turbine Noise L_{A90}	-	-	-	31.5	34.6	38.1	39.9	40.2	40.2	40.2	40.2	40.2
	Exceedance Level	-	-	-	-8.5	-5.4	-1.9	-5.1	-4.8	-4.8	-5.0	-9.0	-13.2
NAL3	Site Specific Noise Limit L_{A90}	40.0	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Predicted Wind Turbine Noise L_{A90}	-	-	-	31.2	34.3	37.8	39.6	39.9	39.9	39.9	39.9	39.9
	Exceedance Level	-	-	-	-8.8	-5.7	-2.2	-5.4	-5.1	-5.1	-5.3	-9.3	-13.5
NAL4	Site Specific Noise Limit L_{A90}	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Predicted Wind Turbine Noise L_{A90}	-	-	-	32.2	35.4	38.8	40.6	40.9	40.9	40.9	40.9	40.9
	Exceedance Level	-	-	-	-12.8	-9.6	-6.2	-4.4	-4.1	-4.1	-4.7	-8.4	-12.6
NAL5	Site Specific Noise Limit L_{A90}	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Predicted Wind Turbine Noise L_{A90}	-	-	-	32.3	35.4	38.8	40.7	41.0	41.0	41.0	41.0	41.0
	Exceedance Level	-	-	-	-12.7	-9.6	-6.2	-4.3	-4.0	-7.4	-11.4	-16.0	-21.2
NAL6	Site Specific Noise Limit L_{A90}	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Predicted Wind Turbine Noise L_{A90}	-	-	-	32.0	35.1	38.5	40.4	40.7	40.7	40.7	40.7	40.7
	Exceedance Level	-	-	-	-13.0	-9.9	-6.5	-4.6	-4.3	-7.7	-11.7	-16.3	-21.5

Location		Wind Speed (ms^{-1}) as standardised to 10 m height											
		1	2	3	4	5	6	7	8	9	10	11	12
NAL7	Site Specific Noise Limit L_{A90}	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Predicted Wind Turbine Noise L_{A90}	-	-	-	27.7	30.9	34.3	36.2	36.4	36.4	36.4	36.4	36.4
	Exceedance Level	-	-	-	-12.3	-14.1	-10.7	-8.8	-8.6	-8.6	-8.6	-11.3	-15.7
NAL8	Site Specific Noise Limit L_{A90}	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Predicted Wind Turbine Noise L_{A90}	-	-	-	30.4	33.5	37.0	38.8	39.1	39.1	39.1	39.1	39.1
	Exceedance Level	-	-	-	-9.6	-11.5	-8.0	-6.2	-5.9	-5.9	-5.9	-8.6	-13.0
NAL9	Site Specific Noise Limit L_{A90}	40.0	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Predicted Wind Turbine Noise L_{A90}	-	-	-	31.9	35.1	38.5	40.4	40.7	40.7	40.7	40.7	40.7
	Exceedance Level	-	-	-	-8.1	-4.9	-1.5	-4.6	-4.3	-4.3	-4.3	-8.2	-13.9
NAL10	Site Specific Noise Limit L_{A90}	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.3	50.5	54.4
	Predicted Wind Turbine Noise L_{A90}	-	-	-	31.7	34.8	38.3	40.1	40.4	40.4	40.4	40.4	40.4
	Exceedance Level	-	-	-	-13.3	-10.2	-6.7	-4.9	-4.6	-4.6	-6.9	-10.1	-14.0

Table 6.8 Site Specific Noise Limits Compliance Table – Night time

Location		Wind Speed (ms^{-1}) as standardised to 10 m height											
		1	2	3	4	5	6	7	8	9	10	11	12
NAL1	Site Specific Noise Limit L_{A90}	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Predicted Wind Turbine Noise L_{A90}	-	-	-	28.3	31.5	34.9	36.8	37.1	37.1	37.1	37.1	37.1
	Exceedance Level	-	-	-	-14.7	-11.5	-8.1	-6.2	-5.9	-5.9	-5.9	-11.7	-18.1
NAL2	Site Specific Noise Limit L_{A90}	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Predicted Wind Turbine Noise L_{A90}	-	-	-	31.5	34.6	38.1	39.9	40.2	40.2	40.2	40.2	40.2
	Exceedance Level	-	-	-	-11.5	-8.4	-4.9	-3.1	-2.8	-2.8	-4.3	-9.2	-14.1
NAL3	Site Specific Noise Limit L_{A90}	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Predicted Wind Turbine Noise L_{A90}	-	-	-	31.2	34.3	37.8	39.6	39.9	39.9	39.9	39.9	39.9
	Exceedance Level	-	-	-	-11.8	-8.7	-5.2	-3.4	-3.1	-3.1	-4.6	-9.5	-14.4
NAL4	Site Specific Noise Limit L_{A90}	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Predicted Wind Turbine Noise L_{A90}	-	-	-	32.2	35.4	38.8	40.6	40.9	40.9	40.9	40.9	40.9
	Exceedance Level	-	-	-	-10.8	-7.6	-4.2	-2.4	-2.1	-2.1	-3.0	-6.9	-11.4
NAL5	Site Specific Noise Limit L_{A90}	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Predicted Wind Turbine Noise L_{A90}	-	-	-	32.3	35.4	38.8	40.7	41.0	41.0	41.0	41.0	41.0
	Exceedance Level	-	-	-	-10.7	-7.6	-4.2	-2.3	-2.0	-4.3	-9.7	-15.8	-22.5
NAL6	Site Specific Noise Limit L_{A90}	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Predicted Wind Turbine Noise L_{A90}	-	-	-	32.0	35.1	38.5	40.4	40.7	40.7	40.7	40.7	40.7
	Exceedance Level	-	-	-	-11.0	-7.9	-4.5	-2.6	-2.3	-4.6	-10.0	-16.1	-22.8

Location		Wind Speed (ms^{-1}) as standardised to 10 m height											
		1	2	3	4	5	6	7	8	9	10	11	12
NAL7	Site Specific Noise Limit L_{A90}	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Predicted Wind Turbine Noise L_{A90}	-	-	-	27.7	30.9	34.3	36.2	36.4	36.4	36.4	36.4	36.4
	Exceedance Level	-	-	-	-15.3	-12.1	-8.7	-6.8	-6.6	-6.6	-6.6	-8.5	-12.8
NAL8	Site Specific Noise Limit L_{A90}	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Predicted Wind Turbine Noise L_{A90}	-	-	-	30.4	33.5	37.0	38.8	39.1	39.1	39.1	39.1	39.1
	Exceedance Level	-	-	-	-12.6	-9.5	-6.0	-4.2	-3.9	-3.9	-3.9	-5.8	-10.1
NAL9	Site Specific Noise Limit L_{A90}	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Predicted Wind Turbine Noise L_{A90}	-	-	-	31.9	35.1	38.5	40.4	40.7	40.7	40.7	40.7	40.7
	Exceedance Level	-	-	-	-11.1	-7.9	-4.5	-2.6	-2.3	-2.3	-2.3	-6.0	-11.5
NAL10	Site Specific Noise Limit L_{A90}	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.4	46.0	49.4	53.4
	Predicted Wind Turbine Noise L_{A90}	-	-	-	31.7	34.8	38.3	40.1	40.4	40.4	40.4	40.4	40.4
	Exceedance Level	-	-	-	-11.3	-8.2	-4.7	-2.9	-2.6	-3.0	-5.6	-9.0	-13.0

6.5.7 The assessment shows that the predicted wind turbine noise immission levels meet the Site Specific Noise Limits under all conditions and at all locations for both daytime and night time periods at all receptors.

6.5.8 In the event that planning permission is granted for the Proposed Wind Farm it would be appropriate to set noise limits equal to the Site Specific Noise Limits contained Table 6.7 and Table 6.8.

7 Summary and Conclusions

7.1.1 This report has assessed the potential impact of operational noise from the Proposed Wind Farm on nearby NSRs using the guidance contained within the WEDG 2006. Reference was also made to guidance contained in ETSU-R-97 and the IOA GPG to supplement the WEDG 2006.

7.1.2 Background noise monitoring was undertaken by TNEI at seven NSRs neighbouring the Proposed Wind Farm. A total of 439 NSRs were identified, of which 10 were chosen as Noise Assessment Locations (NALs). For the assessment locations where no background noise measurements were undertaken, noise data collected at proxy locations considered representative of the expected background noise environment was used to assess the noise impact at those receptors.

7.1.3 Concurrent wind speed data was collected using a meteorological mast located within the Proposed Wind Farm site. The data collected at 80 m and 60 m height, which were used to calculate hub height wind speeds (105 m), were then standardised to 10 m height in accordance with current good practice.

7.1.4 Analysis of the measured data was undertaken to determine the pre-existing background noise environment and to establish the daytime and night-time noise limits for each of the assessment locations. A Total WEDG Noise Limit of 40 dB(A), where background noise levels are below 30 dB, and 45 dB or background noise plus 5 dB, whichever is the greater, where background noise levels are above 30 dB was set for the daytime period. A limit of 43 dB(A) or background noise plus 5 dB, whichever is the greater, was used for the night-time period.

7.1.5 Predictions of wind turbine noise for the Proposed Wind Farm were made, based upon the sound power level data for;

- the Vestas V162 7.2 MW with serrated trailing edge blades and 99 m hub;
- the Vestas V150 6.0 MW with serrated trailing edge blades and 105 m hub;
- the GE 5.3-158 5.3 MW with normal blades and 101 m hub; and,
- the Siemens Gamesa SG 155 6.6 MW with normal blades and 102.5 m hub.

7.1.6 The candidate turbine models are considered representative of the type of turbine that could be installed at the Proposed Wind Farm site.

7.1.7 There are a number of permitted wind farms in proximity to the Proposed Wind Farm. A cumulative assessment was undertaken at all NALs. The results show that the predicted cumulative wind farm noise immission levels would meet the Total WEDG Noise Limits at all NALs (and all identified NSRs) during both the daytime and night-time periods.

7.1.8 Site Specific Noise Limits have also been derived for the Proposed Wind Farm at all NALs. In deriving the Site-Specific Noise Limits consideration was given to the noise limit already allocated to or which could theoretically be used by other permitted wind farms in proximity to the Proposed Wind Farm. An assessment was undertaken to determine whether the Proposed Wind Farm could operate within the Site Specific Noise Limits and it was found that at all receptors turbine noise immission were below the Site Specific Noise Limits when considering all candidate turbines.

7.1.9 The use of Site Specific Noise Limits for the operational phase will ensure that the Proposed Wind Farm could operate concurrently with other operational wind farm developments in the area and would also ensure that the Proposed Wind Farm's individual contribution could be measured and enforced if required.

7.1.10 For completeness, the cumulative noise predictions for all 439 NSRs have been included within Annex 5.

7.1.11 The wind turbine models assumed in this assessment were chosen in order to allow a representative assessment of the noise impacts. Should the Proposed Wind Farm receive planning permission, the final choice of wind turbine would be subject to a competitive tendering process and the final choice of wind turbine will, however, meet the noise limits in the noise assessment.

8 Glossary of Terms

AOD: Above Ordnance Datum is the height above sea level.

Amplitude Modulation: a variation in noise level over time; for example observers may describe a 'whoosh whoosh' sound, which can be heard close to a wind turbine as the blades sweep past.

Attenuation: the reduction in level of a sound between the source and a receiver due to any combination of effects including: distance, atmospheric absorption, acoustic screening, the presence of a building façade, etc.

Background Noise: the noise level rarely fallen below in any given location over any given time period, often classed according to daytime, evening or night time periods. The L_{A90} indices (see below) is often used to represent the background noise level.

Bin: subset or group into which data can be sorted; in the case of wind speeds, bins are often centred on integer wind speeds with a width of 1 m/s. For example the 4 m/s bin would include all data with wind speeds of 3.5 to 4.5 m/s.

Dawn Chorus: noise due to birds which can occur at sunrise.

Broadband Noise: noise with components over a wide range of frequencies.

Decibel (dB): the ratio between the quietest audible sound and the loudest tolerable sound is a million to one in terms of the change in sound pressure. A logarithmic scale is used in noise level measurements because of this wide range. The scale used is the decibel (dB) scale which extends from 0 to 140 decibels (dB) corresponding to the intensity of the sound level.

dB(A): the ear has the ability to recognise a particular sound depending on its pitch or frequency. Microphones cannot differentiate noise in the same way as the ear, and to counter this weakness the noise measuring instrument applies a correction to correspond more closely to the frequency response of the human ear. The correction factor is called 'A Weighting' and the resulting measurements are written as dB(A). The dB(A) is internationally accepted and has been found to correspond well with people's subjective reaction to noise. Some typical subjective changes in noise levels are:

- a change of 3 dB(A) is just perceptible;
- a change of 5 dB(A) is clearly perceptible;
- a change of 10 dB(A) is twice (or half) as loud.

Directivity: the property of a sound source that causes more sound to be radiated in one direction than another.

Frequency: the pitch of a sound in Hz or kHz. See Hertz.

Ground Effects: the modification of sound at a receiver location due to the interaction of the sound wave with the ground along its propagation path from source to receiver. Described using the term 'G', and ranges between 0 (hard), 0.5 (mixed) and 1 (soft).

Hertz (Hz): sound frequency refers to how quickly the air vibrates, or how close the sound waves are to each other (in cycles per second, or Hertz (Hz)).

L_w: is the sound power level. It is a measure of the total noise energy radiated by a source of noise, and is used to calculate noise levels at a distant location. The L_{WA} is the A-weighted sound power level.

L_{eq}: is the equivalent continuous sound level, and is the sound level of a steady sound with the same energy as a fluctuating sound over the same period. It is possible to consider this level as the ambient noise encompassing all noise at a given time. The $LA_{eq,T}$ is the A-weighted equivalent continuous sound level over a given time period (T).

L_{90}: index represents the noise level exceeded for 90 percent of the measurement period and is used to indicate quieter times during the measurement period. It is often used to measure the background noise level. The $L_{A90,10min}$ is the A-weighted background noise level over a ten minute measurement sample.

Noise emission: the noise energy emitted by a source (e.g. a wind turbine).

Noise immission: the sound pressure level detected at a given location (e.g. the nearest dwelling).

Night-Time Hours: ETSU-R-97 defines the night time hours as 23.00 to 07.00 every day.

Quiet Daytime Hours: ETSU-R-97 defines the amenity hours as 18.00 to 23.00 Monday to Friday, 13.00 to 23.00 on Saturdays and 07.00 to 23.00 on Sundays.

Sound Level Meter: an instrument for measuring sound pressure level.

Sound Power Level: the total sound power radiated by a source, in decibels.

Sound Pressure Level: a measure of the sound pressure at a point, in decibels**.**

Standardised Wind Speed: a wind speed measured at a height different than 10 m (generally measured at the turbine hub height) which is expressed to a reference height of 10 m using a roughness length of 0.05 for standardisation purpose (in accordance with the IEC 61400-11 standard).

Tonal Noise: noise which covers a very restricted range of frequencies (e.g. a range of ≤20 Hz). This noise can be more annoying than broadband noise.

Wind Shear: the increase of wind speed with height above the ground.

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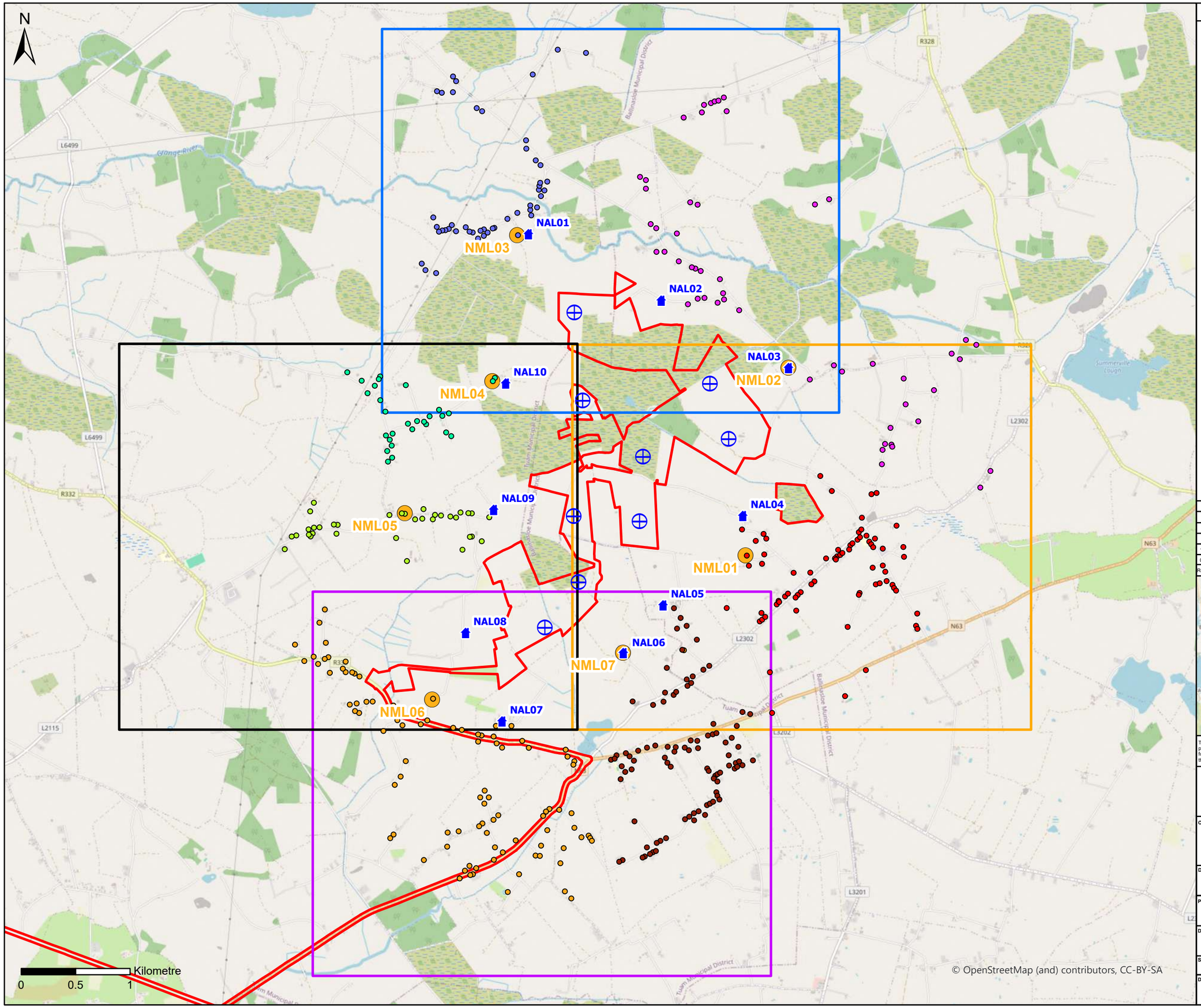
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Annex 1 – Figures



LEGEND

- EIAR Site Boundary
- NALs
- NMLs
- Cooloo Wind Farm

Figure Locations

- Figure A1-1c
- Figure A1-1d
- Figure A1-1e
- Figure A1-1f

Noise Sensitive Receptors (NSRs) Represented By:

- NML1
- NML2
- NML3
- NML4
- NML5
- NML6
- NML7

Rev.	Date	Amendment Details	Drawn	Approved
2	12/09/2025	FIGURE UPDATE	ST	JB
1	10/09/2025	UPDATED HOUSING LIST	FL	JB
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Client: MKO

Drawing Status: FOR INFORMATION

Project Title: COOLOO WIND FARM

Drawing Title: FIGURE A1.1A- NOISE MONITORING AND ASSESSMENT LOCATIONS

Scale:	Original Size:	Spatial Reference:
1:32,500	A3	IRENET95 Irish Transverse Mercator

Drawing Number: IE00050-008

N

NAL01
NML03
NAL02
NAL10
NML04
NML02
NAL03
NAL09
NML05
NAL04
NML01
NAL05
NAL08
NAL06
NML07
NML06
NAL07

0 1 2 Kilometre

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LEGEND

- EIAR Site Boundary
- NALs
- NMLs
- Cooloo Wind Farm

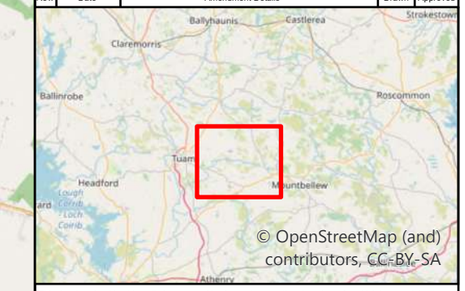
Cumulative windfarms

- Cloonlusk windfarm
- Clonberne windfarm

Noise Sensitive Receptors (NSRs) Represented By:

- NML1
- NML2
- NML3
- NML4
- NML5
- NML6
- NML7

Rev.	Date	Amendment Details	Drawn	Approved
2	12/09/2025	FIGURE EDITS	ST	JB
1	10/09/2025	UPDATED HOUSING LIST	FL	JB
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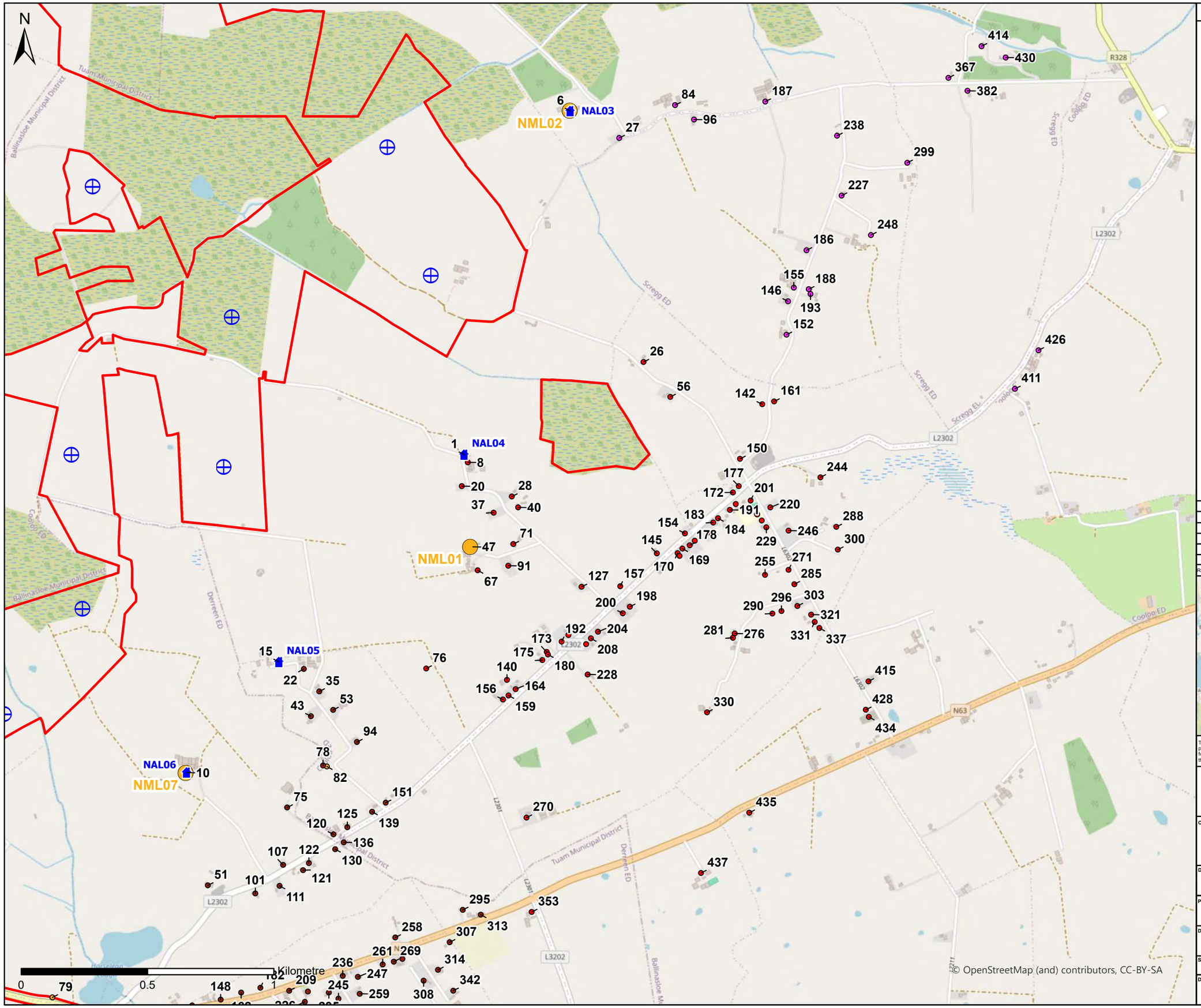
Drawing Status: FOR INFORMATION

Project Title: COOLOO WIND FARM

Drawing Title: FIGURE A1.1B - CUMULATIVE WIND FARM LOCATIONS

Scale:	Original Size:	Spatial Reference:
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Drawing Number: IE00050-008



LEGEND

- EIAR Site Boundary
- NMLs
- NALs
- Cooloo Wind Farm

Noise Sensitive Receptors (NSRs) Represented By:

- NML1
- NML2
- NML6
- NML7

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Drawing Status: FOR INFORMATION

Project Title: COOLOO WIND FARM

Drawing Title: FIGURE A1.1c- NOISE MONITORING AND ASSESSMENT LOCATIONS

Scale:	Original Size:	Spatial Reference:
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Drawing Number: IE00050-008

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NAL08 4
NAL06 10
NML07
NAL05 15
NML06 99
NAL07 31
NML1
NML6
NML7
L2302
L3202
N63
R332
L6161
L7207
L7208
L7209
Hillsbrook ED
Derreen ED
Cooloo ED
Tuam Municipal District
Ballinasloe Municipal District
Athenry-Oranmore Municipal District
Horseleap Lough
Kilometre
0
0.5
1
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LEGEND

- EIAR Site Boundary
- NMLs
- NALs
- Cooloo Wind Farm

Noise Sensitive Receptors (NSRs) Represented By:

- NML1
- NML6
- NML7

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Ballyhaunis, Castlerea, Strokestown, Claremorris, Ballinrobe, Roscommon, Tuam, Headford, Mountbellew, Athenry

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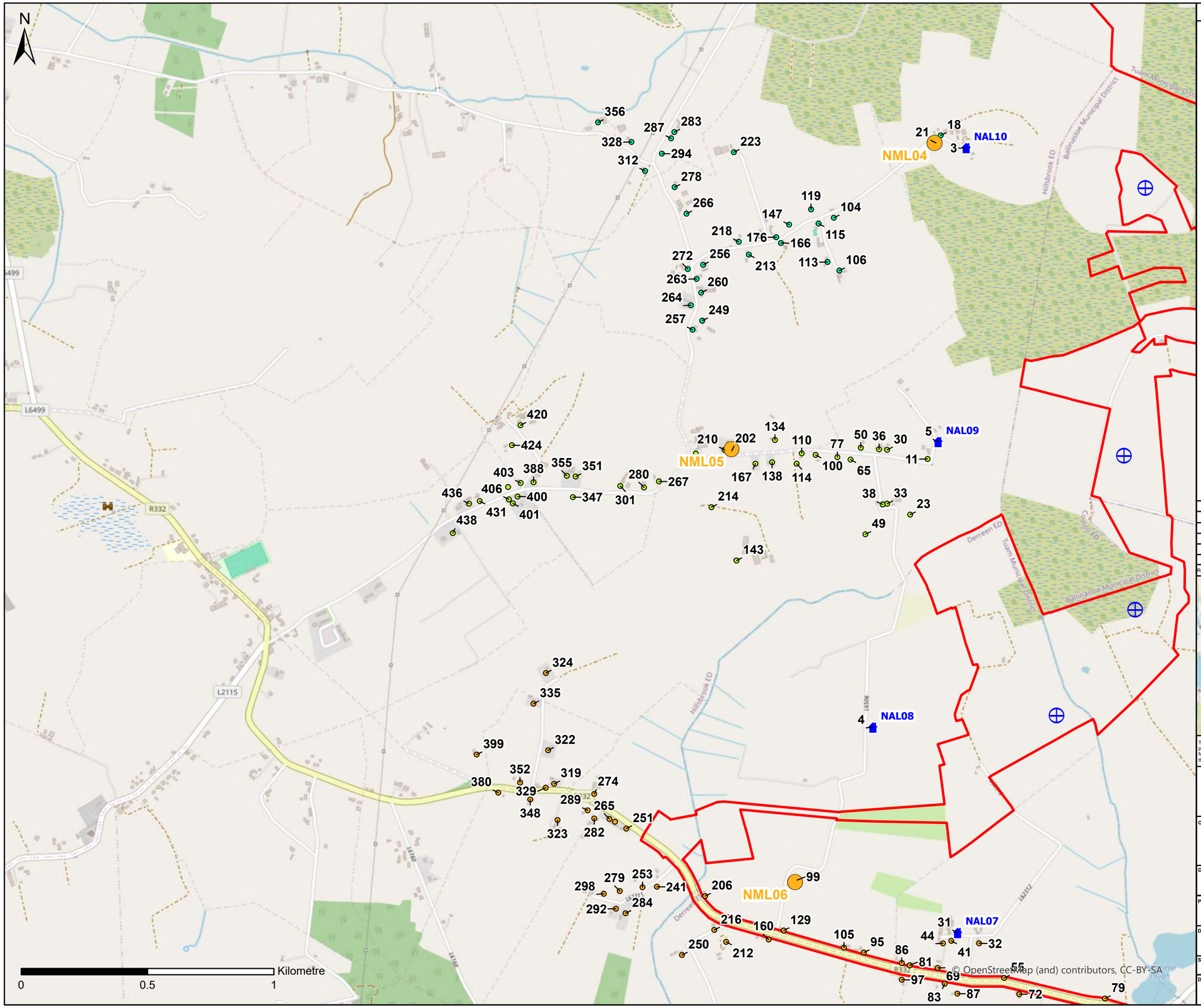
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Project Title: COOLOO WIND FARM

Drawing Title: FIGURE A1.1d- NOISE MONITORING AND ASSESSMENT LOCATIONS

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Project Title: COOLOO WIND FARM

Drawing Title: FIGURE A1.1e- NOISE MONITORING AND ASSESSMENT LOCATIONS

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N

LEGEND

- EIAR Site Boundary
- NMLs
- NALs
- Cooloo Wind Farm

Noise Sensitive Receptors (NSRs) Represented By:

- NML2
- NML3
- NML4

Rev.	Date	Amendment Details	Drawn	Approved
1	11/09/2025	UPDATED HOUSING LIST	FL	JB
0	14/07/2025	FIRST ISSUE	JCM	JB



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tnei

Client: MKO

Drawing Status: FOR INFORMATION

Project Title: COOLOO WIND FARM

Drawing Title: FIGURE A1.1f- NOISE MONITORING AND ASSESSMENT LOCATIONS

Scale:	Original Size:	Spatial Reference:
1:14,000	A3	IRENET95 Irish Transverse Mercator

Drawing Number: IE00050-008

0 0.5 1 Kilometre

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N

NAL01
NAL02
NAL03
NAL04
NAL05
NAL06
NAL07
NAL08
NAL09
NAL10
NML01
NML02
NML03
NML04
NML05
NML06
NML07
35
40
45
50

Kilometre
0 0.5 1

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LEGEND

- NALs
- Noise Monitoring Locations (NMLs)
- EIAR Site Boundary
- Cooloo Wind Farm

Cumulative

- Clonberne Wind Farm
- Cloonlusk Wind Farm

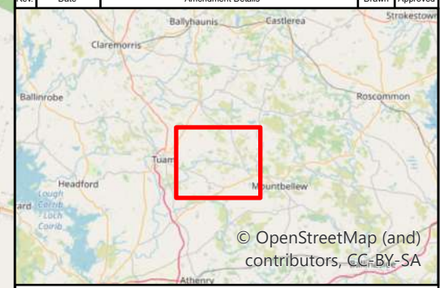
Predicted Wind Turbine Noise dB(A) based on GE-158 5.3MW Wind Turbine with Standard Blades (5 dB increments)

- 35 dB(A)
- 40 dB(A)
- 45 dB(A)
- 50 dB(A)
- 55 dB(A)

Noise Sensitive Receptors (NSRs) Represented By:

- NML1
- NML2
- NML3
- NML4
- NML5
- NML6
- NML7

Rev.	Date	Amendment Details	Drawn	Approved
1	17/09/2025	FIGURE EDITS	FL	JB
0	11/09/2025	OPERATIONAL NOISE REPORT ISSUE	FL	JB



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tnei

Client: MKO

Drawing Status: FOR INFORMATION

Project Title: COOLOO WIND FARM

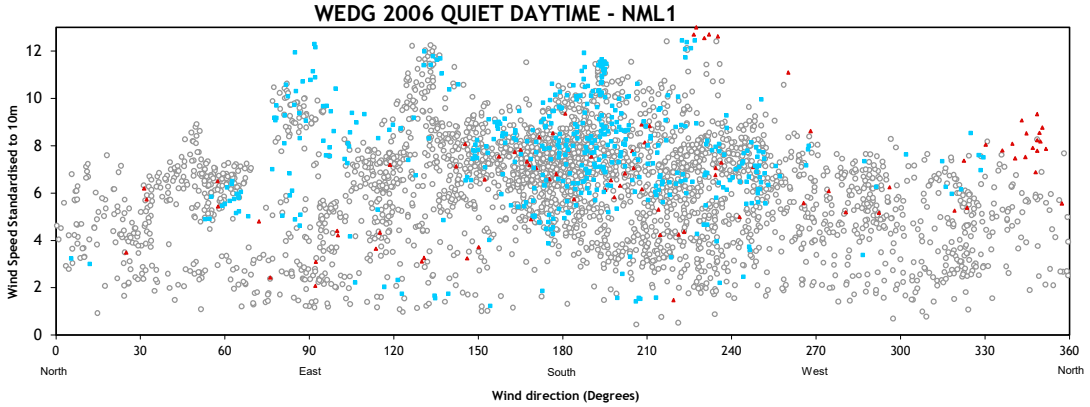
Drawing Title: FIGURE A1.1G - NOISE CONTOUR PLOT

Scale:	Original Size:	Spatial Reference:
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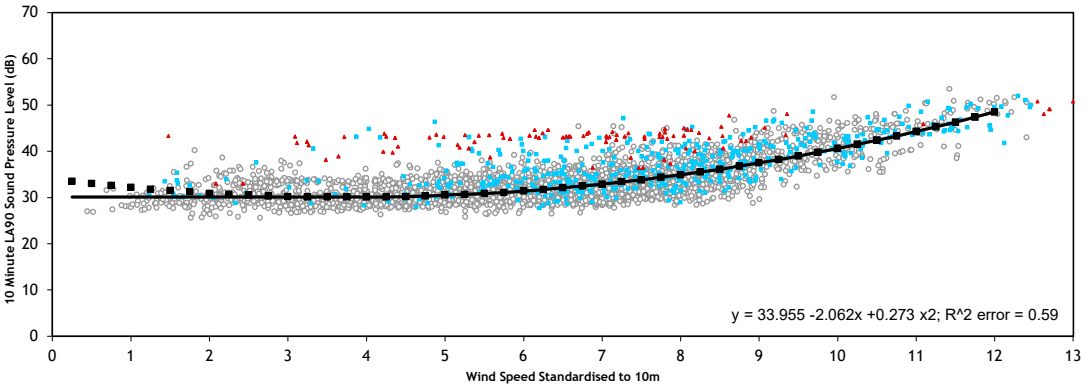
Drawing Number: IE00050-008

WEDG 2006 QUIET DAYTIME - NML1

Wind Conditions Quiet Daytime



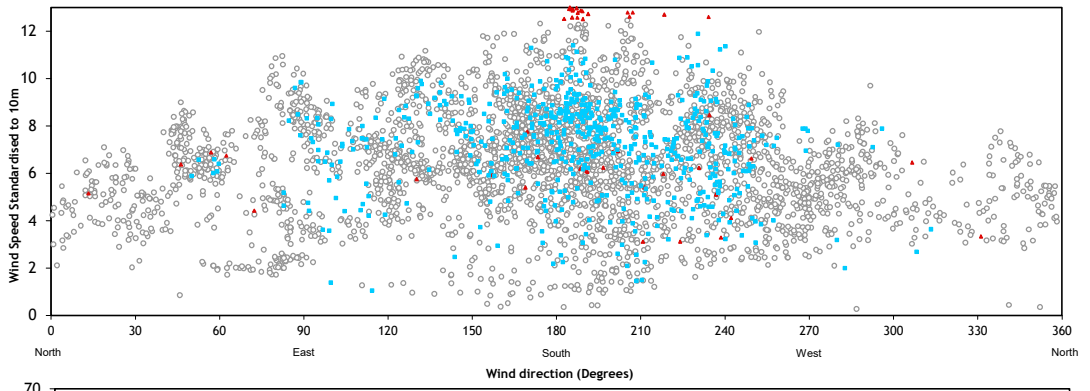
Regression Analysis Quiet Daytime



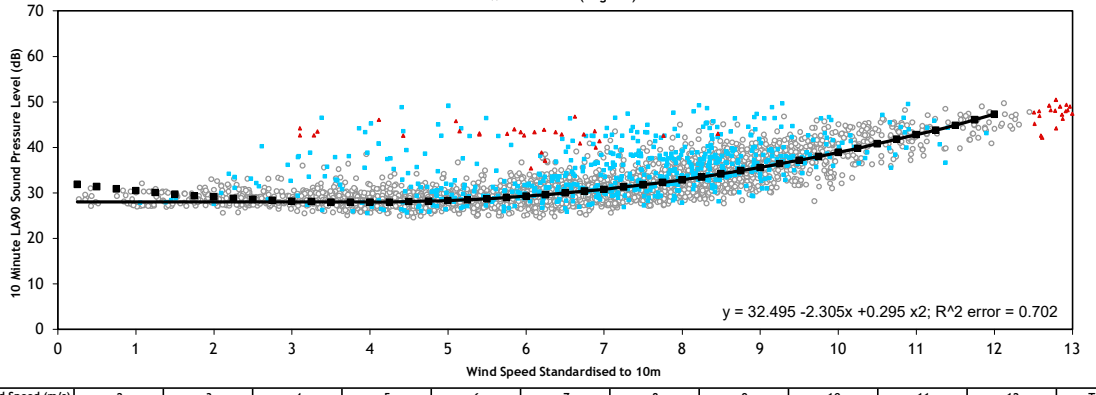
Wind Speed (m/s)	2	3	4	5	6	7	8	9	10	11	12	Total
Number of data points	144	224	275	385	489	710	514	212	123	54	21	3151
Prevailing Background	30.1	30.1	30.1	30.5	31.4	32.9	34.9	37.5	40.6	44.3	48.5	

WEDG 2006 NIGHT-TIME - NML1

Wind Conditions Night-Time



Regression Analysis Night-Time



Wind Speed (m/s)	2	3	4	5	6	7	8	9	10	11	12	Total
Number of data points	122	162	305	441	597	587	507	340	170	70	38	3339
Prevailing Background	28	28	28	28.3	29.3	30.8	32.9	35.6	38.9	42.8	47.3	

Legend:

- L_{A90} 10 Minute Measurement Point
- Line of best fit
- Line of best fit flat lined where appropriate(Prevailing Background)
- Excluded Data-Manual exclusion
- Excluded Data-Rain

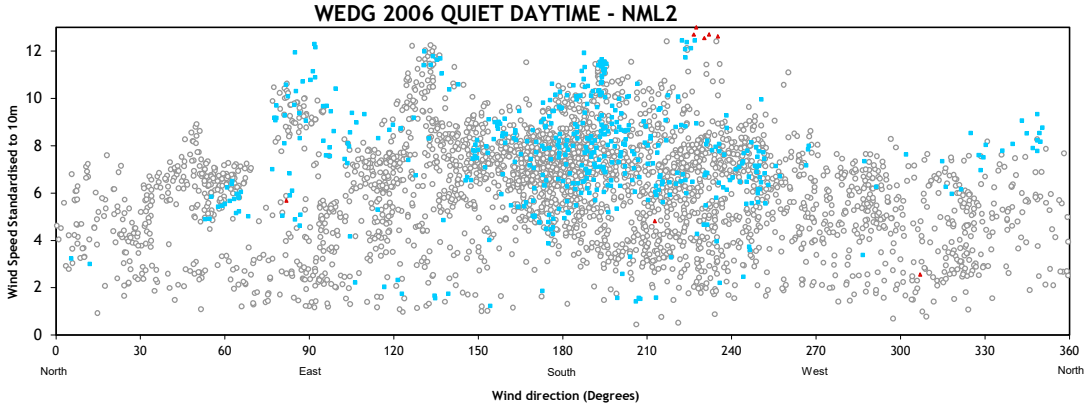
Project	Cooloo Wind Farm
Client	Neoen
Title	Wind Conditions&Regression Analysis NML1
Figure Number	A1.2a
Drawn	CB
Checked	JB
Date	10/07/2025
Document Reference	IE00015 - Cooloo Wind Farm

NEOEN

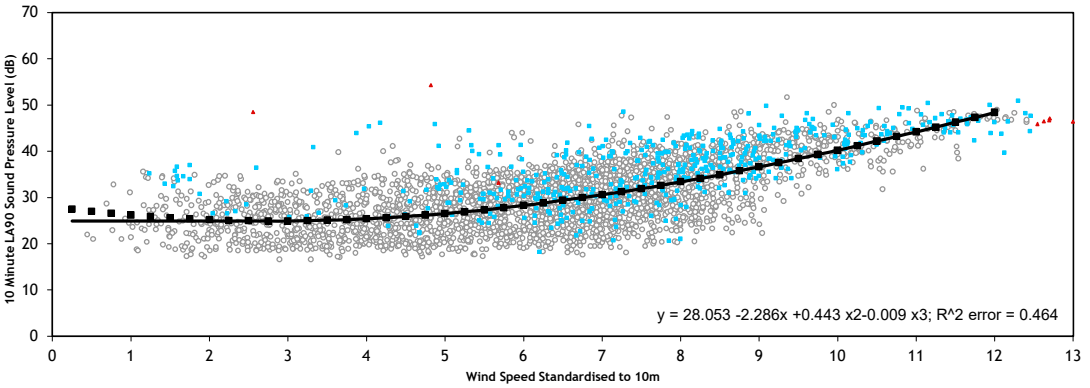
tnei

WEDG 2006 QUIET DAYTIME - NML2

Wind Conditions Quiet Daytime



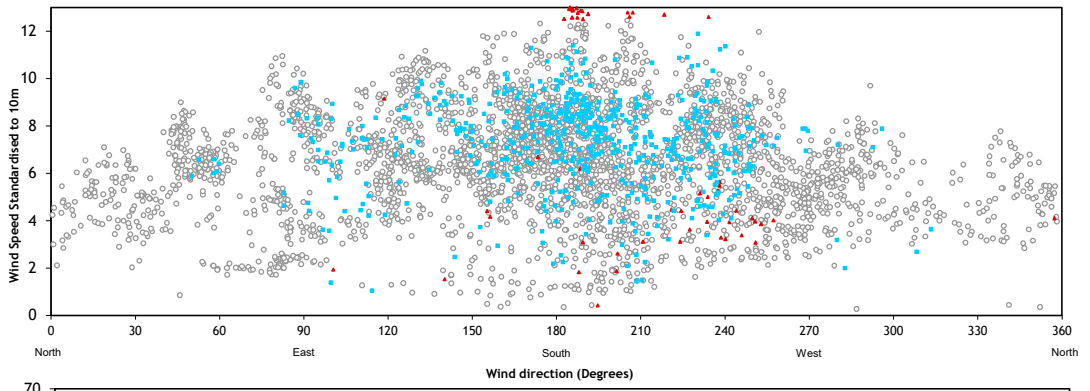
Regression Analysis Quiet Daytime



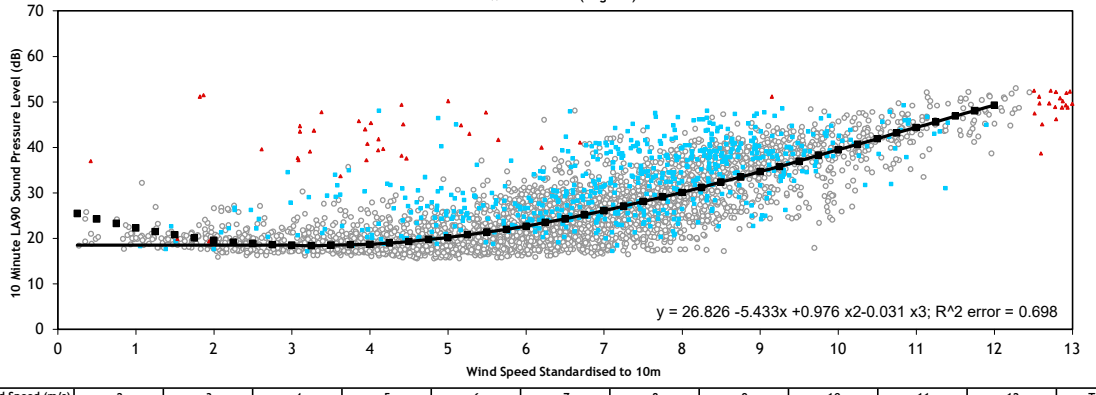
Wind Speed (m/s)	2	3	4	5	6	7	8	9	10	11	12	Total
Number of data points	146	228	283	392	498	725	524	217	123	55	21	3212
Prevailing Background	24.9	24.9	25.4	26.5	28.3	30.6	33.4	36.6	40.2	44.2	48.4	

WEDG 2006 NIGHT-TIME - NML2

Wind Conditions Night-Time



Regression Analysis Night-Time



Wind Speed (m/s)	2	3	4	5	6	7	8	9	10	11	12	Total
Number of data points	123	163	301	443	606	590	509	340	170	70	38	3353
Prevailing Background	18.5	18.5	18.7	20.2	22.7	26.1	30.1	34.7	39.5	44.4	49.3	

Legend:

- L_{A90} 10 Minute Measurement Point
- Line of best fit
- Line of best fit flat lined where appropriate(Prevailing Background)
- Excluded Data-Manual exclusion
- Excluded Data-Rain

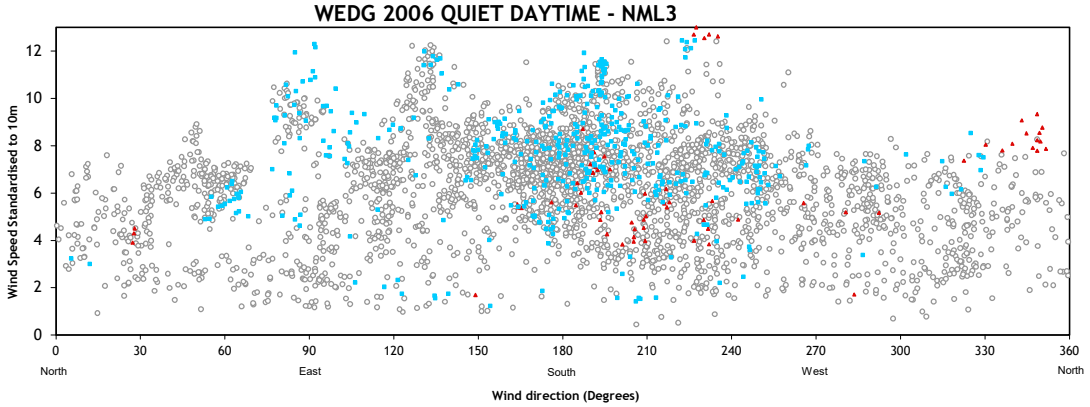
Project	Cooloo Wind Farm
Client	Neoen
Title	Wind Conditions&Regression Analysis NML2
Figure Number	A1.2b
Drawn	CB
Checked	JB
Date	10/07/2025
Document Reference	IE00015 - Cooloo Wind Farm

NEOEN

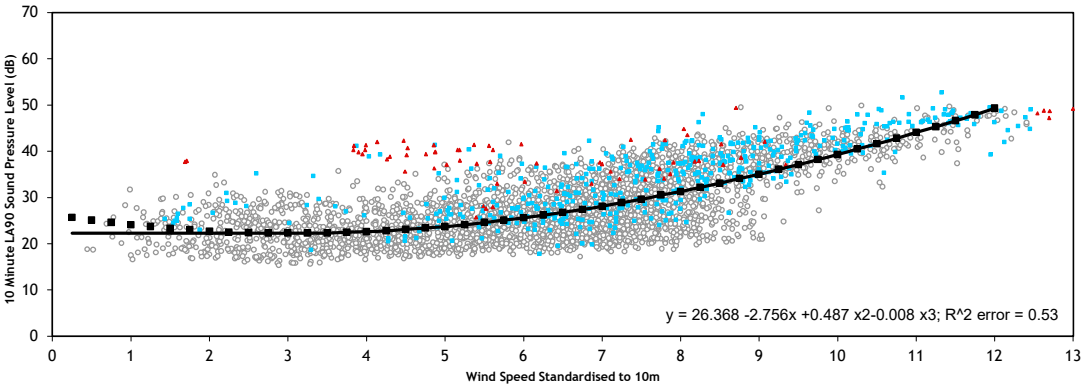
tnei

WEDG 2006 QUIET DAYTIME - NML3

Wind Conditions Quiet Daytime



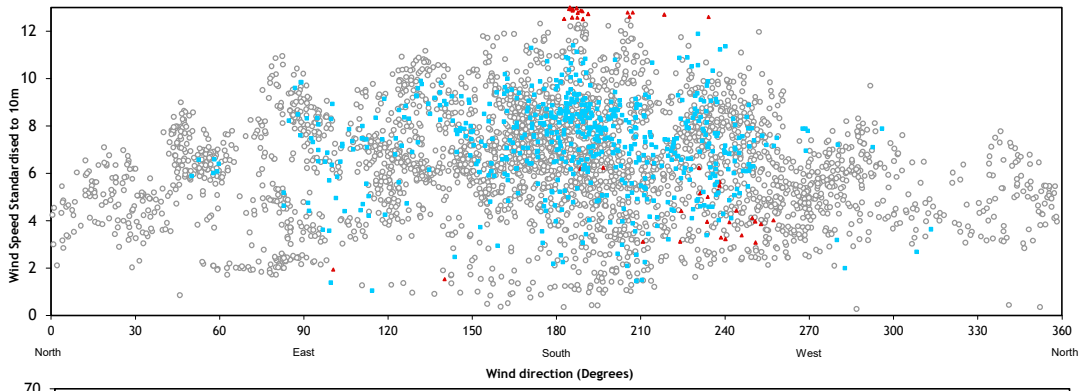
Regression Analysis Quiet Daytime



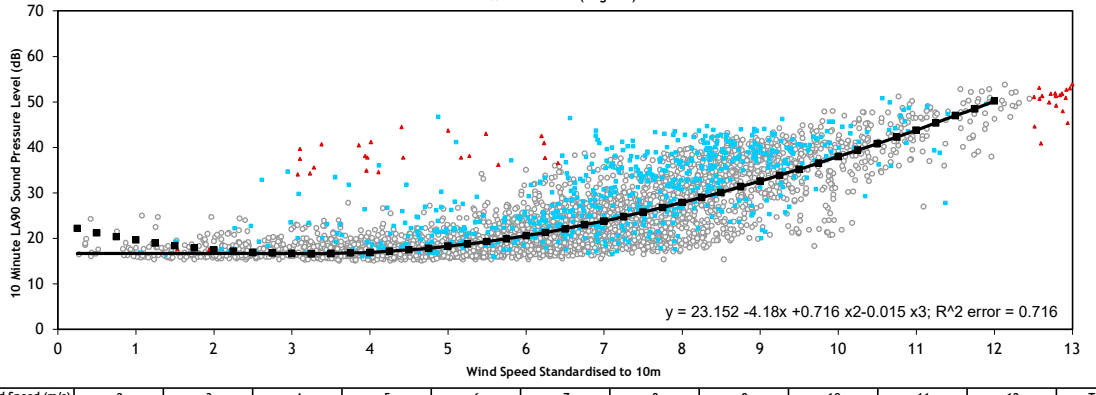
Wind Speed (m/s)	2	3	4	5	6	7	8	9	10	11	12	Total
Number of data points	144	229	272	379	491	720	523	216	123	55	21	3173
Prevailing Background	22.3	22.3	22.6	23.7	25.6	28.1	31.3	35	39.3	44.1	49.3	

WEDG 2006 NIGHT-TIME - NML3

Wind Conditions Night-Time



Regression Analysis Night-Time



Wind Speed (m/s)	2	3	4	5	6	7	8	9	10	11	12	Total
Number of data points	125	163	305	443	603	590	509	340	170	70	38	3356
Prevailing Background	16.7	16.7	16.9	18.3	20.6	23.8	27.9	32.6	38	43.8	50.2	

Legend:

- L_{A90} 10 Minute Measurement Point
- Line of best fit
- Line of best fit flat lined where appropriate(Prevailing Background)
- Excluded Data-Manual exclusion
- Excluded Data-Rain

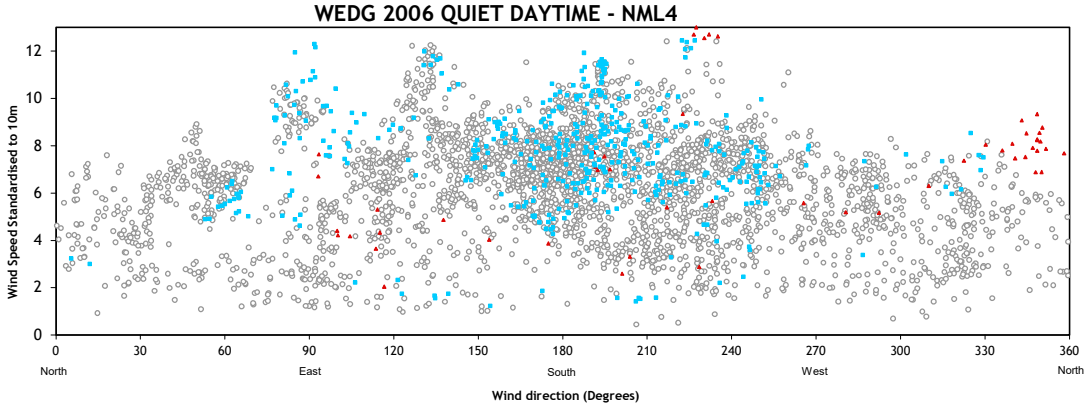
Project	Cooloo Wind Farm
Client	Neoen
Title	Wind Conditions&Regression Analysis NML3
Figure Number	A1.2c
Drawn	CB
Checked	JB
Date	30/06/2025
Document Reference	IE00015 - Cooloo Wind Farm

NEOEN

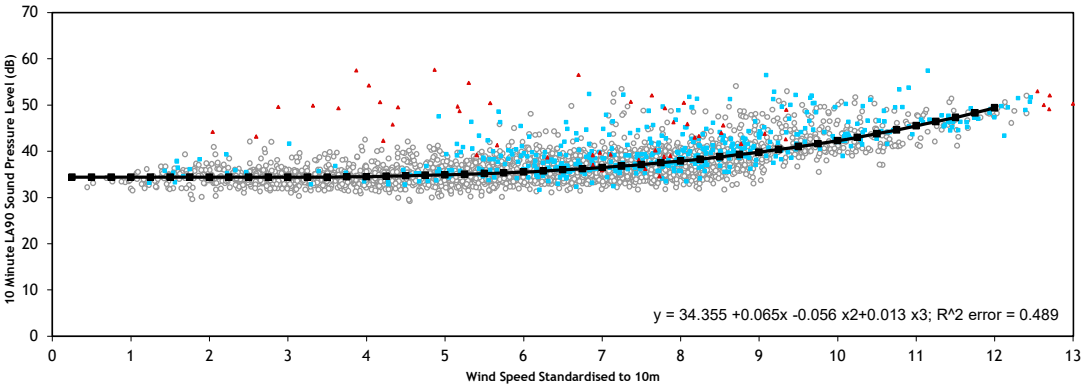
tnei

WEDG 2006 QUIET DAYTIME - NML4

Wind Conditions Quiet Daytime



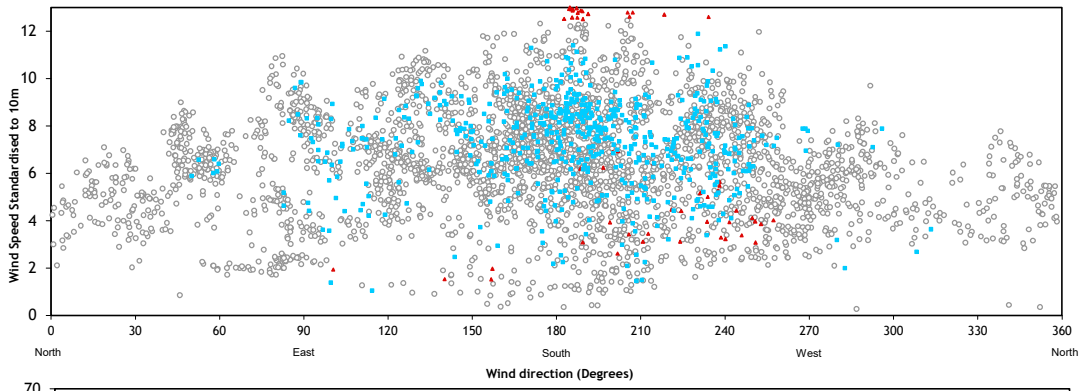
Regression Analysis Quiet Daytime



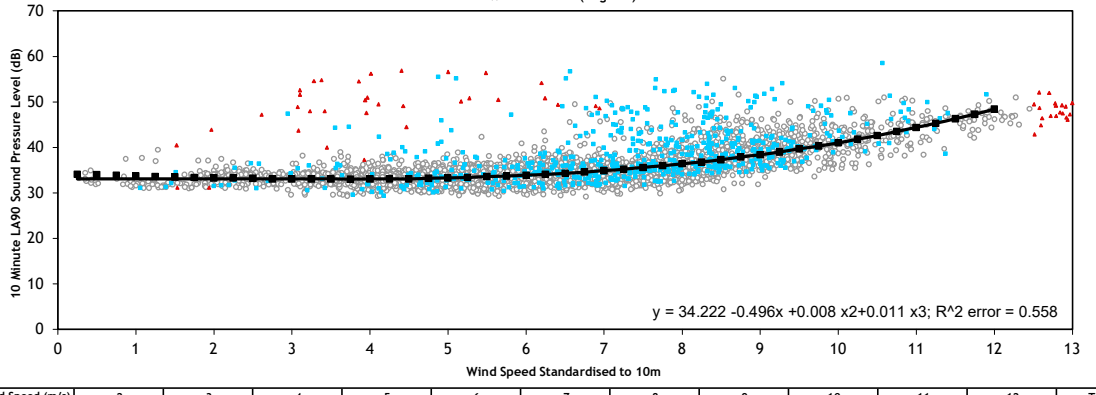
Wind Speed (m/s)	2	3	4	5	6	7	8	9	10	11	12	Total
Number of data points	146	228	279	390	496	718	519	216	123	55	21	3191
Prevailing Background	34.4	34.4	34.5	34.9	35.5	36.5	37.9	39.8	42.3	45.5	49.4	

WEDG 2006 NIGHT-TIME - NML4

Wind Conditions Night-Time



Regression Analysis Night-Time



Wind Speed (m/s)	2	3	4	5	6	7	8	9	10	11	12	Total
Number of data points	123	162	305	443	604	590	509	340	170	70	38	3354
Prevailing Background	33.1	33.1	33.1	33.3	33.9	34.9	36.4	38.4	41	44.4	48.4	

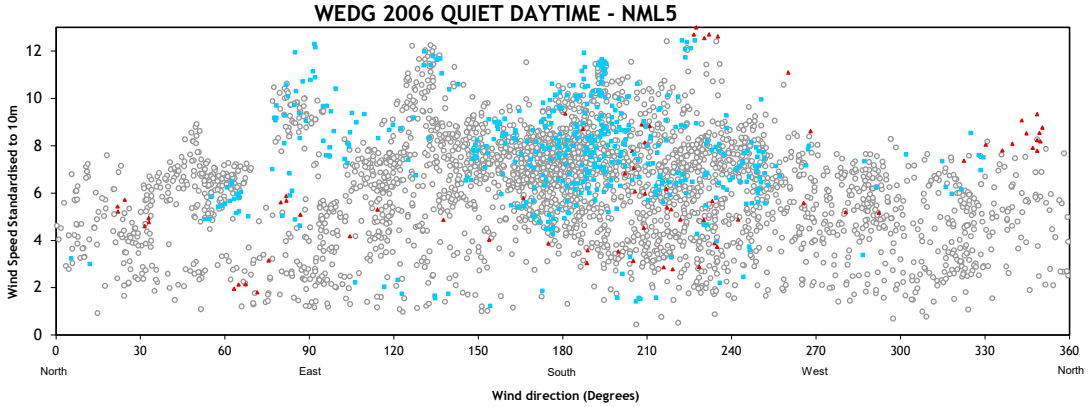
Legend:

- L_{A90} 10 Minute Measurement Point
- Line of best fit
- Line of best fit flat lined where appropriate(Prevailing Background)
- Excluded Data-Manual exclusion
- Excluded Data-Rain

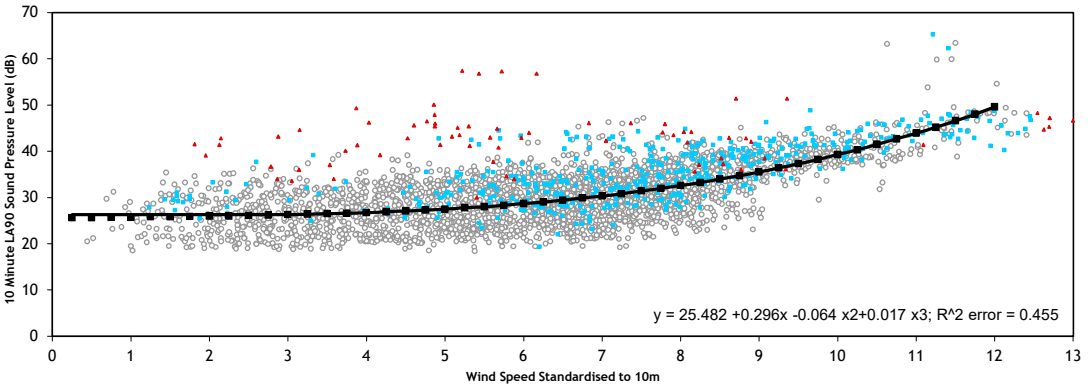
Project	Cooloo
Client	Neoen
Title	Wind Conditions&Regression Analysis NML4
Figure Number	A1.2d
Drawn	CB
Checked	JB
Date	30/06/2025
Document Reference	IE00015 - Cooloo Wind Farm

WEDG 2006 QUIET DAYTIME - NML5

Wind Conditions Quiet Daytime



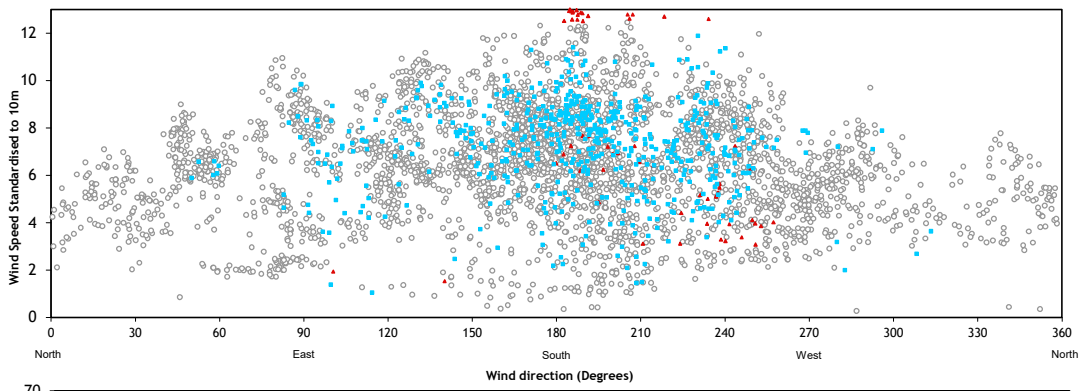
Regression Analysis Quiet Daytime



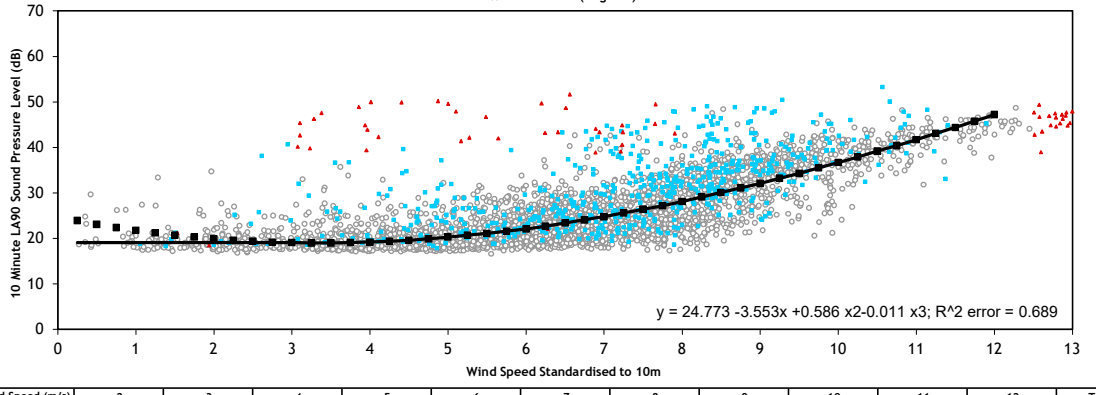
Wind Speed (m/s)	2	3	4	5	6	7	8	9	10	11	12	Total
Number of data points	142	223	279	380	490	724	524	212	123	54	21	3172
Prevailing Background	26.3	26.3	26.7	27.5	28.7	30.3	32.6	35.5	39.3	43.9	49.6	

WEDG 2006 NIGHT-TIME - NML5

Wind Conditions Night-Time



Regression Analysis Night-Time



Wind Speed (m/s)	2	3	4	5	6	7	8	9	10	11	12	Total
Number of data points	125	163	305	443	604	588	508	340	170	70	38	3354
Prevailing Background	19.1	19.1	19.2	20.3	22.1	24.8	28.1	32.1	36.7	41.7	47.2	

Legend:

- L_{A90} 10 Minute Measurement Point
- Line of best fit
- Line of best fit flat lined where appropriate(Prevailing Background)
- Excluded Data-Manual exclusion
- Excluded Data-Rain

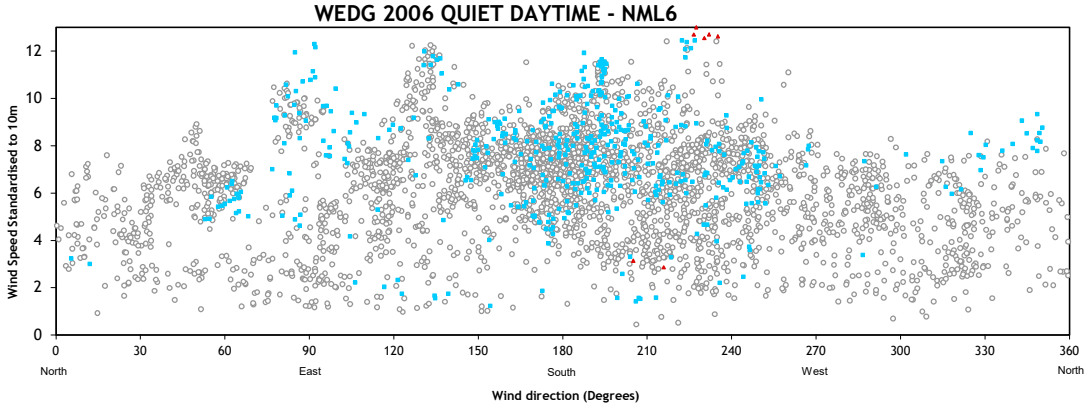
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Client	Neoen
Title	Wind Conditions&Regression Analysis NML5
Figure Number	A1.2e
Drawn	CB
Checked	JB
Date	10/07/2025
Document Reference	IE00015 - Cooloo Wind Farm

NEOEN

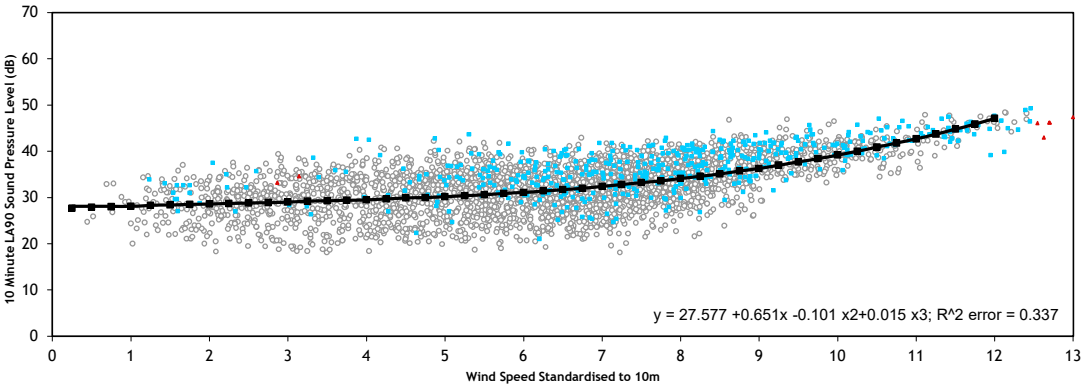
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WEDG 2006 QUIET DAYTIME - NML6

Wind Conditions Quiet Daytime



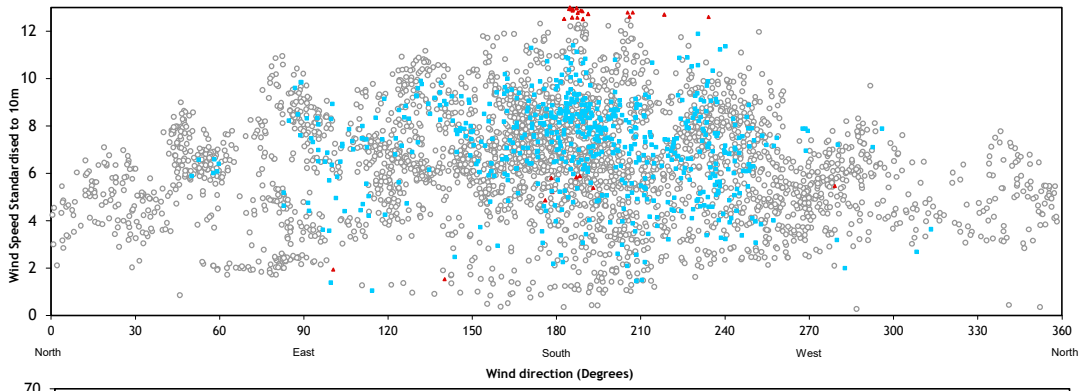
Regression Analysis Quiet Daytime



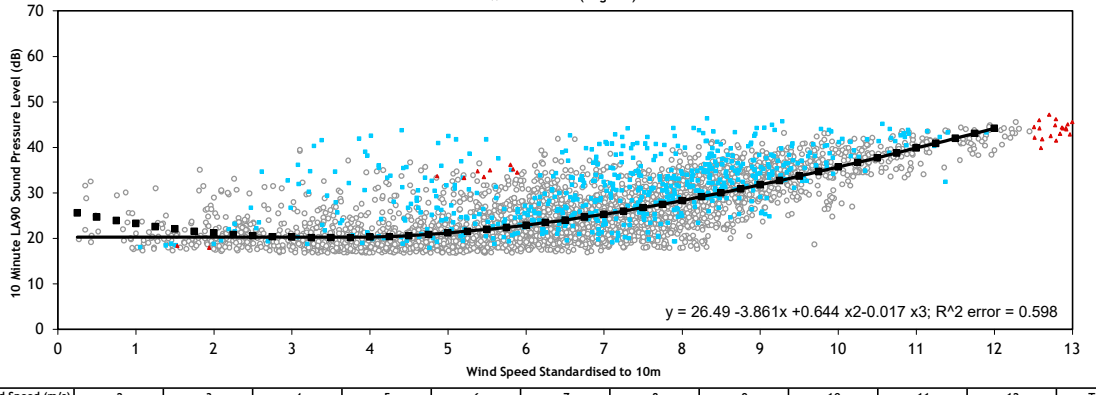
Wind Speed (m/s)	2	3	4	5	6	7	8	9	10	11	12	Total
Number of data points	146	227	283	393	499	725	524	217	123	55	21	3213
Prevailing Background	28.6	29	29.5	30.2	31.1	32.4	34.1	36.3	39.2	42.7	47.1	

WEDG 2006 NIGHT-TIME - NML6

Wind Conditions Night-Time



Regression Analysis Night-Time



Wind Speed (m/s)	2	3	4	5	6	7	8	9	10	11	12	Total
Number of data points	125	165	306	441	603	590	509	340	170	70	38	3357
Prevailing Background	20.3	20.3	20.3	21.2	22.9	25.3	28.3	31.8	35.7	39.9	44.2	

Legend:

- L_{A90} 10 Minute Measurement Point
- Line of best fit
- Line of best fit flat lined where appropriate(Prevailing Background)
- Excluded Data-Manual exclusion
- Excluded Data-Rain

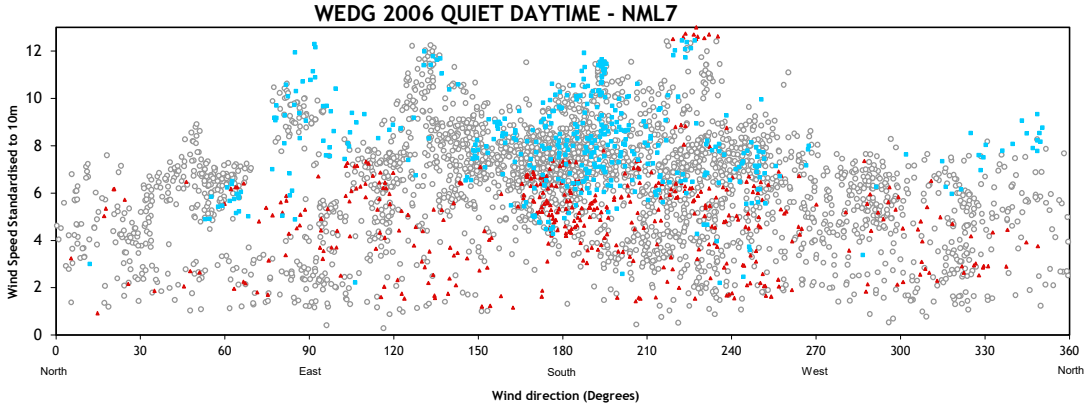
Project	Cooloo Wind Farm
Client	Neoen
Title	Wind Conditions&Regression Analysis NML6
Figure Number	A1.2f
Drawn	CB
Checked	JB
Date	10/07/2025
Document Reference	IE00015 - Cooloo Wind Farm

NEOEN

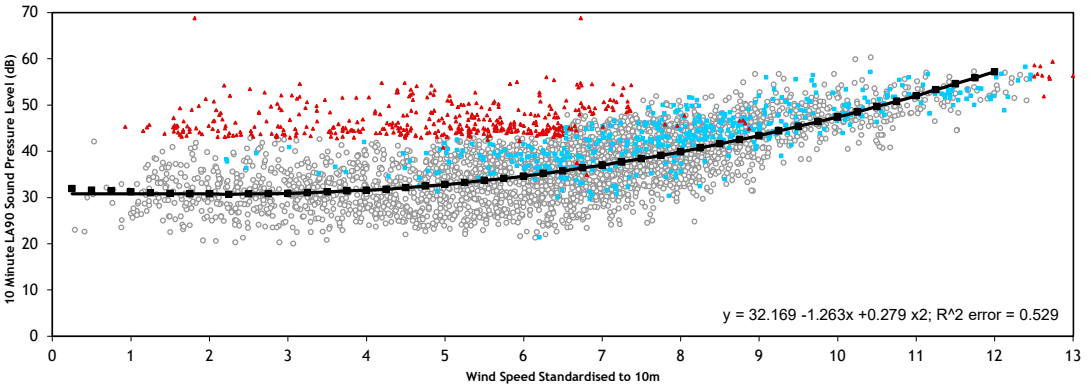
tnei

WEDG 2006 QUIET DAYTIME - NML7

Wind Conditions Quiet Daytime



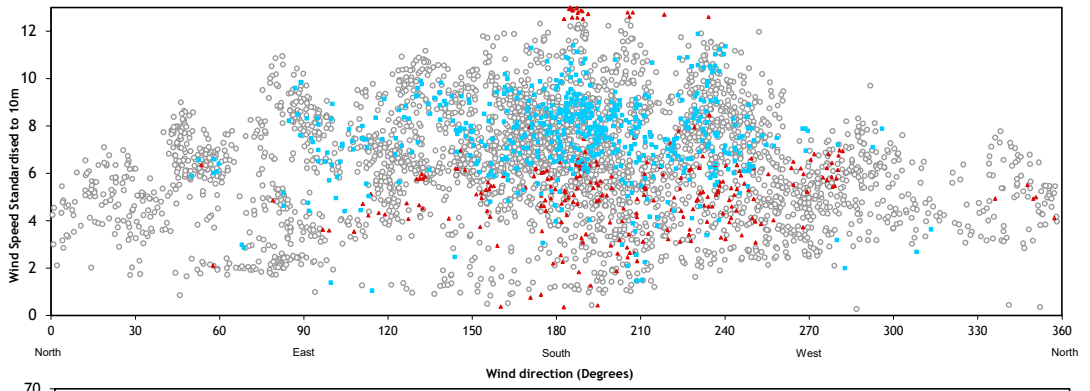
Regression Analysis Quiet Daytime



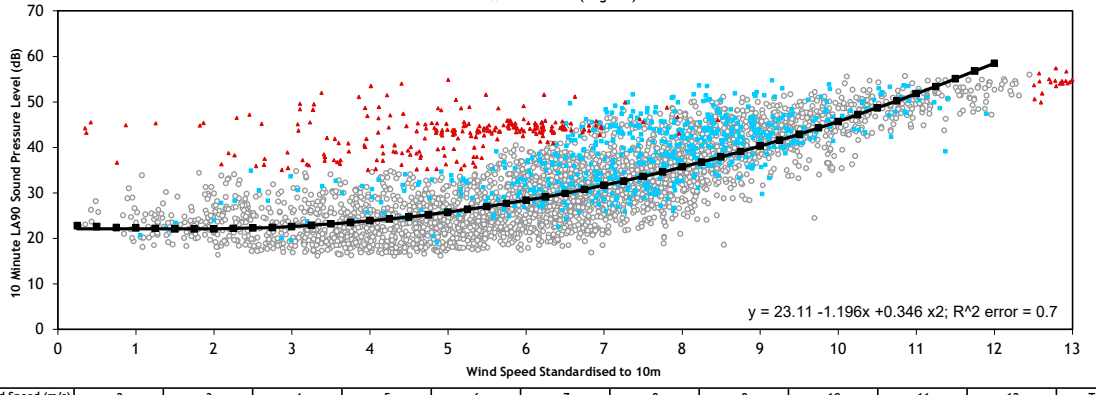
Wind Speed (m/s)	2	3	4	5	6	7	8	9	10	11	12	Total
Number of data points	141	193	232	318	431	709	532	229	133	70	25	3013
Prevailing Background	30.8	30.9	31.6	32.8	34.6	37	39.9	43.4	47.4	52	57.2	

WEDG 2006 NIGHT-TIME - NML7

Wind Conditions Night-Time



Regression Analysis Night-Time



Wind Speed (m/s)	2	3	4	5	6	7	8	9	10	11	12	Total
Number of data points	140	175	301	427	572	589	519	354	193	86	42	3398
Prevailing Background	22.1	22.6	23.9	25.8	28.4	31.7	35.7	40.3	45.7	51.8	58.5	

Legend:

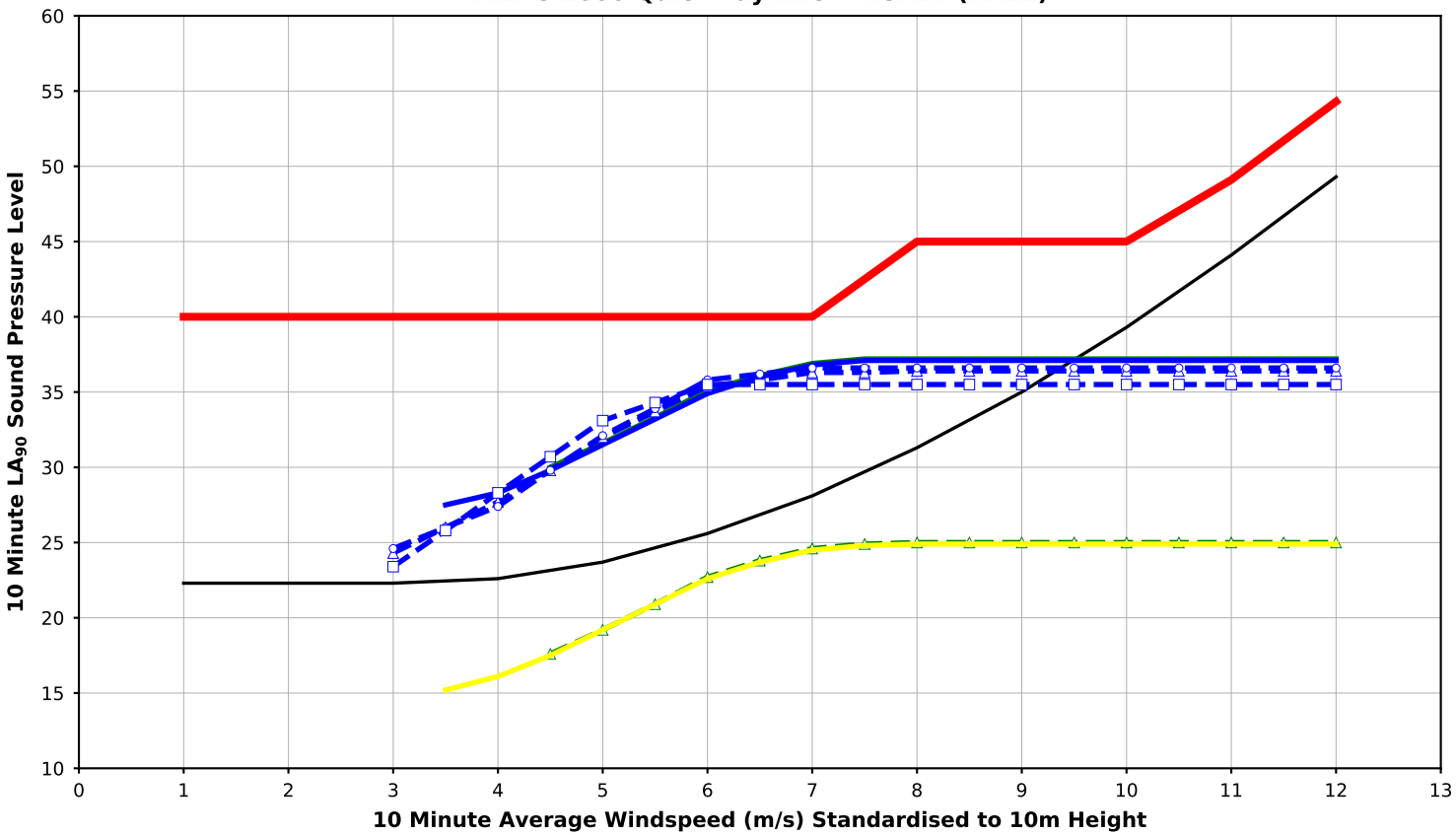
- L_{A90} 10 Minute Measurement Point
- Line of best fit
- Line of best fit flat lined where appropriate(Prevailing Background)
- Excluded Data-Manual exclusion
- Excluded Data-Rain

Project	Cooloo Wind Farm
Client	Neoen
Title	Wind Conditions&Regression Analysis NML7
Figure Number	A1.2g
Drawn	CB
Checked	JB
Date	10/07/2025
Document Reference	IE00015 - Cooloo Wind Farm

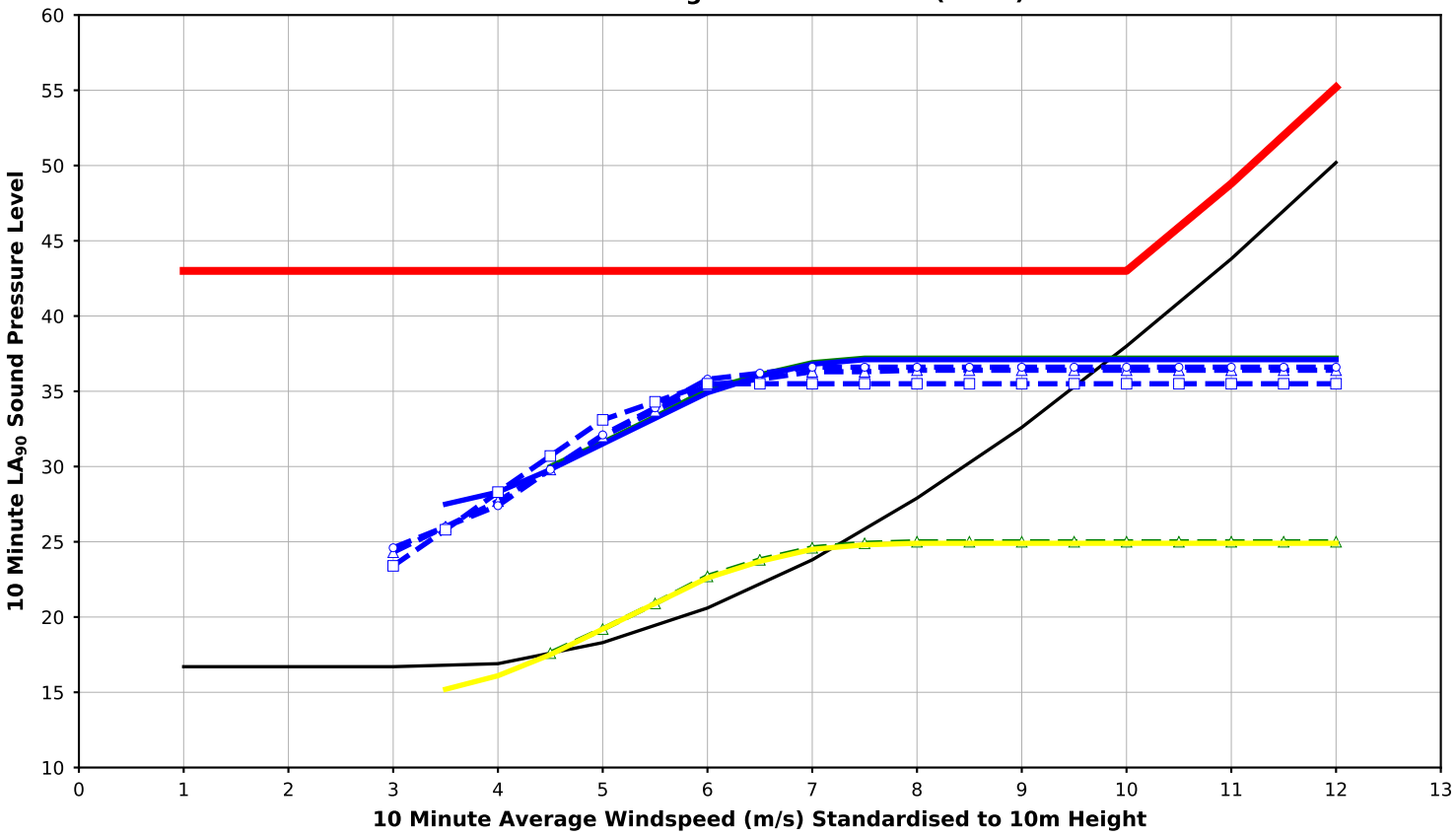
NEOEN

tnei

WEDG 2006 Quiet Daytime - NSR17 (NAL1)



WEDG 2006 Night Time - NSR17 (NAL1)

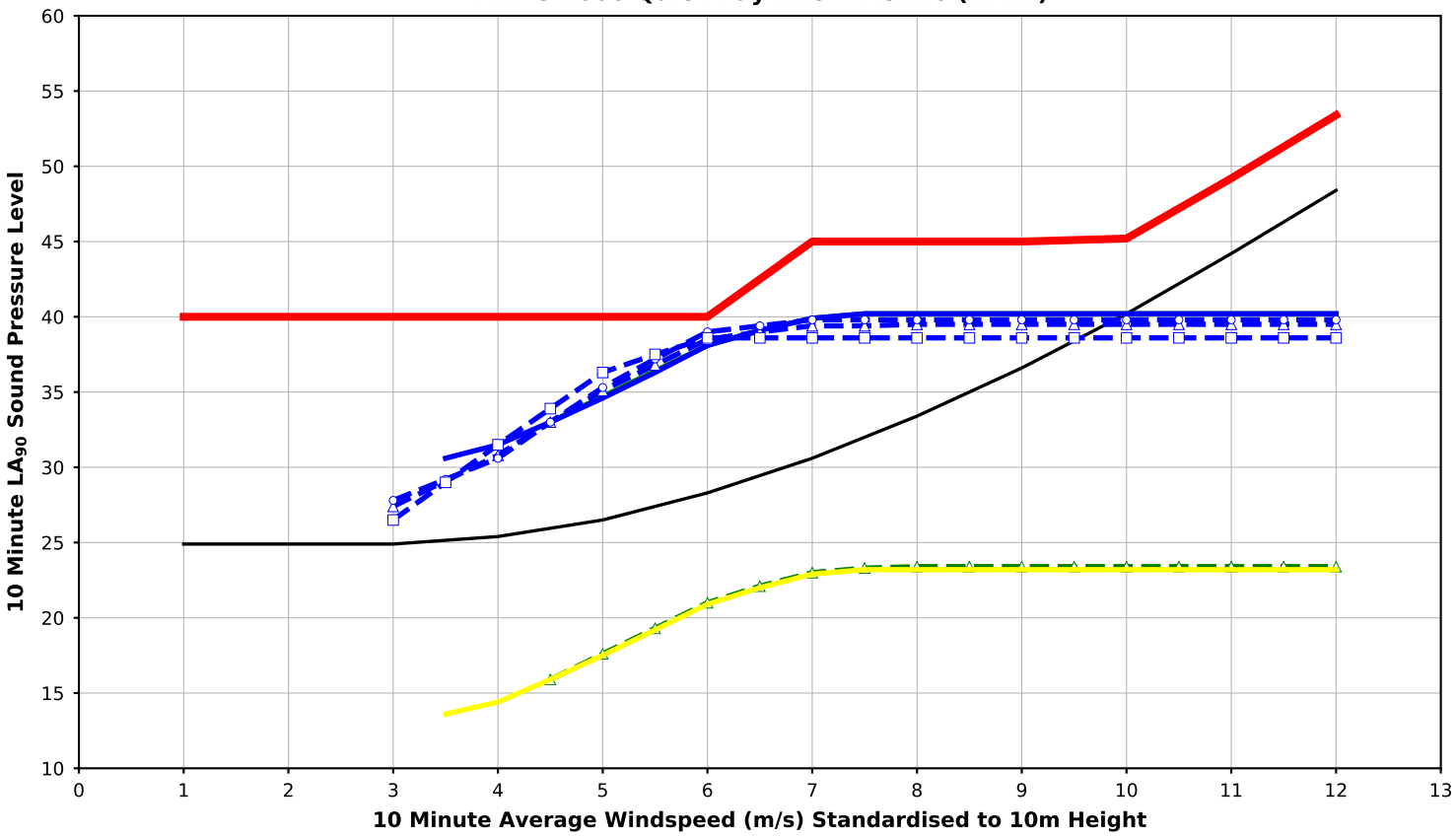


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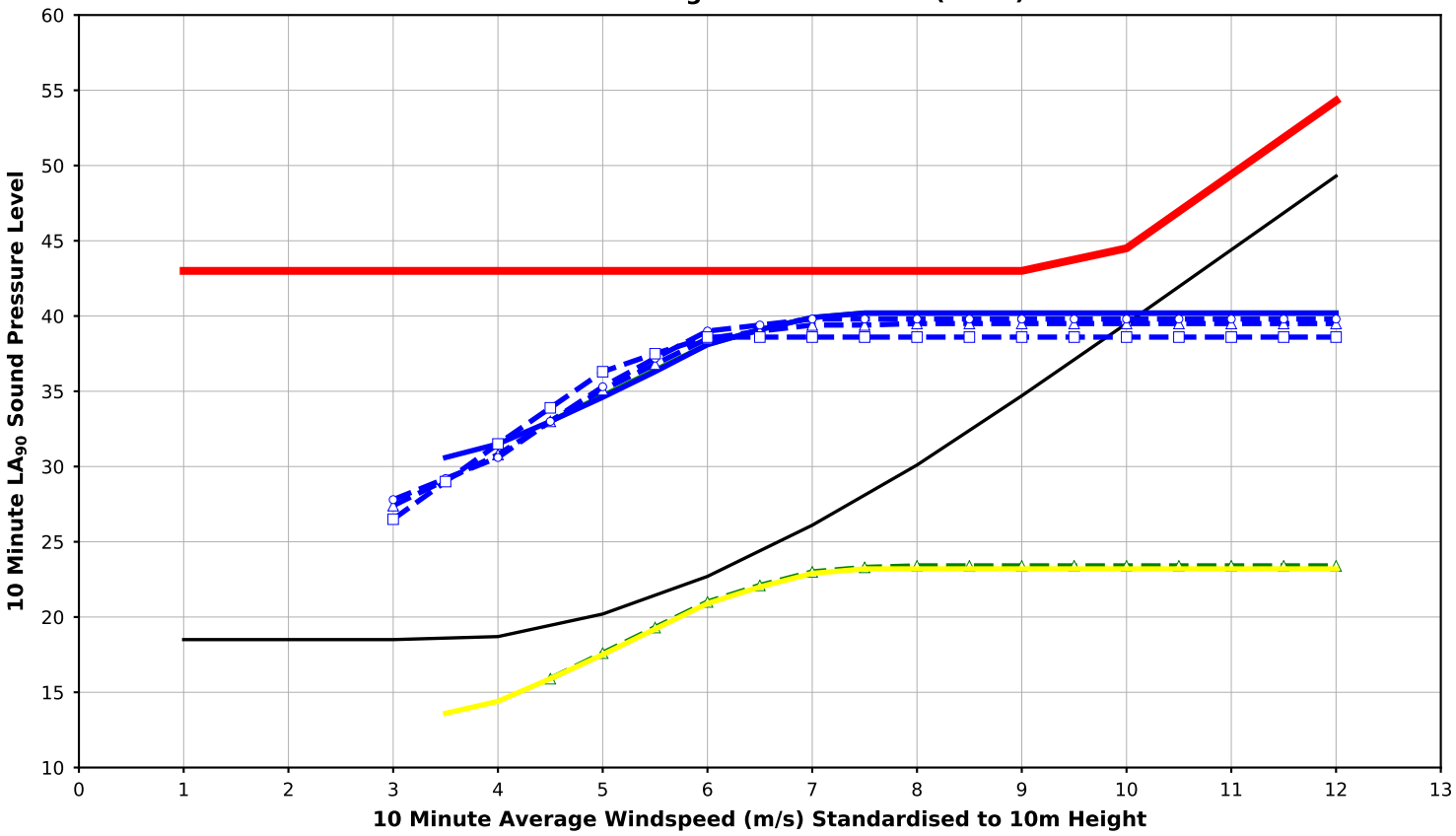
- Background Noise Levels
- WEDG 2006 Derived Noise Limits
- Cumulative (including the Proposed Development)
- Cumulative (excluding the Proposed Development)
- Proposed Development - V162
- Proposed Development - V150
- Proposed Development - GE158
- Proposed Development - SG155
- Cloonlusk
- Clonberne

Project:	Cooloo Wind Farm
Client:	MKO (The Client)
Title:	Likely Noise Predictions
Figure Number:	A1.3a
Scale:	NA
Drawn	JB
Checked:	JM
Date:	11/07/2025
Document Reference:	IE15-002

WEDG 2006 Quiet Daytime - NSR16 (NAL2)



WEDG 2006 Night Time - NSR16 (NAL2)

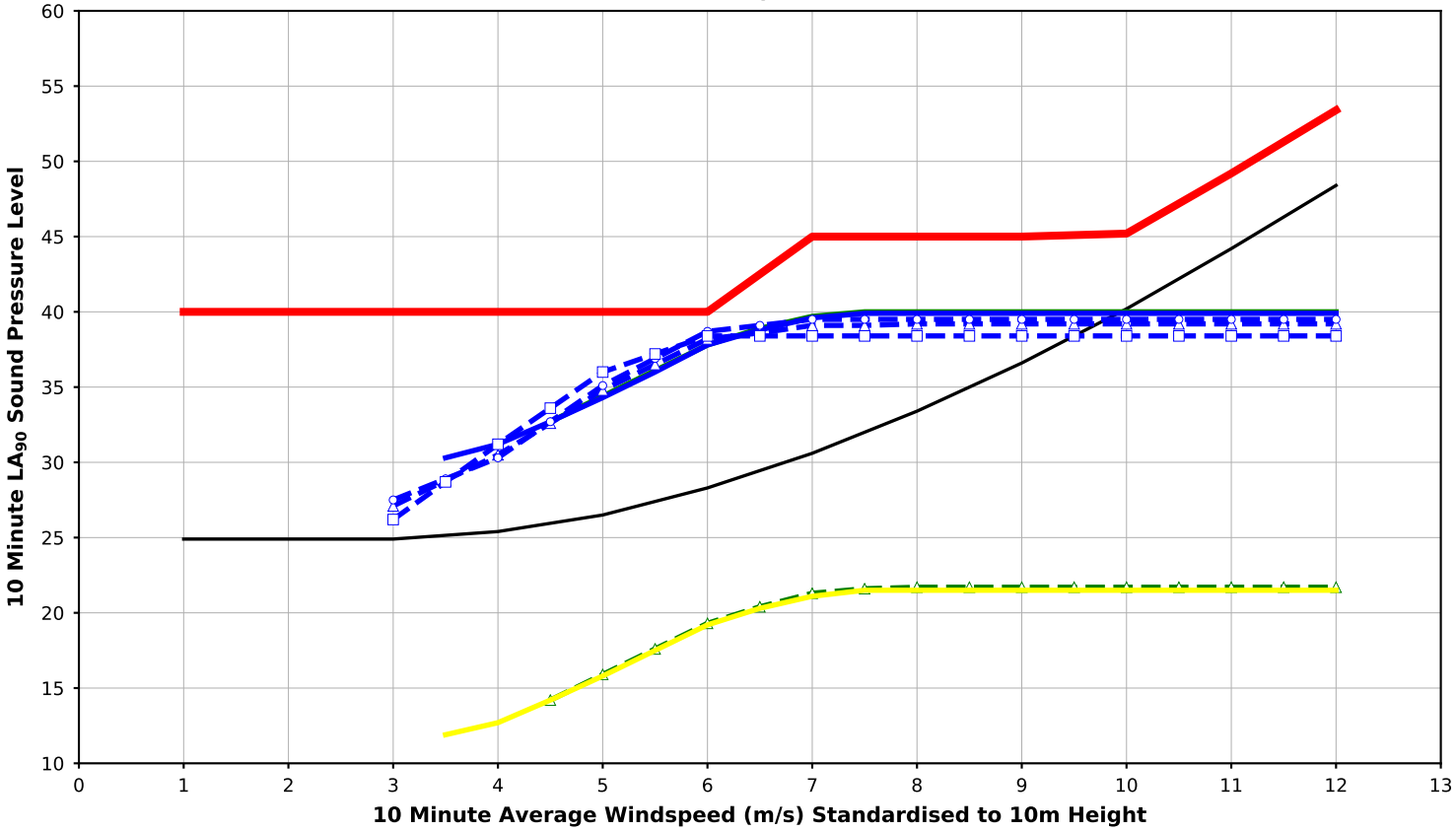


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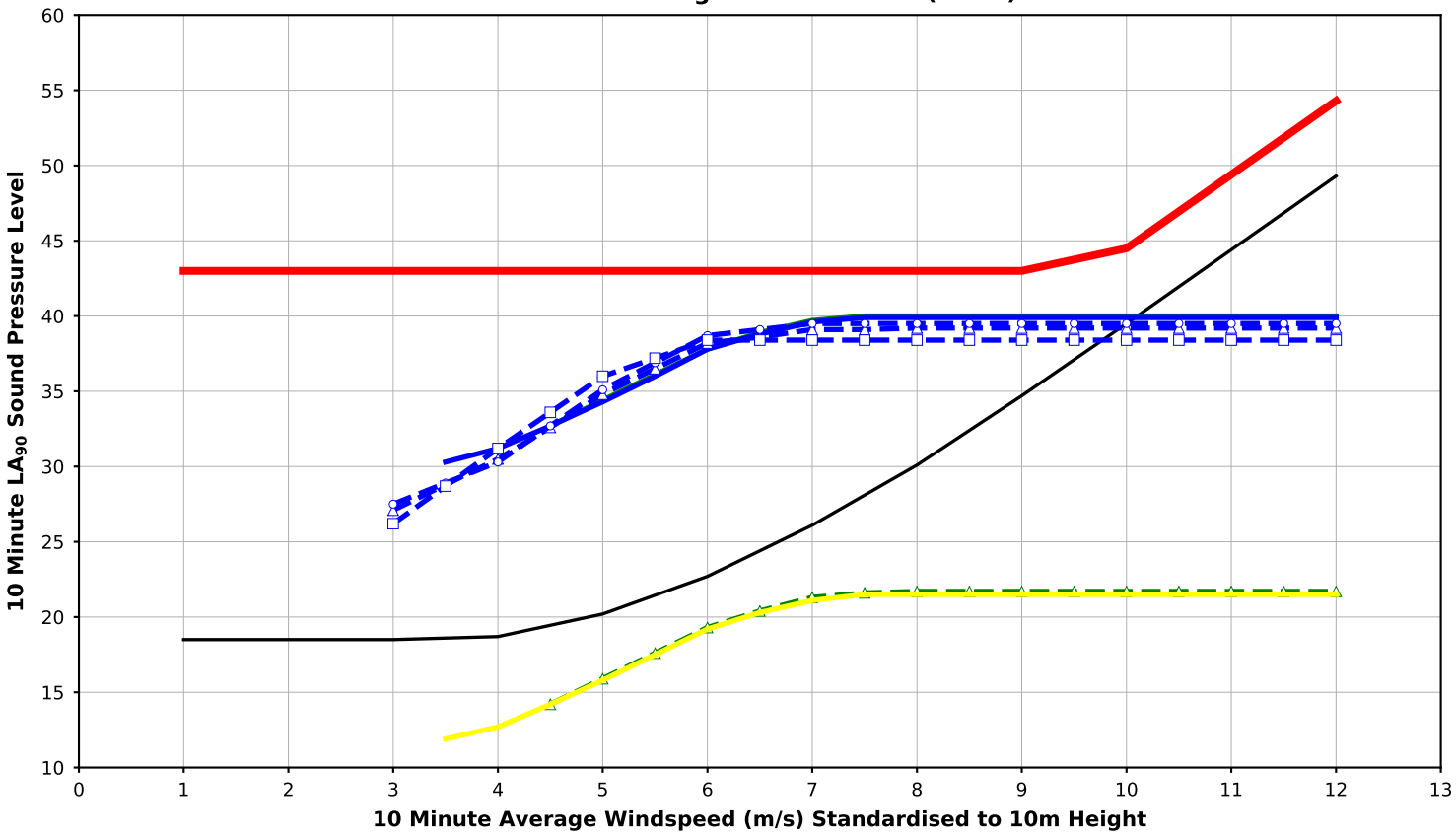
- Background Noise Levels
- WEDG 2006 Derived Noise Limits
- Cumulative (including the Proposed Development)
- Cumulative (excluding the Proposed Development)
- Proposed Development - V162
- Proposed Development - V150
- Proposed Development - GE158
- Proposed Development - SG155
- Cloonlusk
- Clonberne

Project:	Cooloo Wind Farm
Client:	MKO (The Client)
Title:	Likely Noise Predictions
Figure Number:	A1.3b
Scale:	NA
Drawn	JB
Checked:	JM
Date:	11/07/2025
Document Reference:	IE15-002

WEDG 2006 Quiet Daytime - NSR6 (NAL3)



WEDG 2006 Night Time - NSR6 (NAL3)

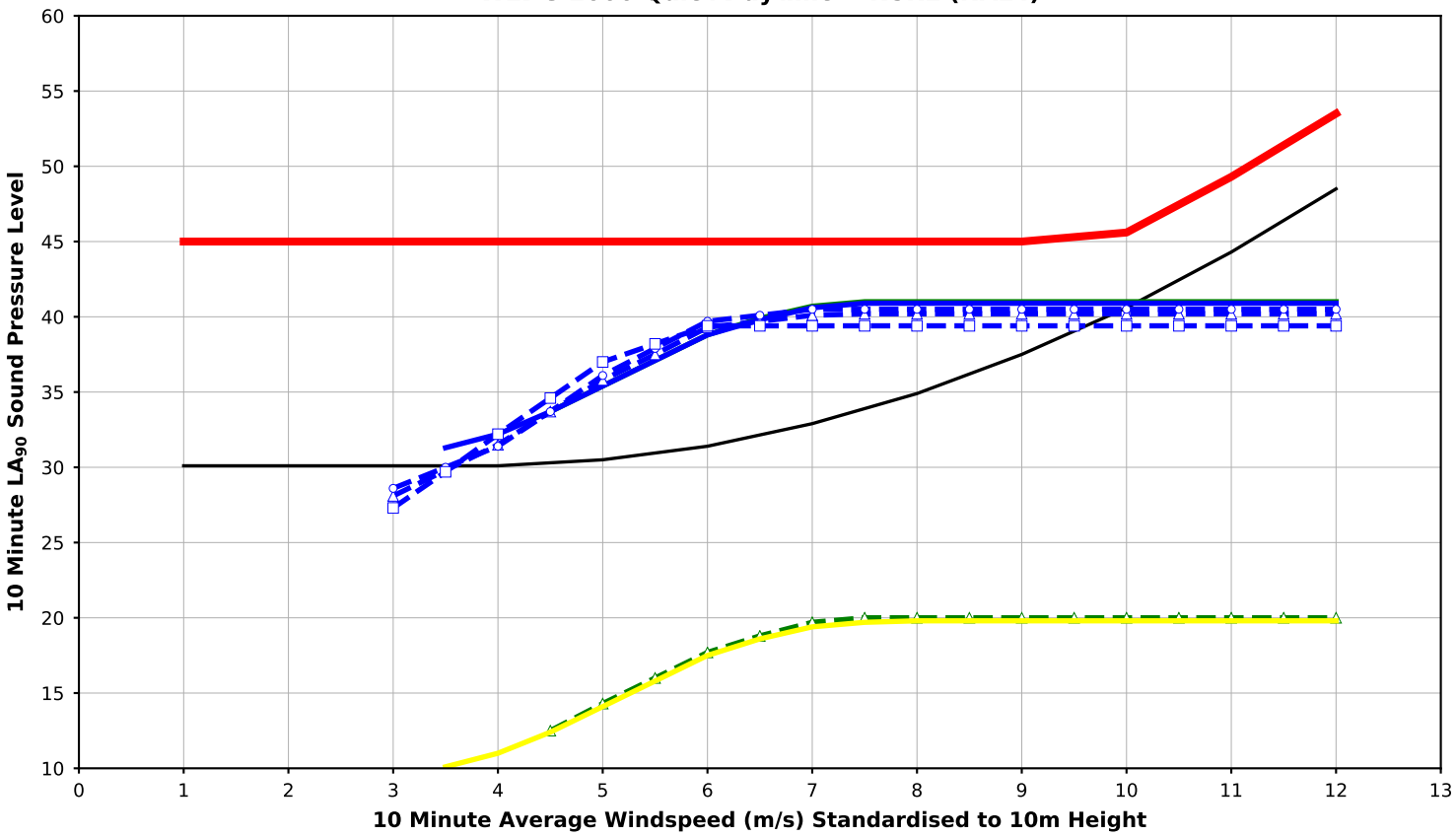


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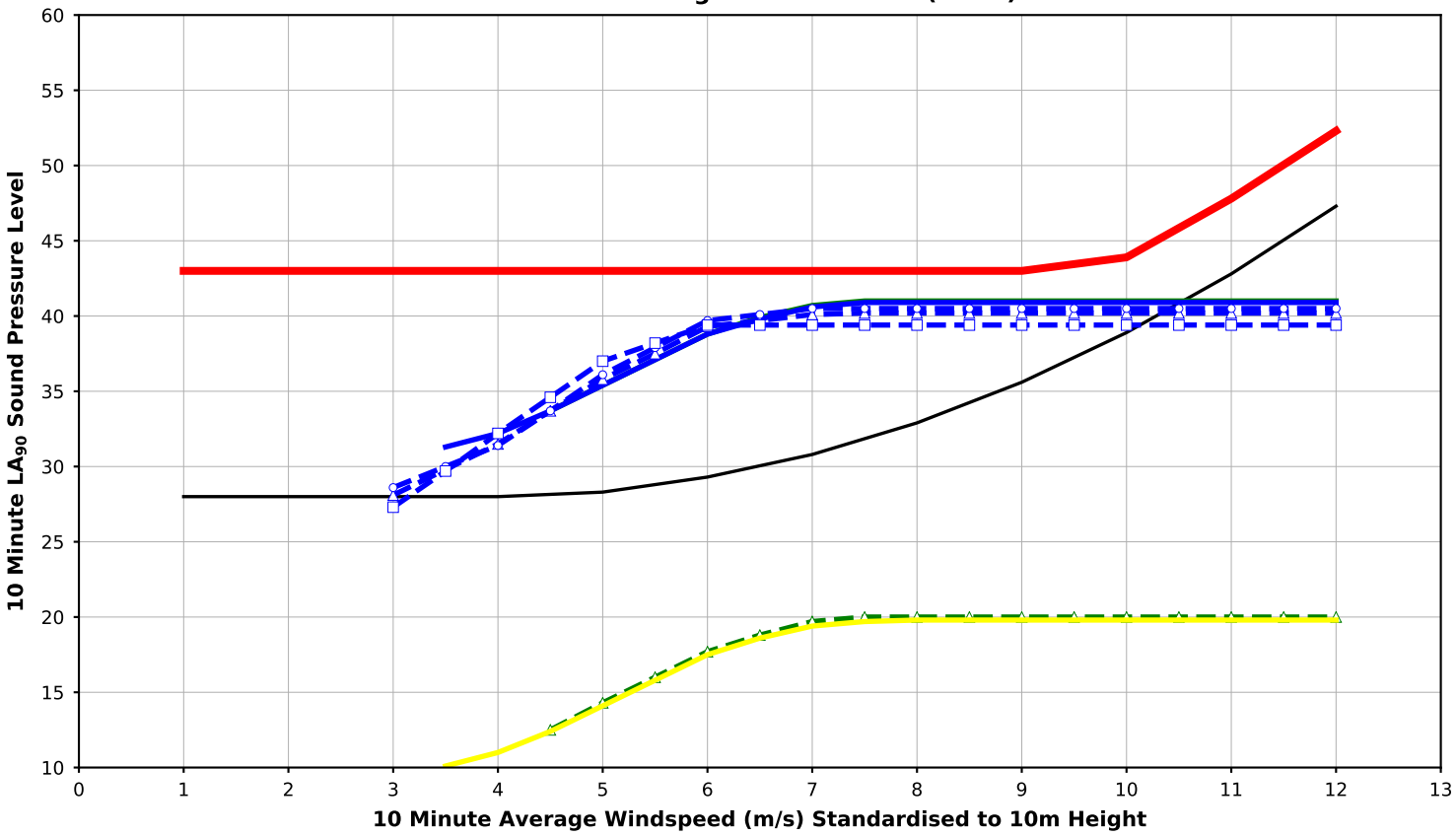
- Background Noise Levels
- WEDG 2006 Derived Noise Limits
- Cumulative (including the Proposed Development)
- Cumulative (excluding the Proposed Development)
- Proposed Development - V162
- Proposed Development - V150
- Proposed Development - GE158
- Proposed Development - SG155
- Cloonlusk
- Clonberne

Project:	Cooloo Wind Farm
Client:	MKO (The Client)
Title:	Likely Noise Predictions
Figure Number:	A1.3c
Scale:	NA
Drawn	JB
Checked:	JM
Date:	11/07/2025
Document Reference:	IE15-002

WEDG 2006 Quiet Daytime - NSR1 (NAL4)



WEDG 2006 Night Time - NSR1 (NAL4)

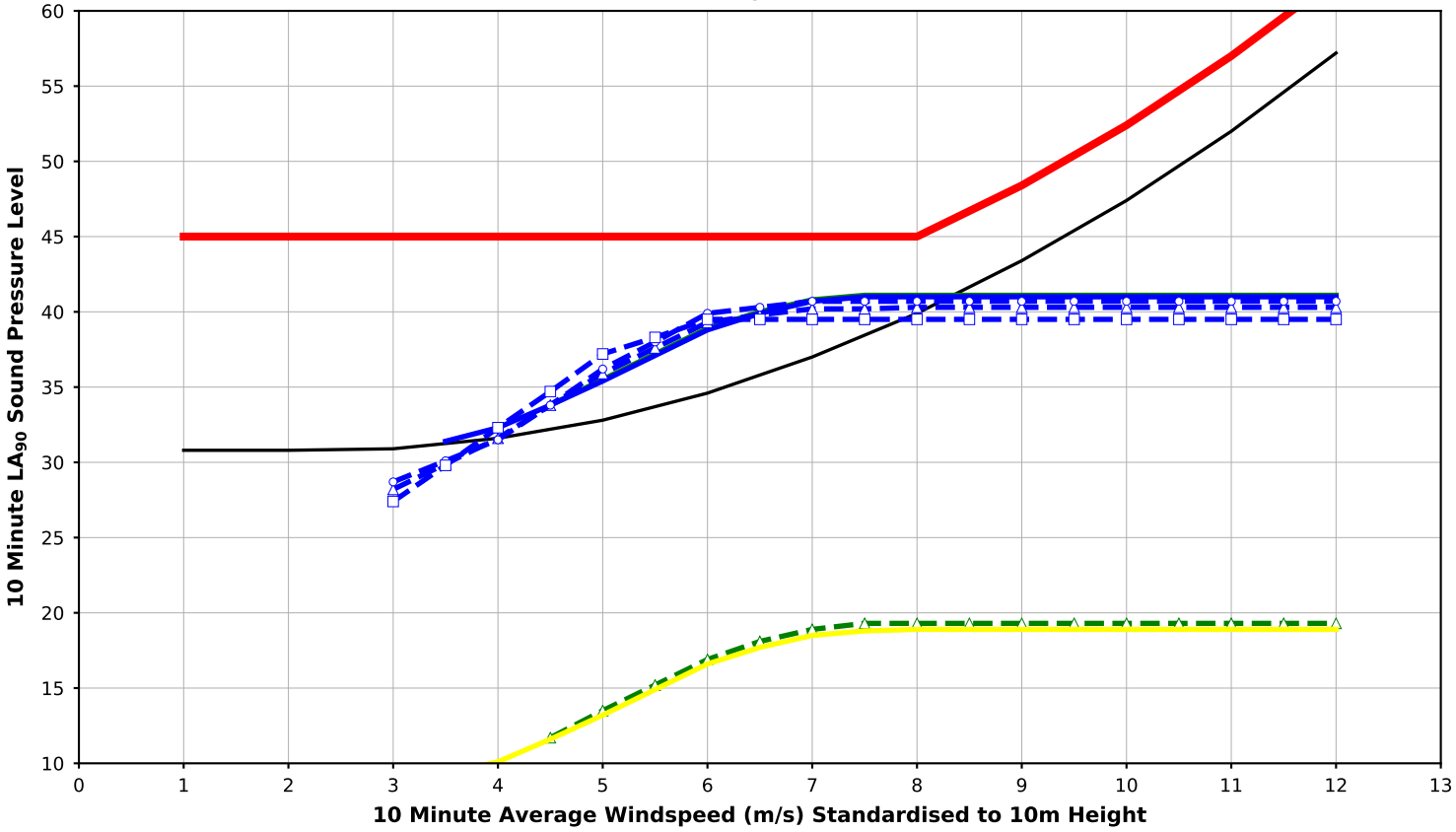


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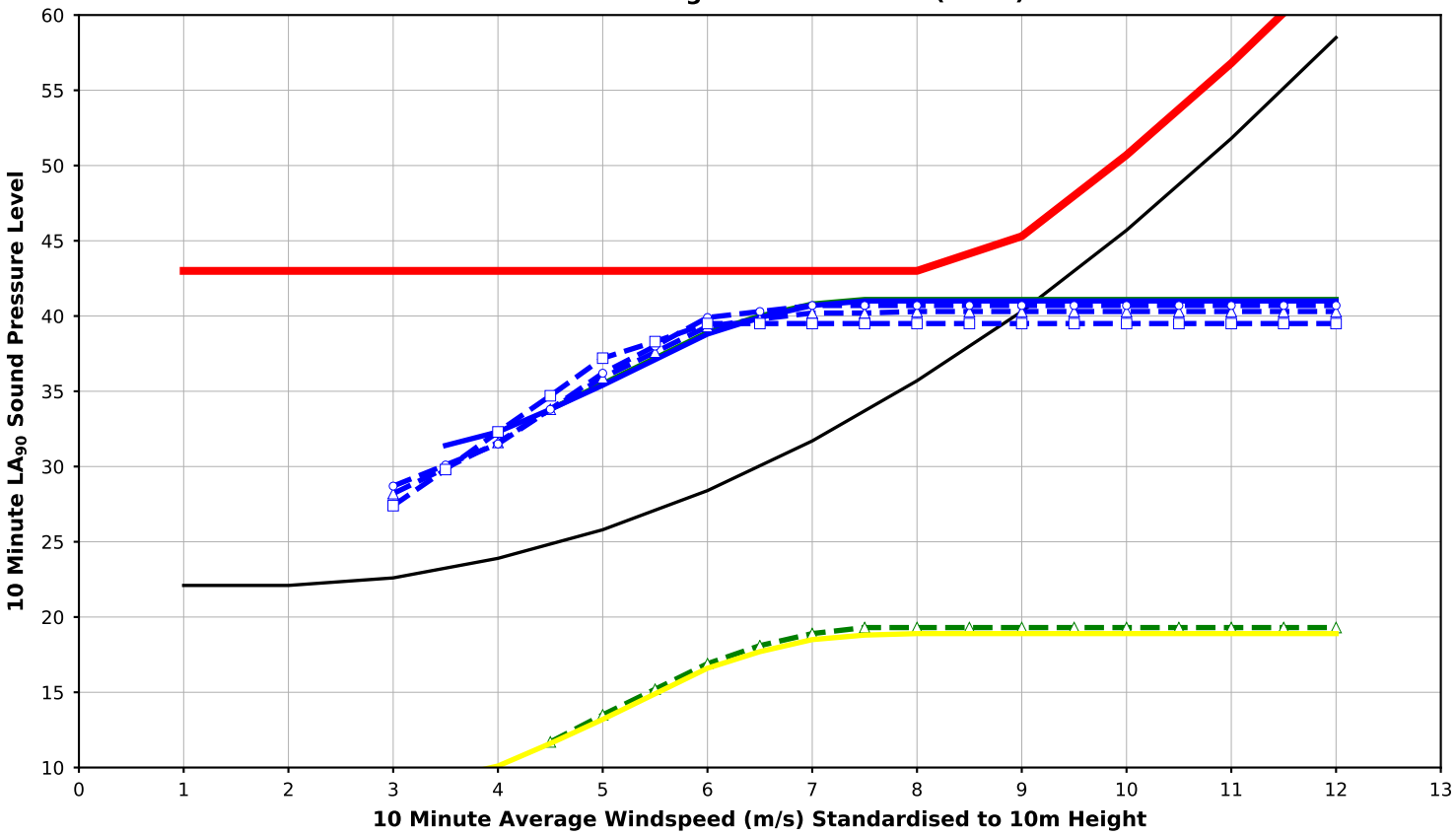
- Background Noise Levels
- WEDG 2006 Derived Noise Limits
- Cumulative (including the Proposed Development)
- Cumulative (excluding the Proposed Development)
- Proposed Development - V162
- Proposed Development - V150
- Proposed Development - GE158
- Proposed Development - SG155
- Cloonlusk
- Clonberne

Project:	Cooloo Wind Farm
Client:	MKO (The Client)
Title:	Likely Noise Predictions
Figure Number:	A1.3d
Scale:	NA
Drawn	JB
Checked:	JM
Date:	11/07/2025
Document Reference:	IE15-002

WEDG 2006 Quiet Daytime - NSR15 (NAL5)



WEDG 2006 Night Time - NSR15 (NAL5)

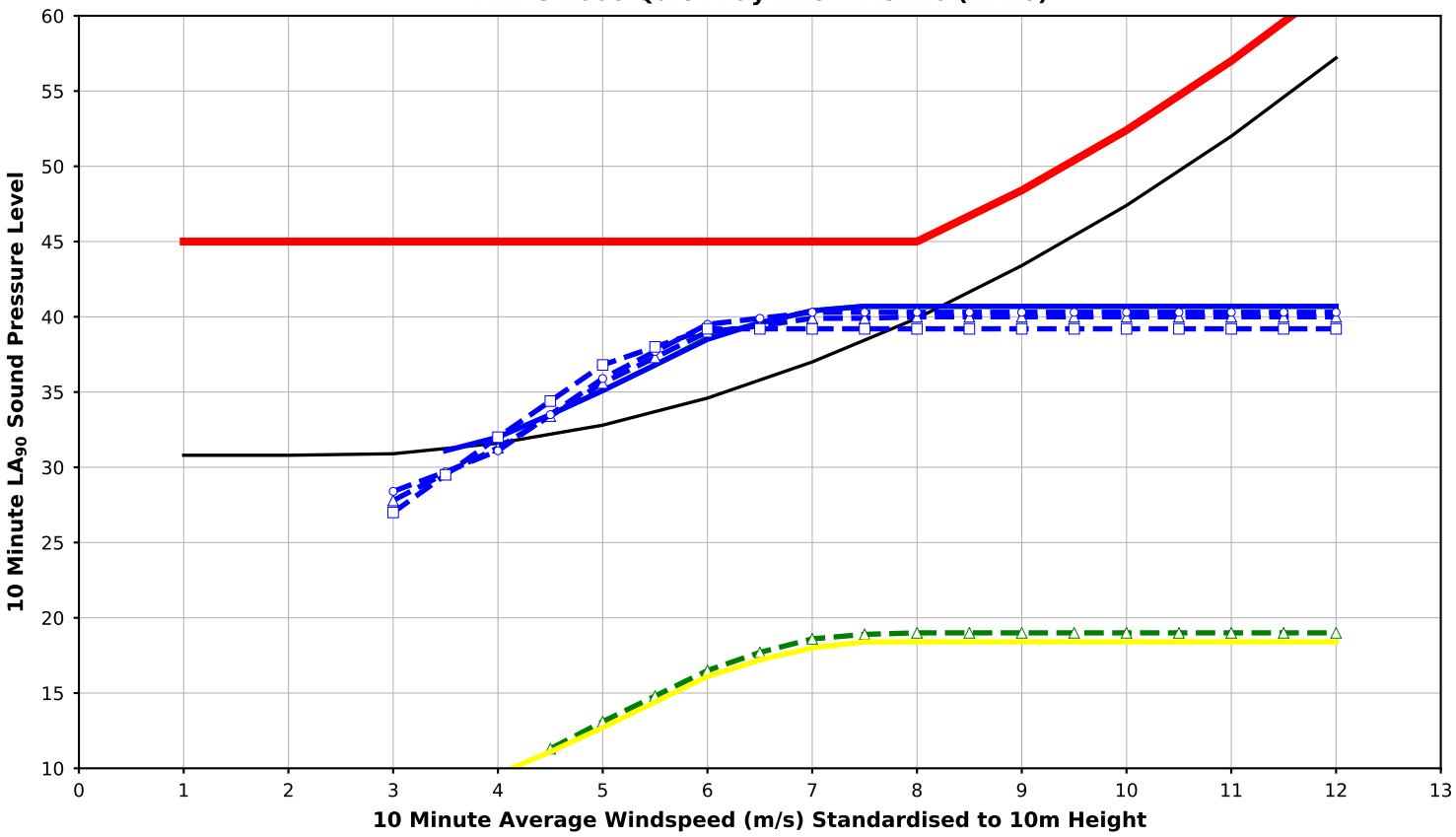


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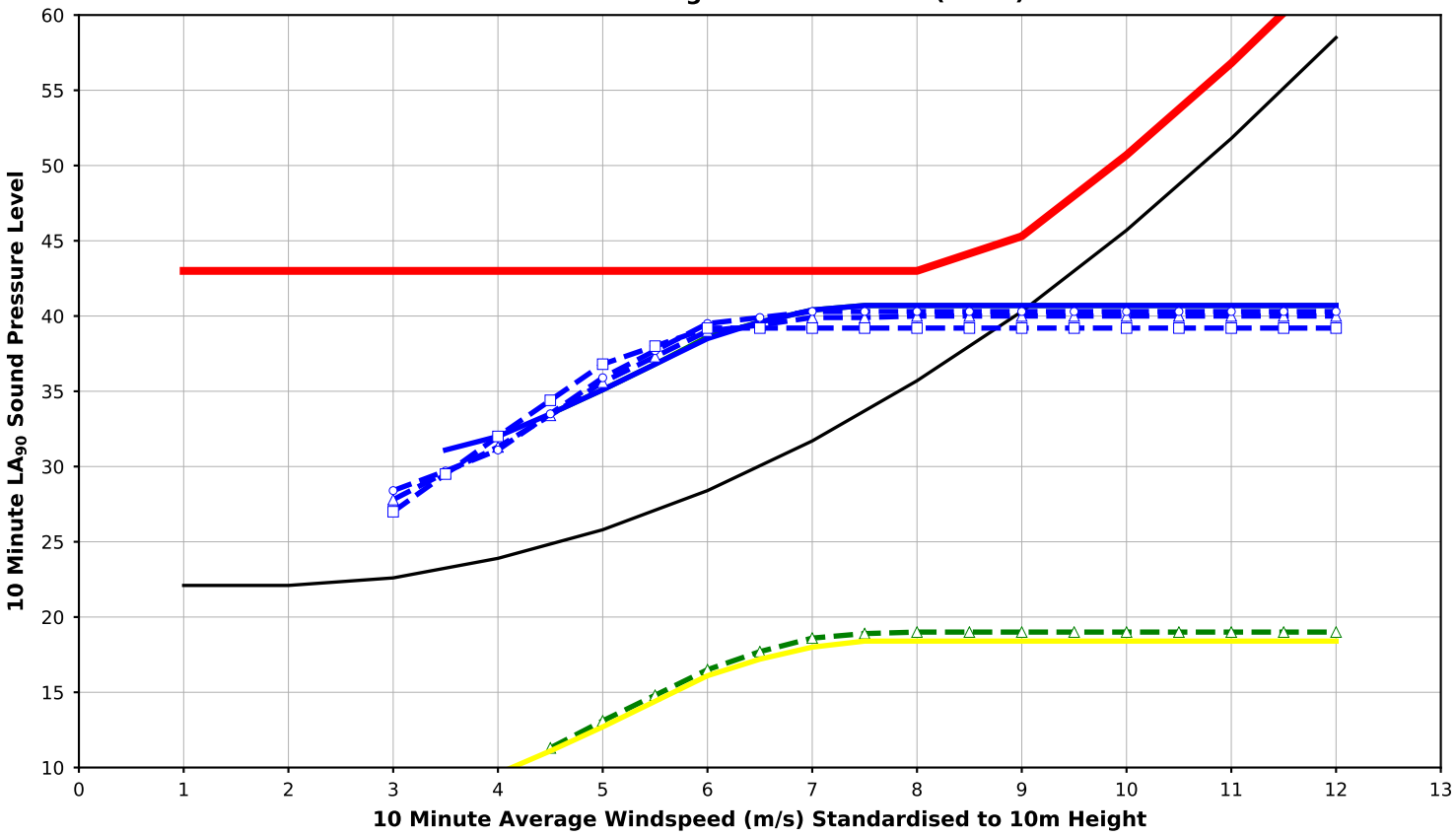
- Background Noise Levels
- WEDG 2006 Derived Noise Limits
- Cumulative (including the Proposed Development)
- Cumulative (excluding the Proposed Development)
- Proposed Development - V162
- Proposed Development - V150
- Proposed Development - GE158
- Proposed Development - SG155
- Cloonlusk
- Clonberne

Project:	Cooloo Wind Farm
Client:	MKO (The Client)
Title:	Likely Noise Predictions
Figure Number:	A1.3e
Scale:	NA
Drawn	JB
Checked:	JM
Date:	11/07/2025
Document Reference:	IE15-002

WEDG 2006 Quiet Daytime - NSR10 (NAL6)



WEDG 2006 Night Time - NSR10 (NAL6)

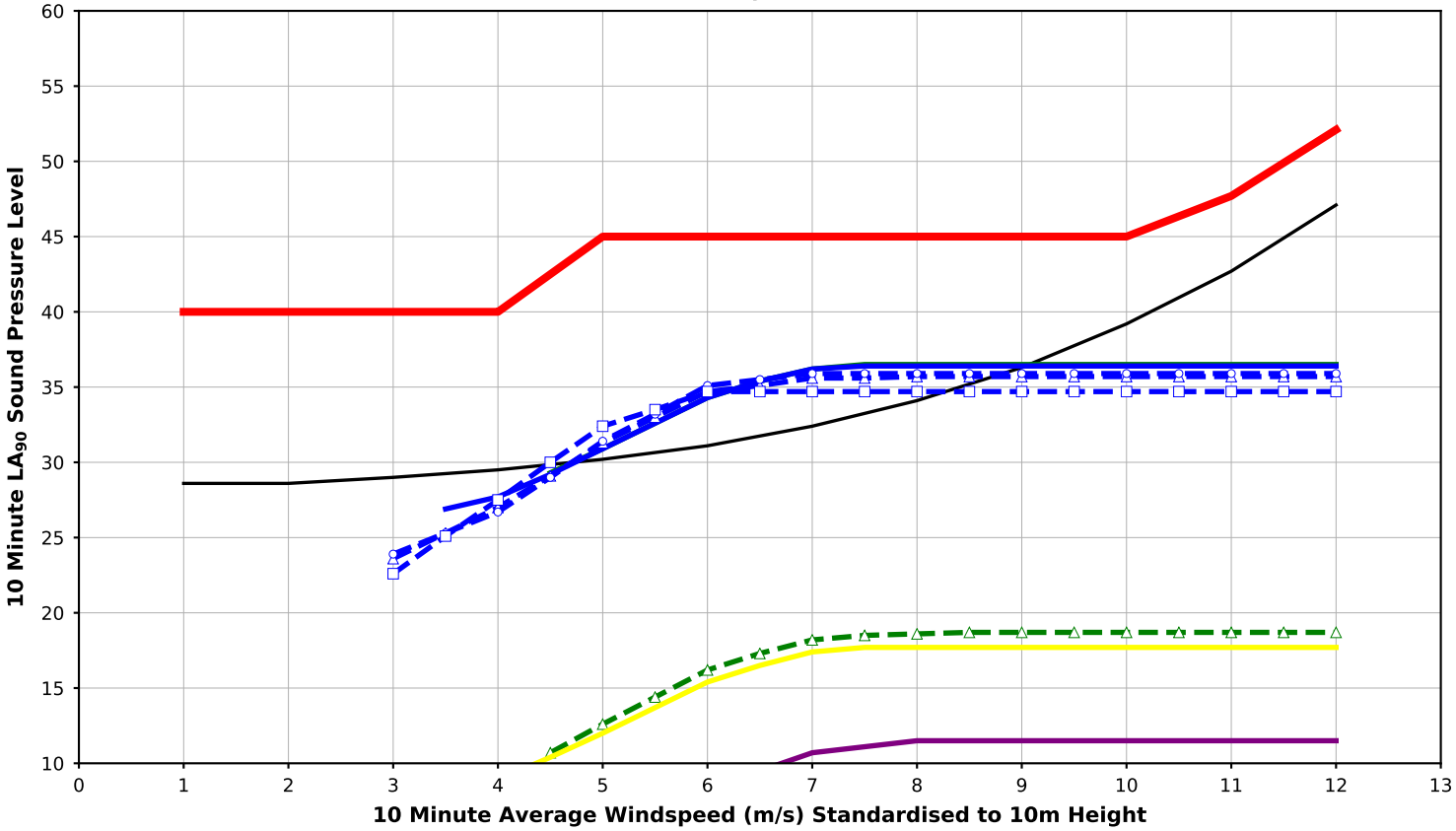


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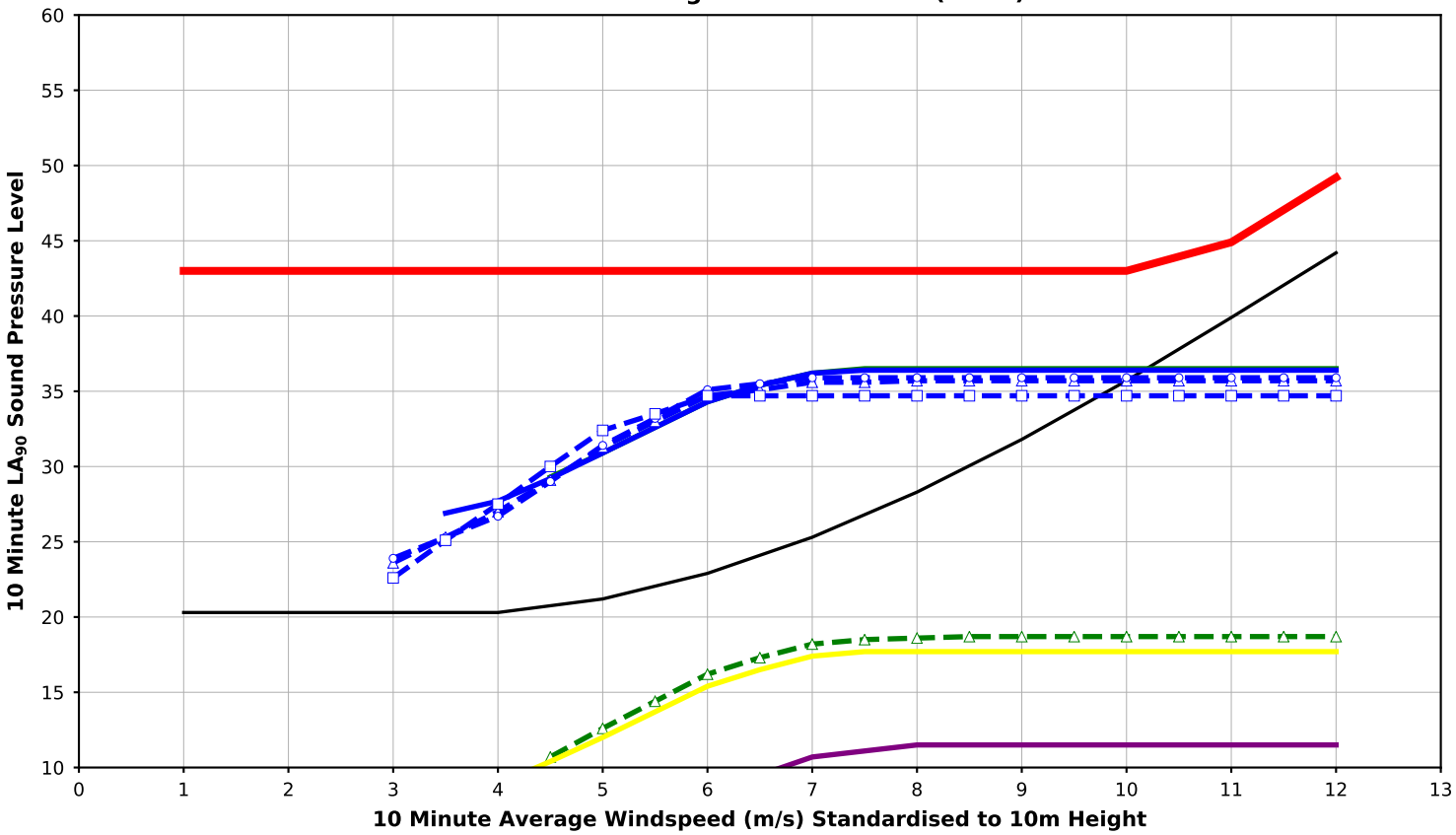
- Background Noise Levels
- WEDG 2006 Derived Noise Limits
- Cumulative (including the Proposed Development)
- Cumulative (excluding the Proposed Development)
- Proposed Development - V162
- Proposed Development - V150
- Proposed Development - GE158
- Proposed Development - SG155
- Cloonlusk
- Clonberne

Project:	Cooloo Wind Farm
Client:	MKO (The Client)
Title:	Likely Noise Predictions
Figure Number:	A1.3f
Scale:	NA
Drawn	JB
Checked:	JM
Date:	11/07/2025
Document Reference:	IE15-002

WEDG 2006 Quiet Daytime - NSR31 (NAL7)



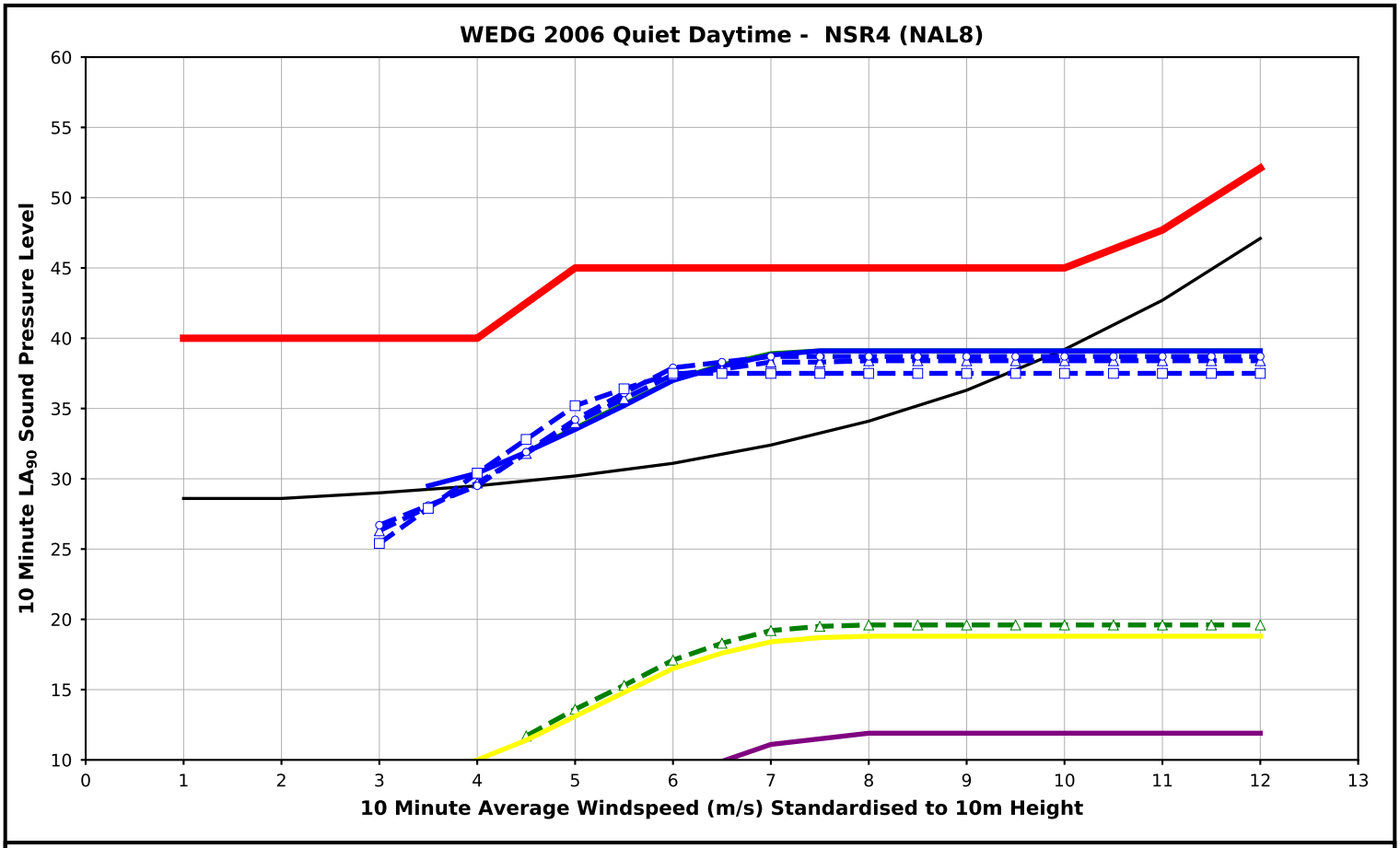
WEDG 2006 Night Time - NSR31 (NAL7)

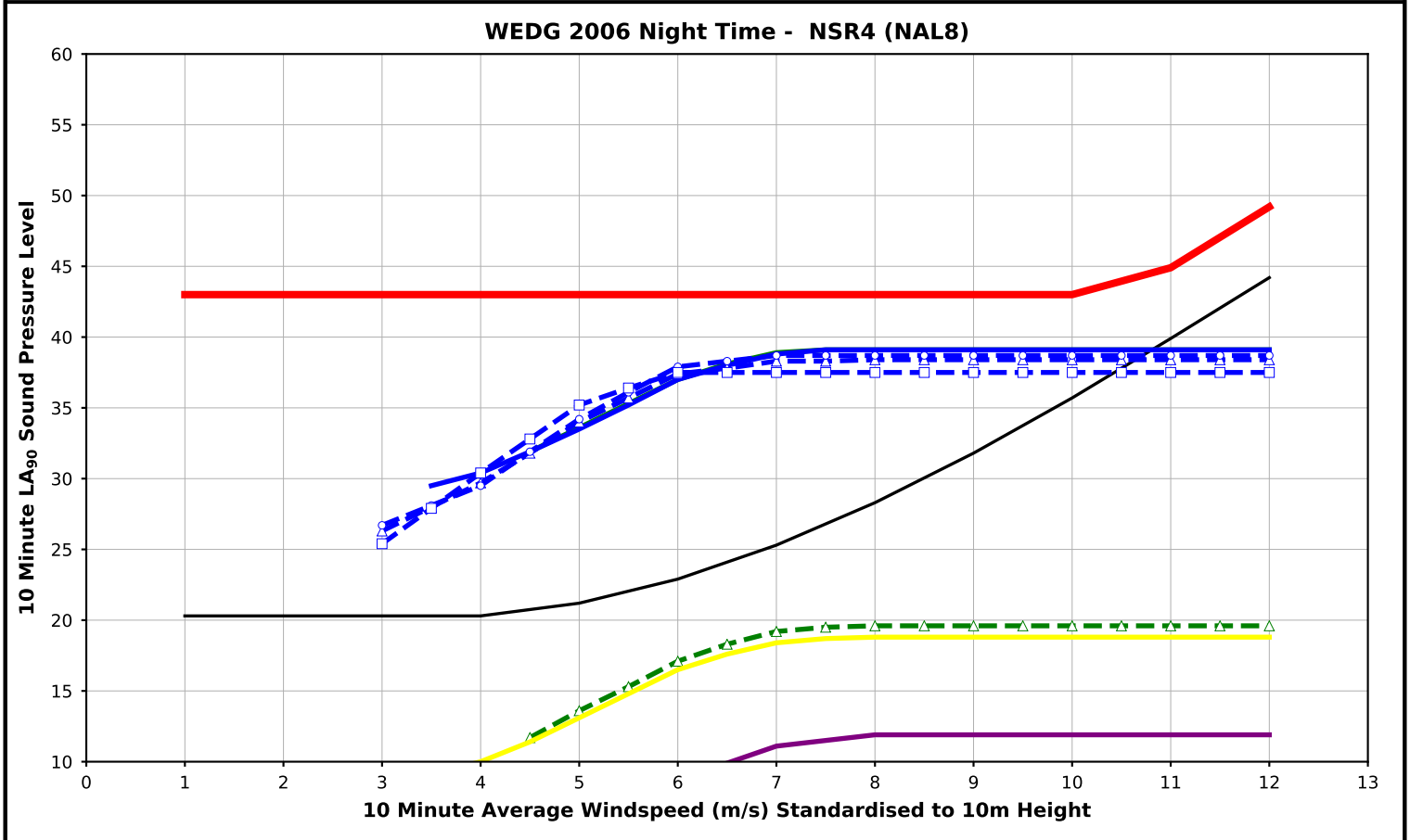


Legend:

- Background Noise Levels
- WEDG 2006 Derived Noise Limits
- Cumulative (including the Proposed Development)
- Cumulative (excluding the Proposed Development)
- Proposed Development - V162
- Proposed Development - V150
- Proposed Development - GE158
- Proposed Development - SG155
- Cloonlusk
- Clonberne

Project:	Cooloo Wind Farm
Client:	MKO (The Client)
Title:	Likely Noise Predictions
Figure Number:	A1.3g
Scale:	NA
Drawn	JB
Checked:	JM
Date:	11/07/2025
Document Reference:	IE15-002

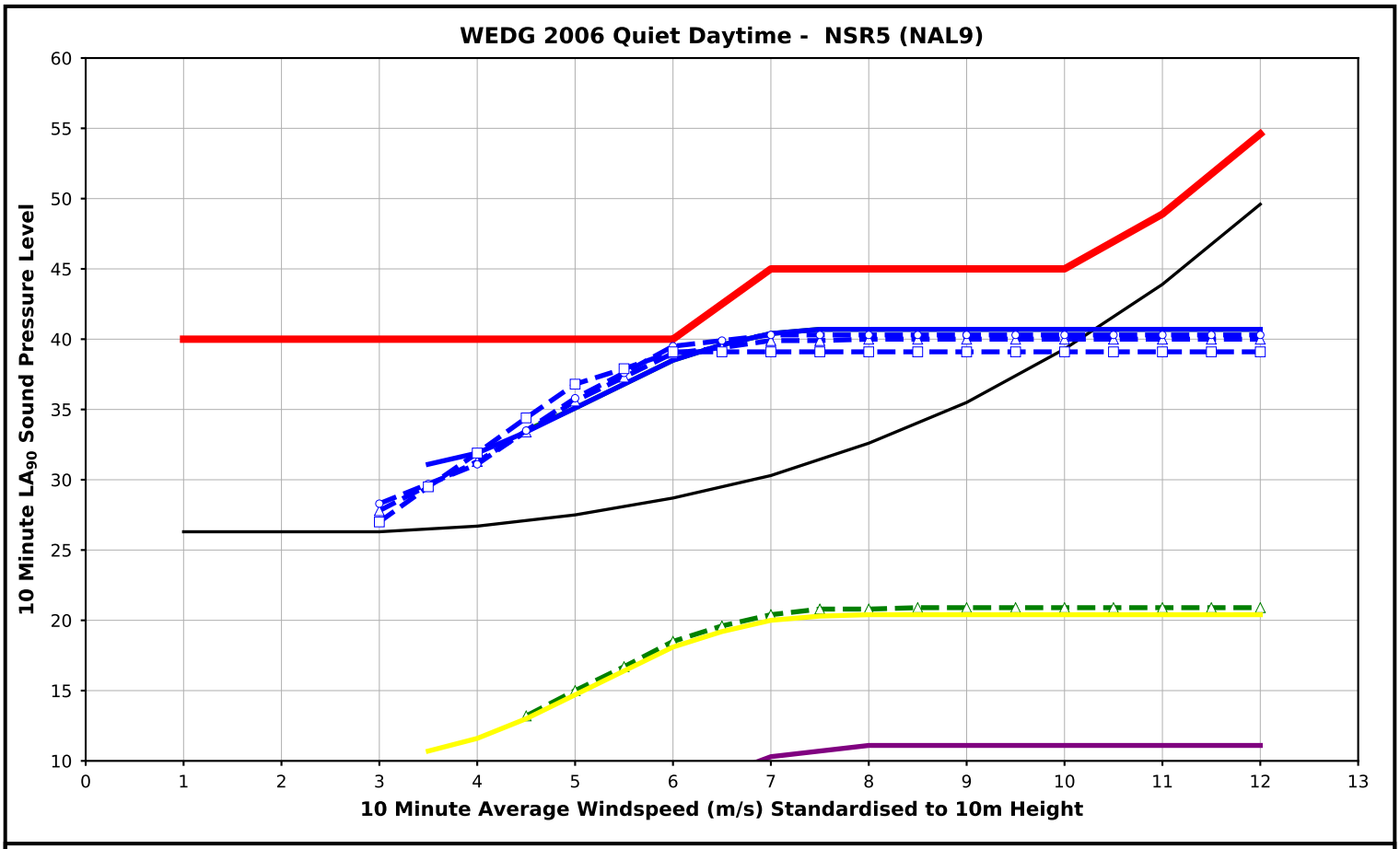


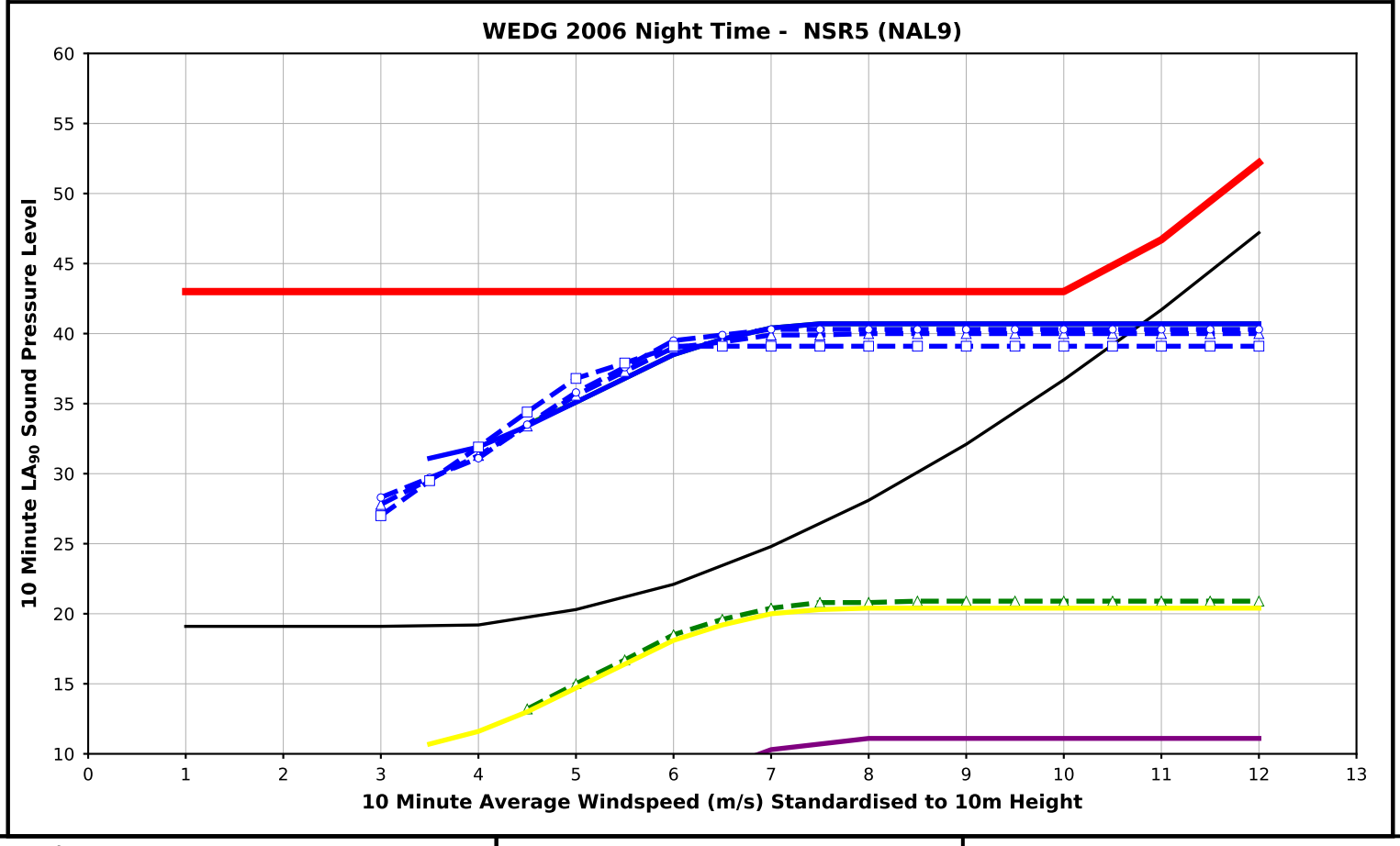


Legend:

- Background Noise Levels
- WEDG 2006 Derived Noise Limits
- Cumulative (including the Proposed Development)
- Cumulative (excluding the Proposed Development)
- Proposed Development - V162
- Proposed Development - V150
- Proposed Development - GE158
- Proposed Development - SG155
- Cloonlusk
- Clonberne

Project:	Cooloo Wind Farm
Client:	MKO (The Client)
Title:	Likely Noise Predictions
Figure Number:	A1.3h
Scale:	NA
Drawn	JB
Checked:	JM
Date:	11/07/2025
Document Reference:	IE15-002



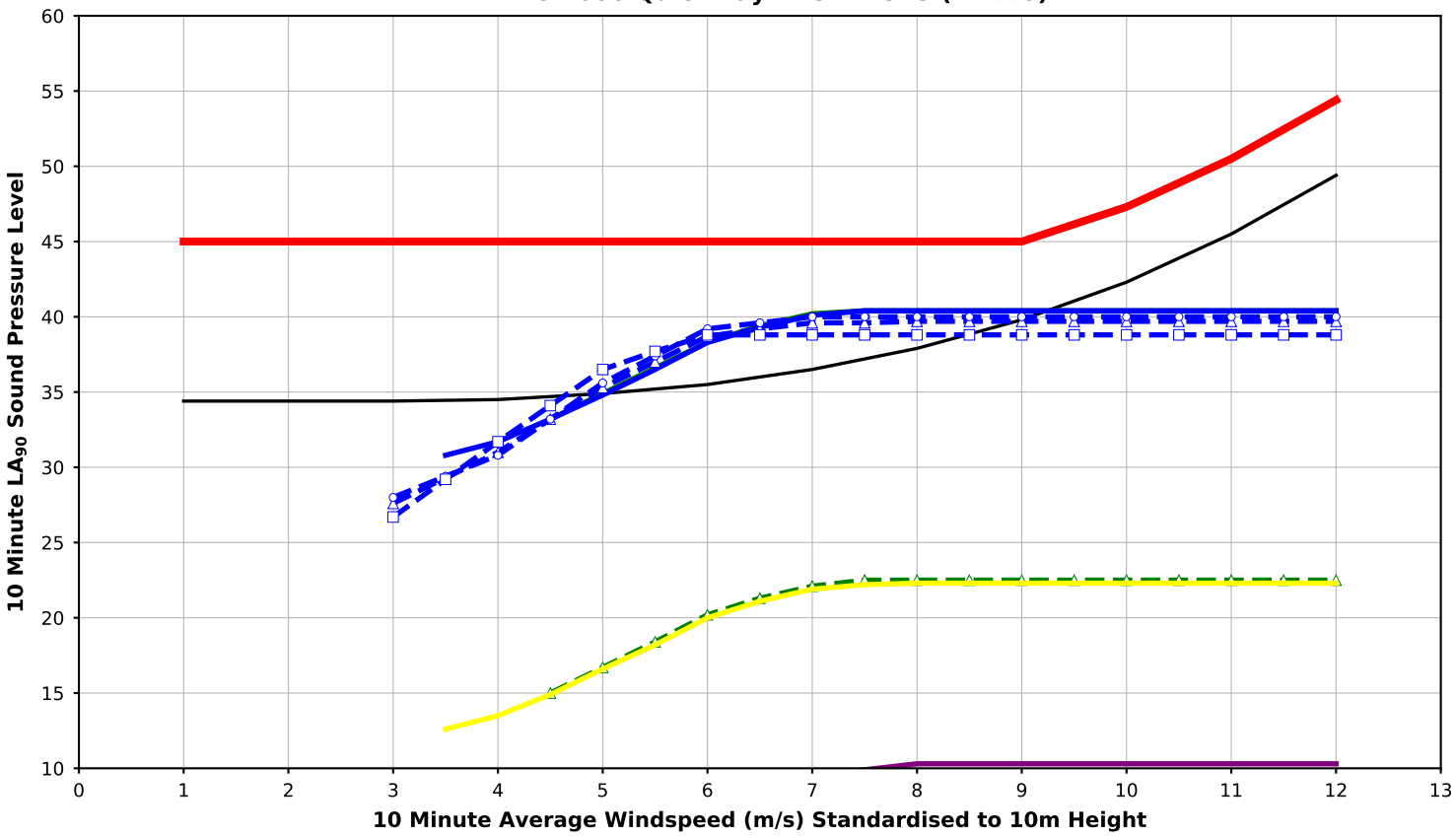


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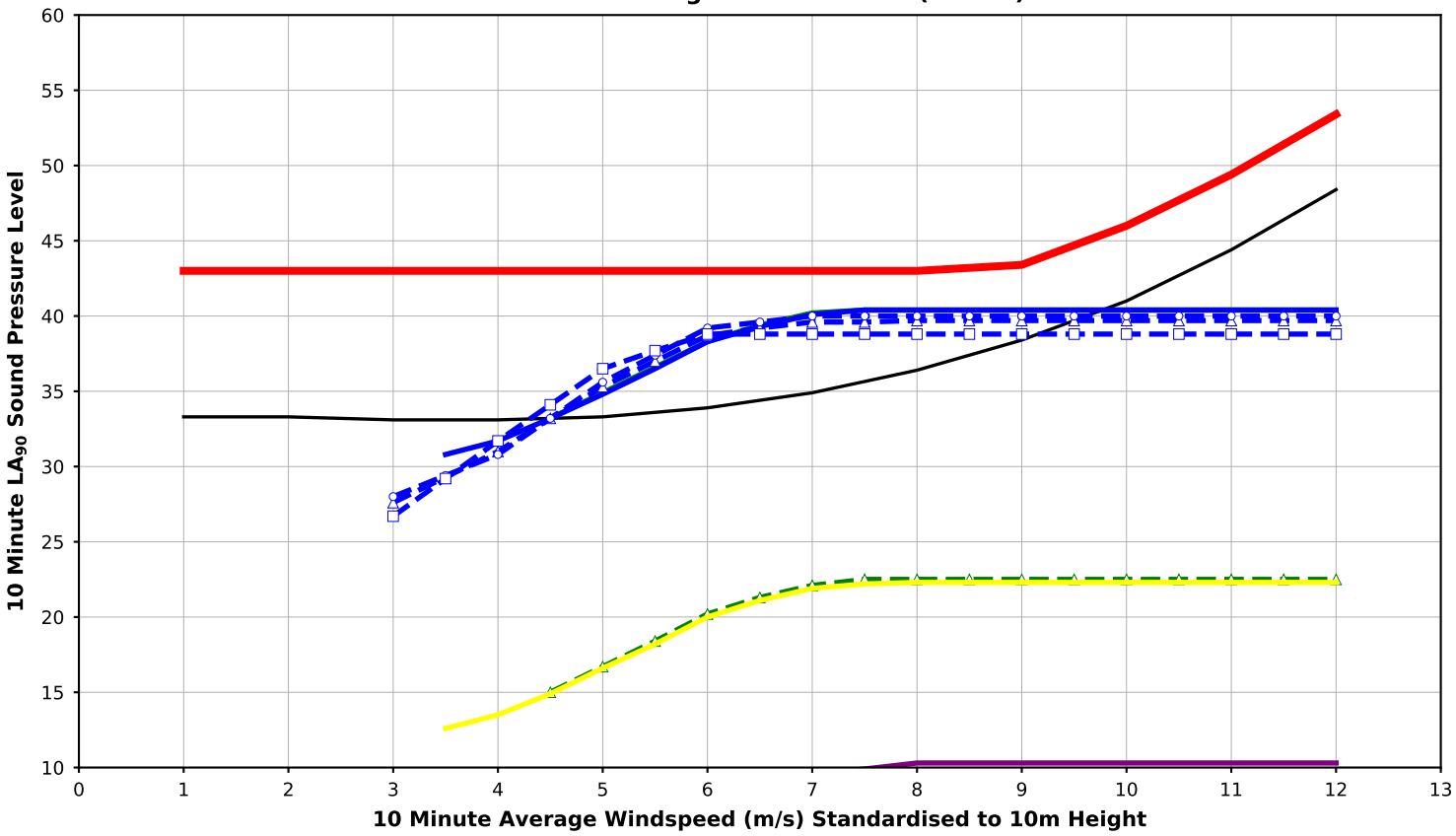
- Background Noise Levels
- WEDG 2006 Derived Noise Limits
- Cumulative (including the Proposed Development)
- Cumulative (excluding the Proposed Development)
- Proposed Development - V162
- Proposed Development - V150
- Proposed Development - GE158
- Proposed Development - SG155
- Cloonlusk
- Clonberne

Project:	Cooloo Wind Farm
Client:	MKO (The Client)
Title:	Likely Noise Predictions
Figure Number:	A1.3i
Scale:	NA
Drawn	JB
Checked:	JM
Date:	11/07/2025
Document Reference:	IE15-002

WEDG 2006 Quiet Daytime - NSR3 (NAL10)



WEDG 2006 Night Time - NSR3 (NAL10)

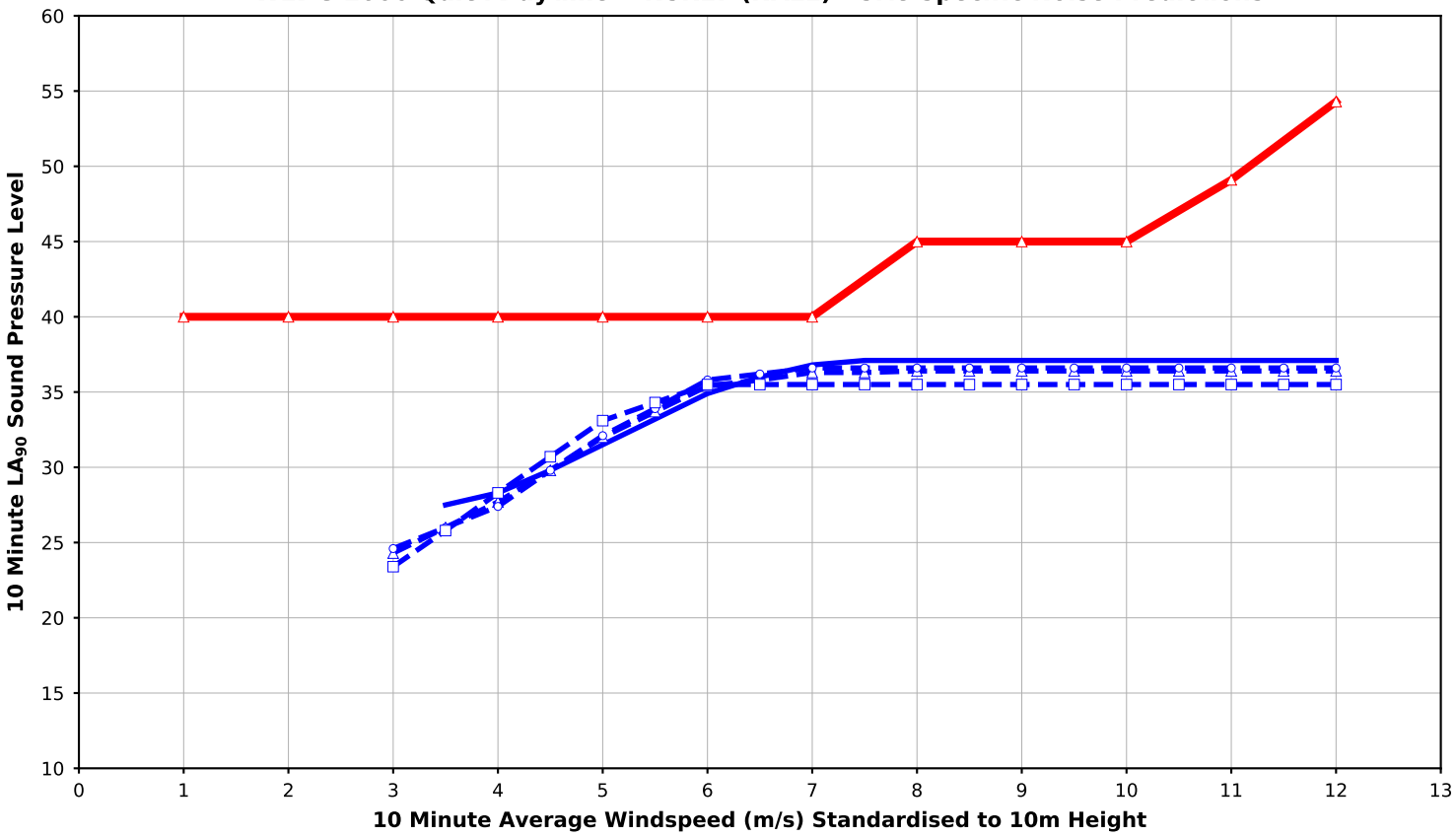


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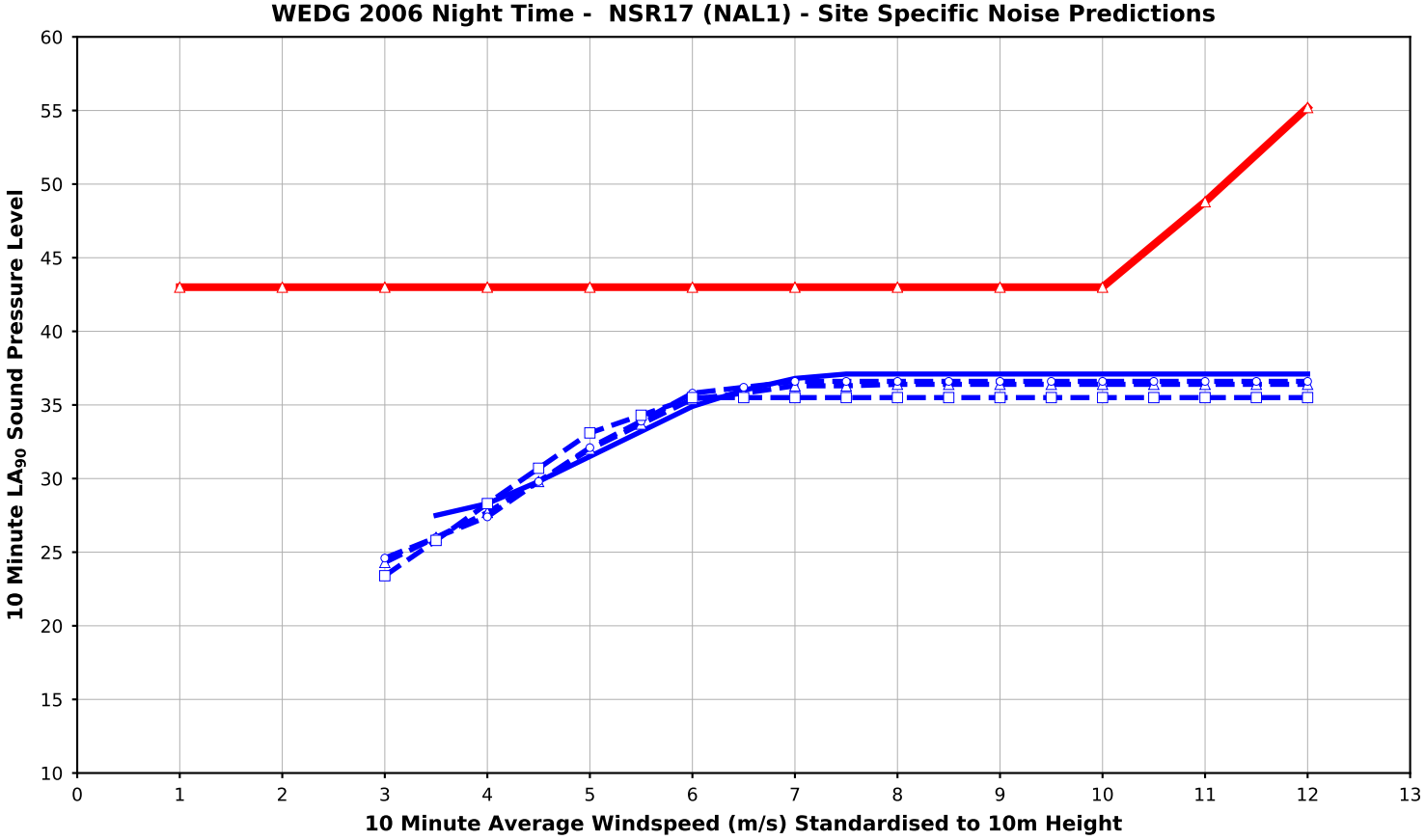
- Background Noise Levels
- WEDG 2006 Derived Noise Limits
- Cumulative (including the Proposed Development)
- Cumulative (excluding the Proposed Development)
- Proposed Development - V162
- Proposed Development - V150
- Proposed Development - GE158
- Proposed Development - SG155
- Cloonlusk
- Clonberne

Project:	Cooloo Wind Farm
Client:	MKO (The Client)
Title:	Likely Noise Predictions
Figure Number:	A1.3j
Scale:	NA
Drawn	JB
Checked:	JM
Date:	11/07/2025
Document Reference:	IE15-002

WEDG 2006 Quiet Daytime - NSR17 (NAL1) - Site Specific Noise Predictions



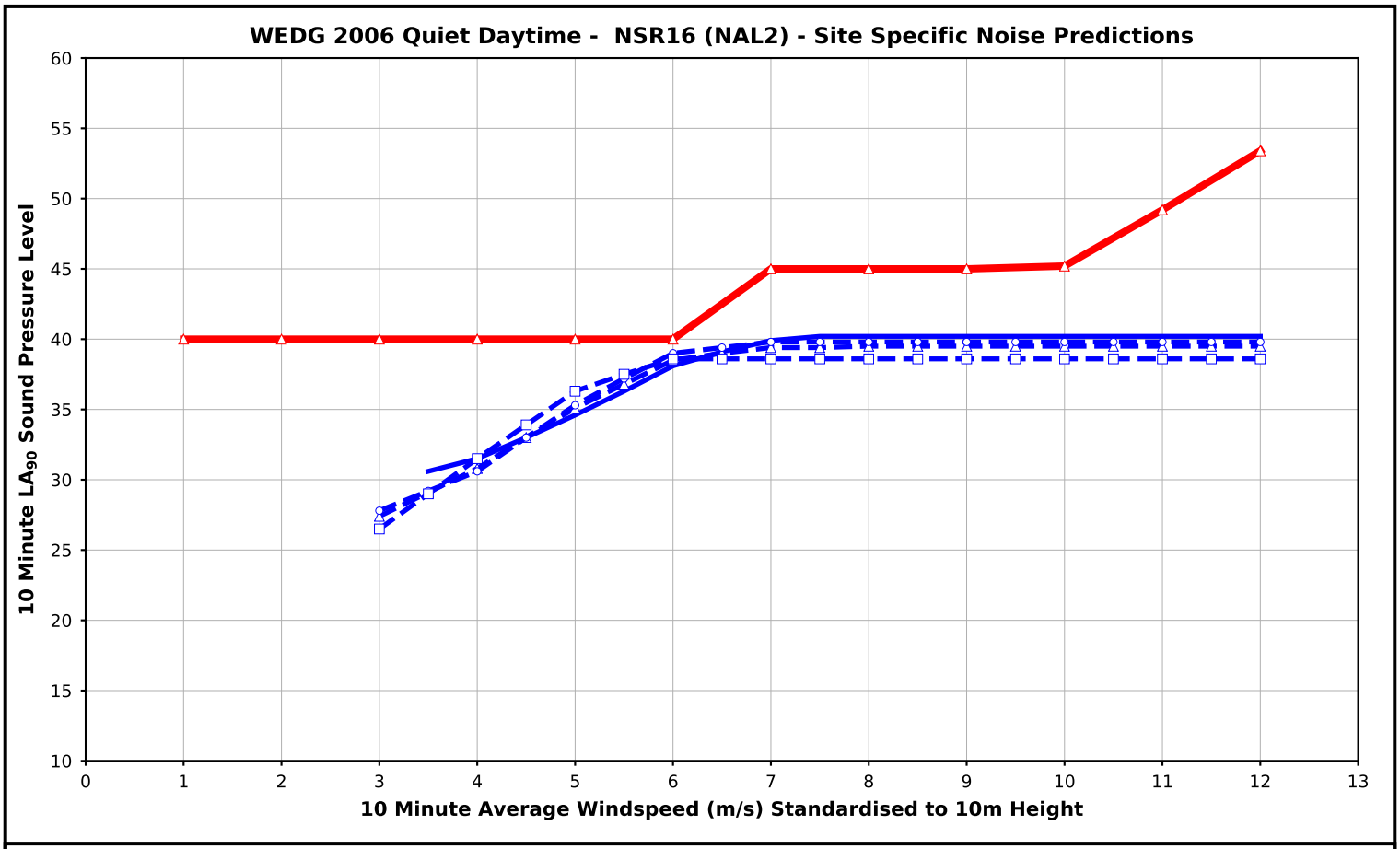
WEDG 2006 Night Time - NSR17 (NAL1) - Site Specific Noise Predictions

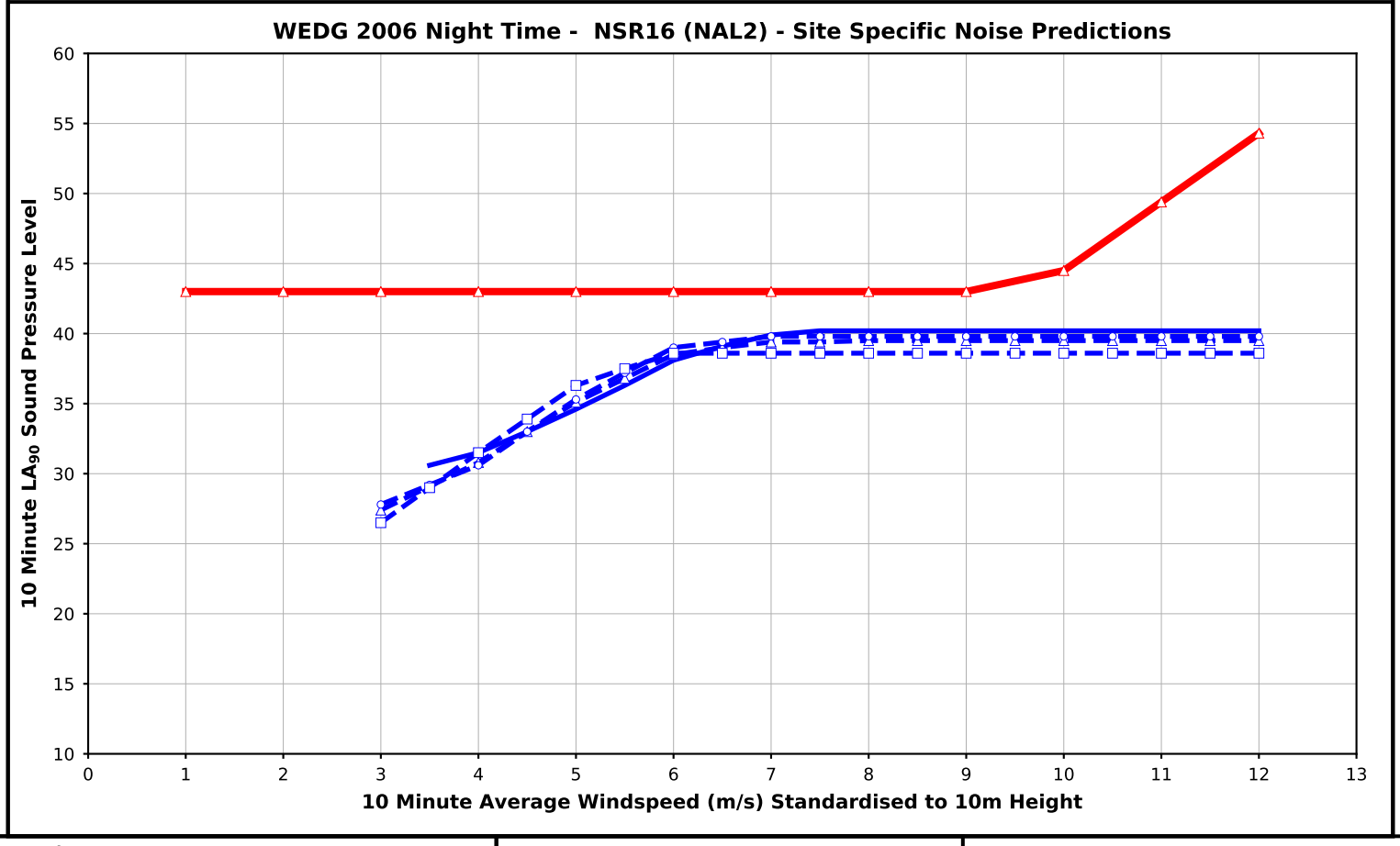


Legend:

- Total ETSU-R-97 Noise Limits
- Site Specific Noise Limits
- Proposed Development - V162
- Proposed Development - V150
- Proposed Development - GE158
- Proposed Development - SG155

Project:	Cooloo Wind Farm
Client:	MKO (The Client)
Title:	Site Specific Noise Assessment
Figure Number:	A1.4a
Scale:	NA
Drawn	JB
Checked:	JM
Date:	11/07/2025
Document Reference:	IE15-002

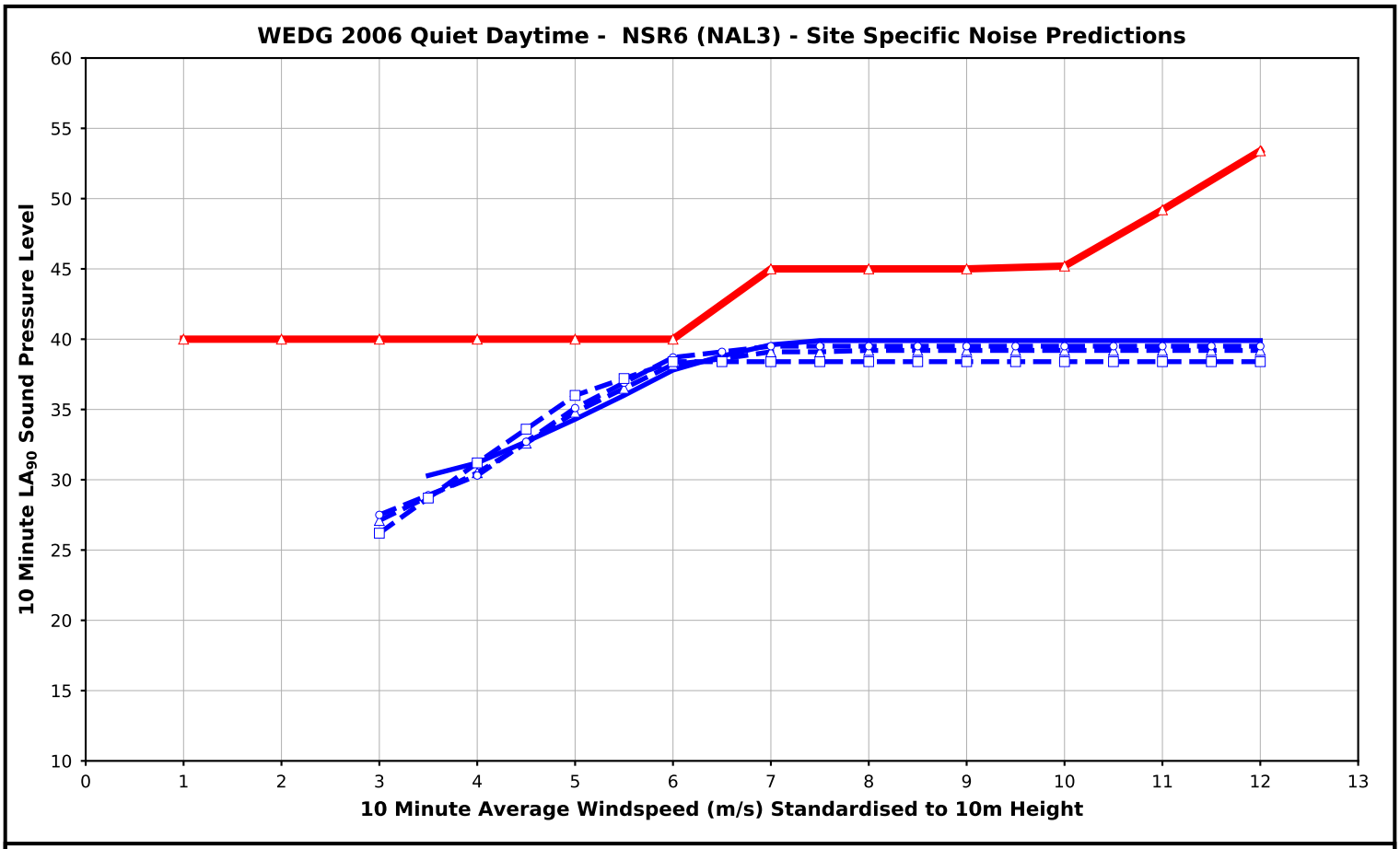


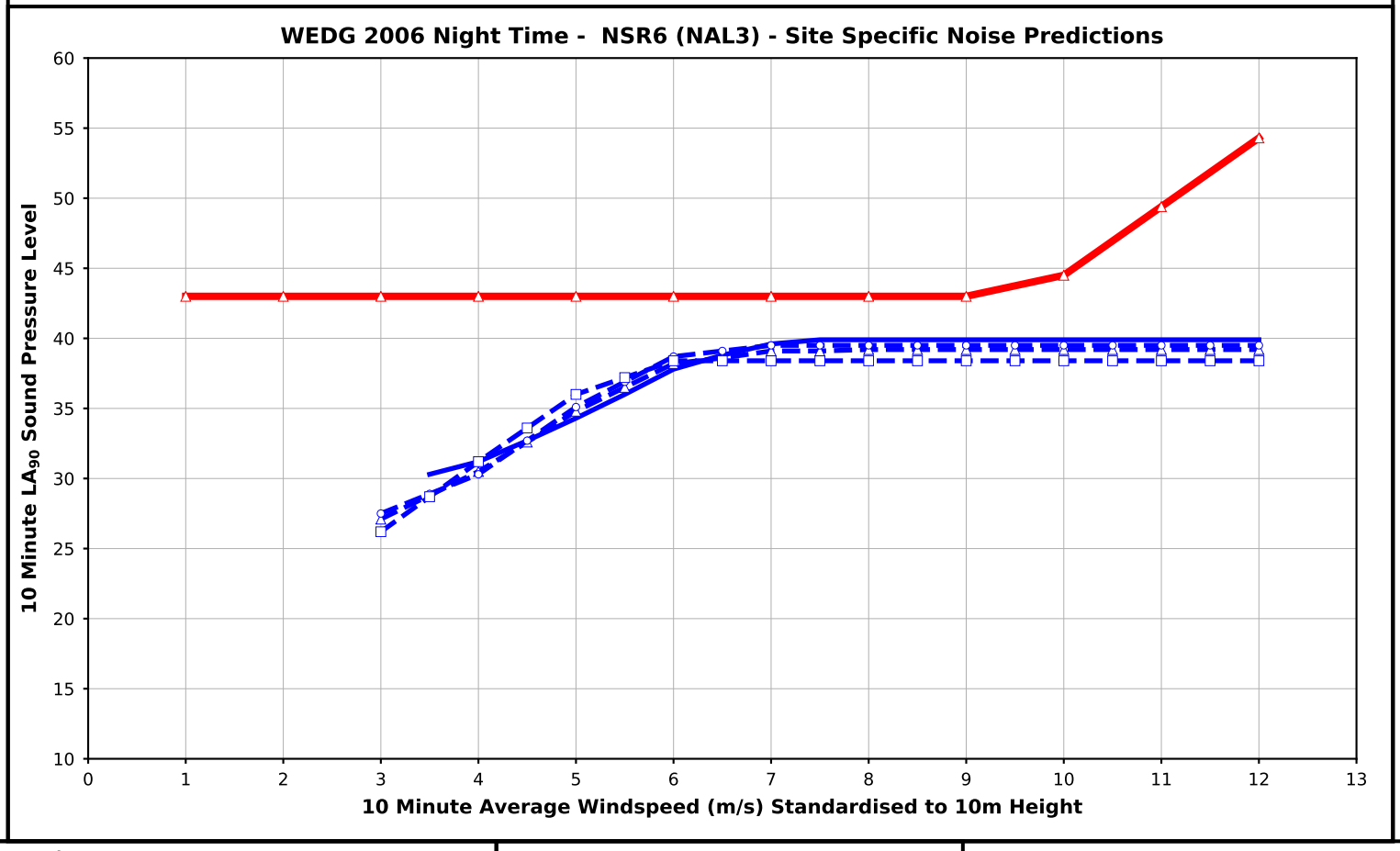


Legend:

- Total ETSU-R-97 Noise Limits
- Site Specific Noise Limits
- Proposed Development - V162
- Proposed Development - V150
- Proposed Development - GE158
- Proposed Development - SG155

Project:	Cooloo Wind Farm
Client:	MKO (The Client)
Title:	Site Specific Noise Assessment
Figure Number:	A1.4b
Scale:	NA
Drawn	JB
Checked:	JM
Date:	11/07/2025
Document Reference:	IE15-002



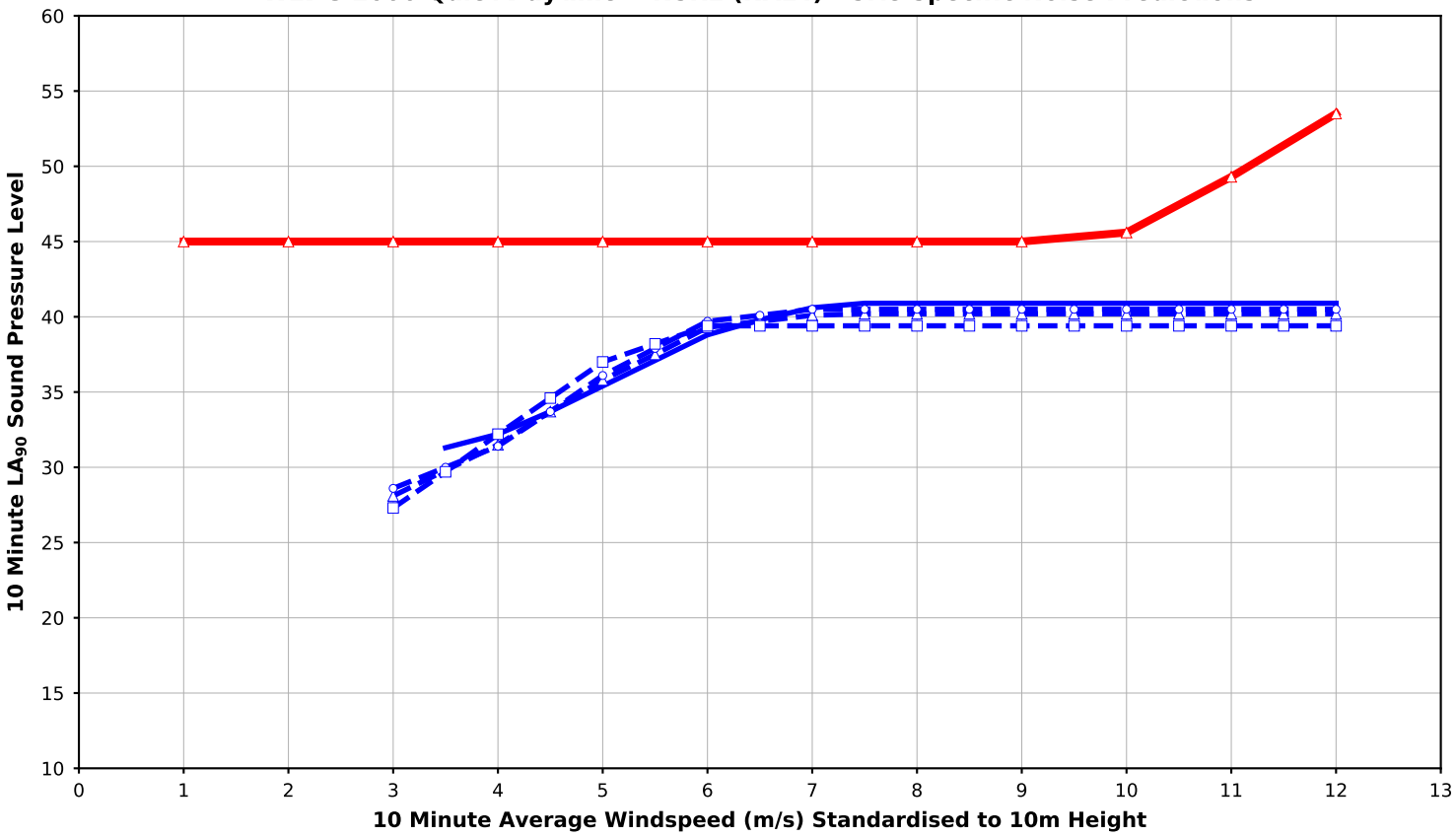


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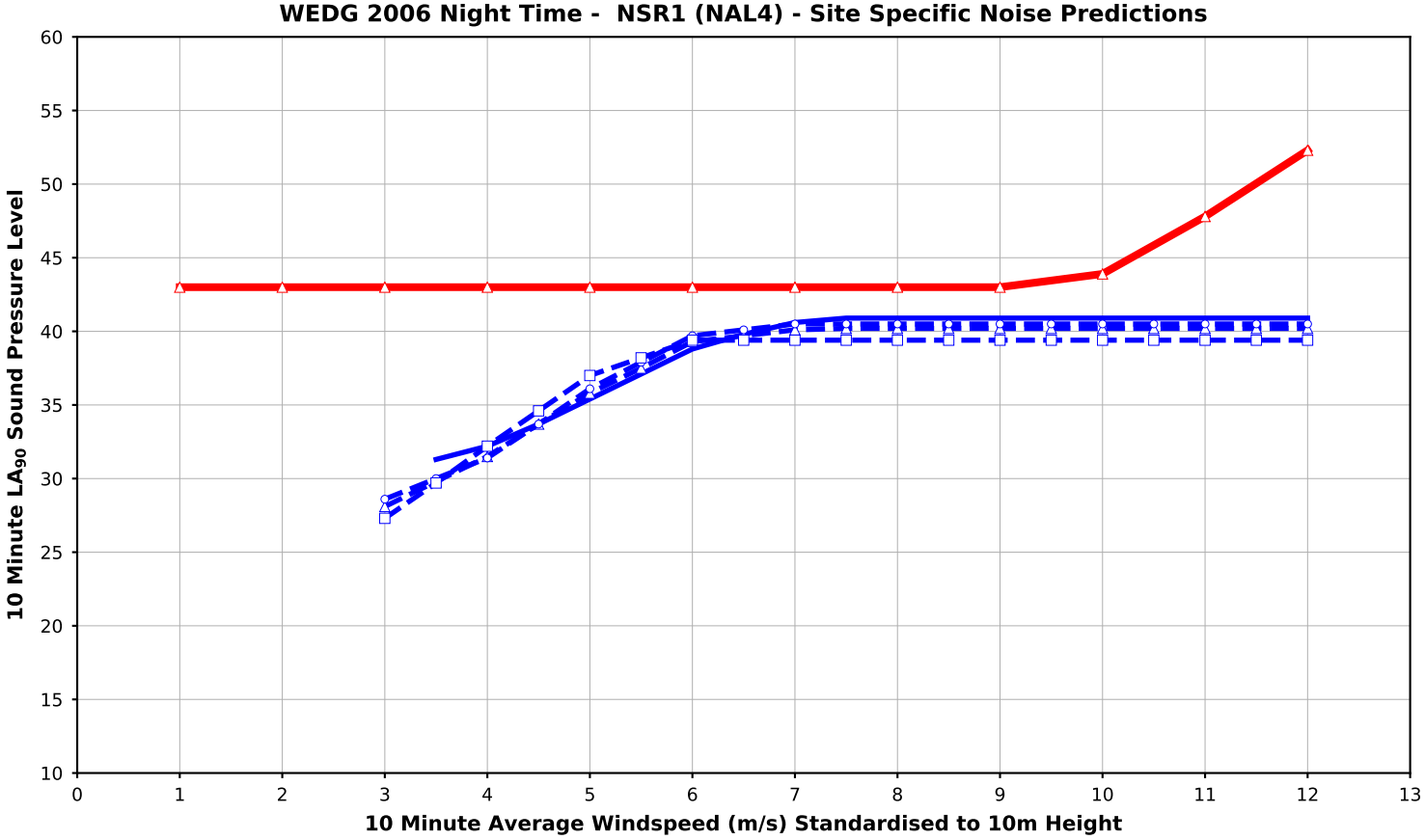
- Total ETSU-R-97 Noise Limits
- Site Specific Noise Limits
- Proposed Development - V162
- Proposed Development - V150
- Proposed Development - GE158
- Proposed Development - SG155

Project:	Cooloo Wind Farm
Client:	MKO (The Client)
Title:	Site Specific Noise Assessment
Figure Number:	A1.4c
Scale:	NA
Drawn	JB
Checked:	JM
Date:	11/07/2025
Document Reference:	IE15-002

WEDG 2006 Quiet Daytime - NSR1 (NAL4) - Site Specific Noise Predictions



WEDG 2006 Night Time - NSR1 (NAL4) - Site Specific Noise Predictions

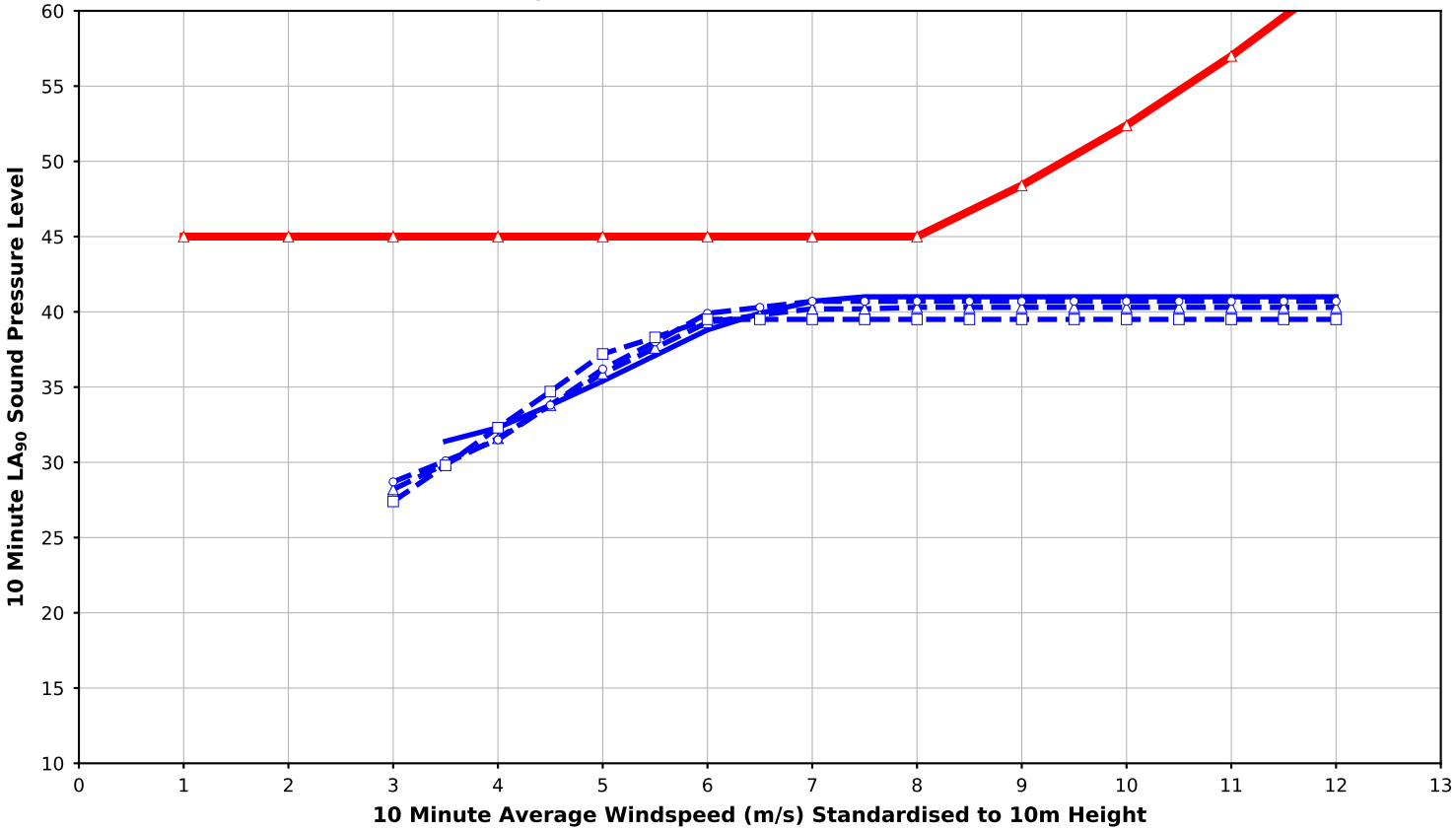


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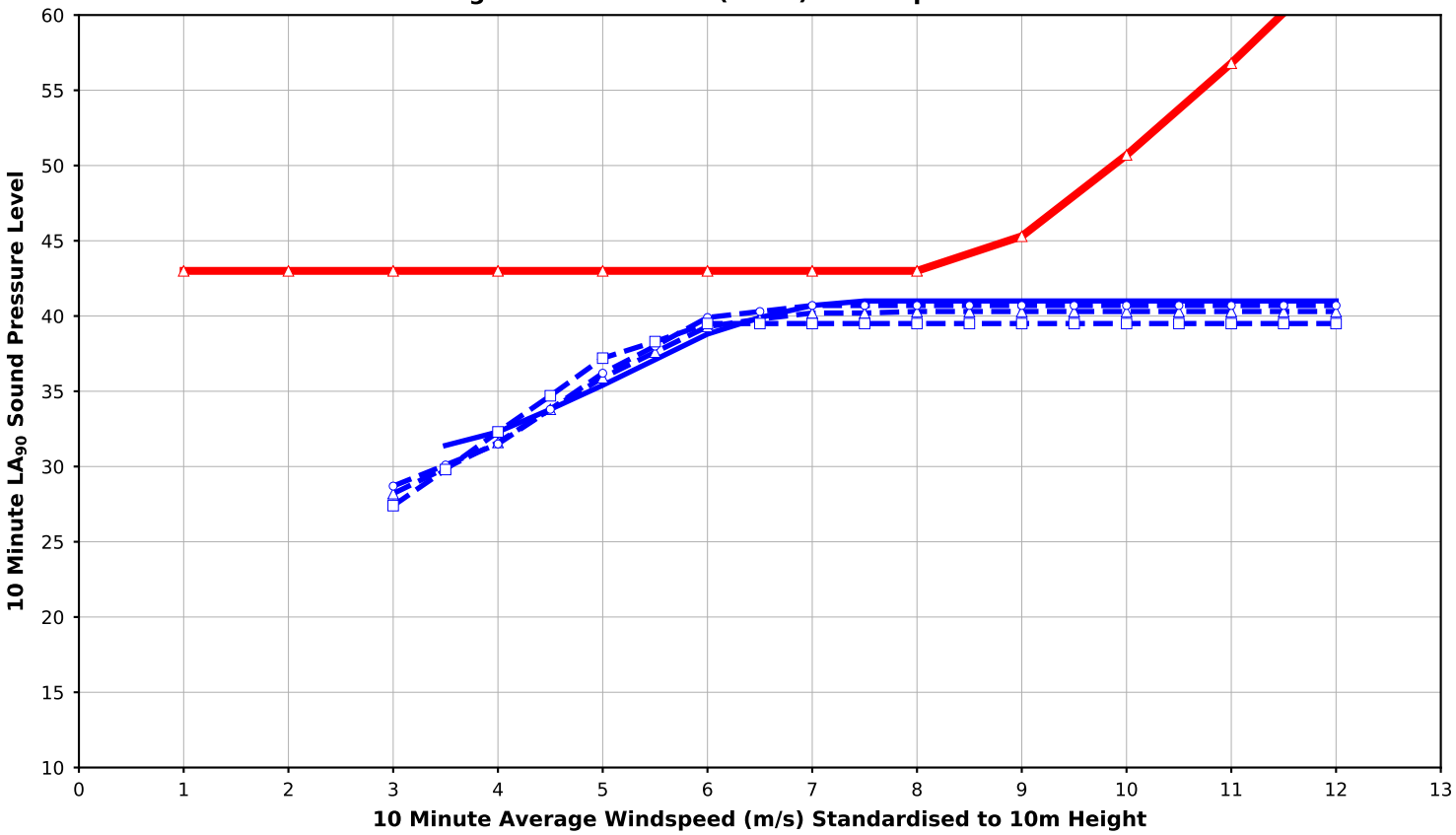
- Total ETSU-R-97 Noise Limits
- Site Specific Noise Limits
- Proposed Development - V162
- Proposed Development - V150
- Proposed Development - GE158
- Proposed Development - SG155

Project:	Cooloo Wind Farm
Client:	MKO (The Client)
Title:	Site Specific Noise Assessment
Figure Number:	A1.4d
Scale:	NA
Drawn	JB
Checked:	JM
Date:	11/07/2025
Document Reference:	IE15-002

WEDG 2006 Quiet Daytime - NSR15 (NAL5) - Site Specific Noise Predictions



WEDG 2006 Night Time - NSR15 (NAL5) - Site Specific Noise Predictions

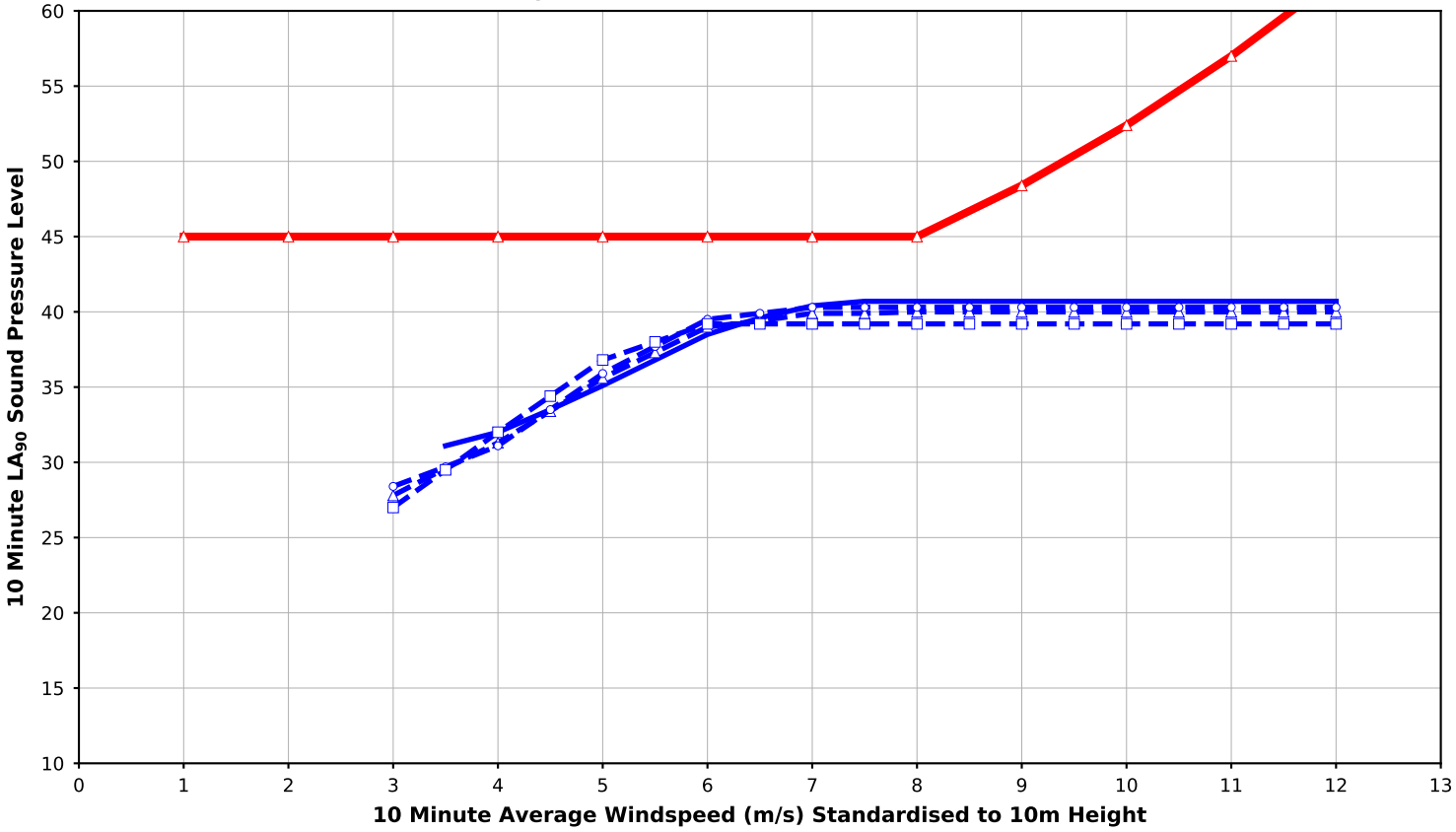


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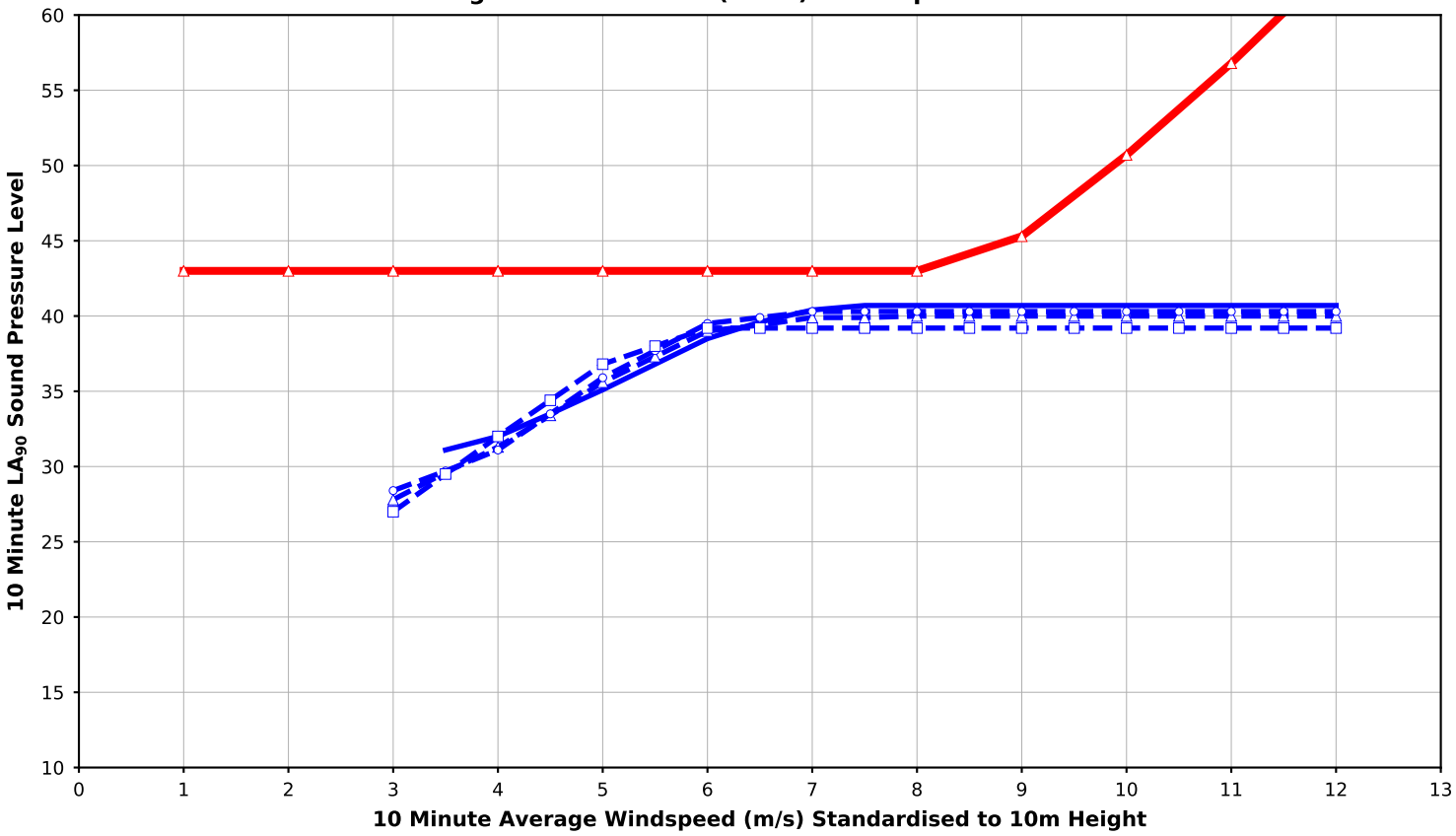
- Total ETSU-R-97 Noise Limits
- Site Specific Noise Limits
- Proposed Development - V162
- Proposed Development - V150
- Proposed Development - GE158
- Proposed Development - SG155

Project:	Cooloo Wind Farm
Client:	MKO (The Client)
Title:	Site Specific Noise Assessment
Figure Number:	A1.4e
Scale:	NA
Drawn	JB
Checked:	JM
Date:	11/07/2025
Document Reference:	IE15-002

WEDG 2006 Quiet Daytime - NSR10 (NAL6) - Site Specific Noise Predictions



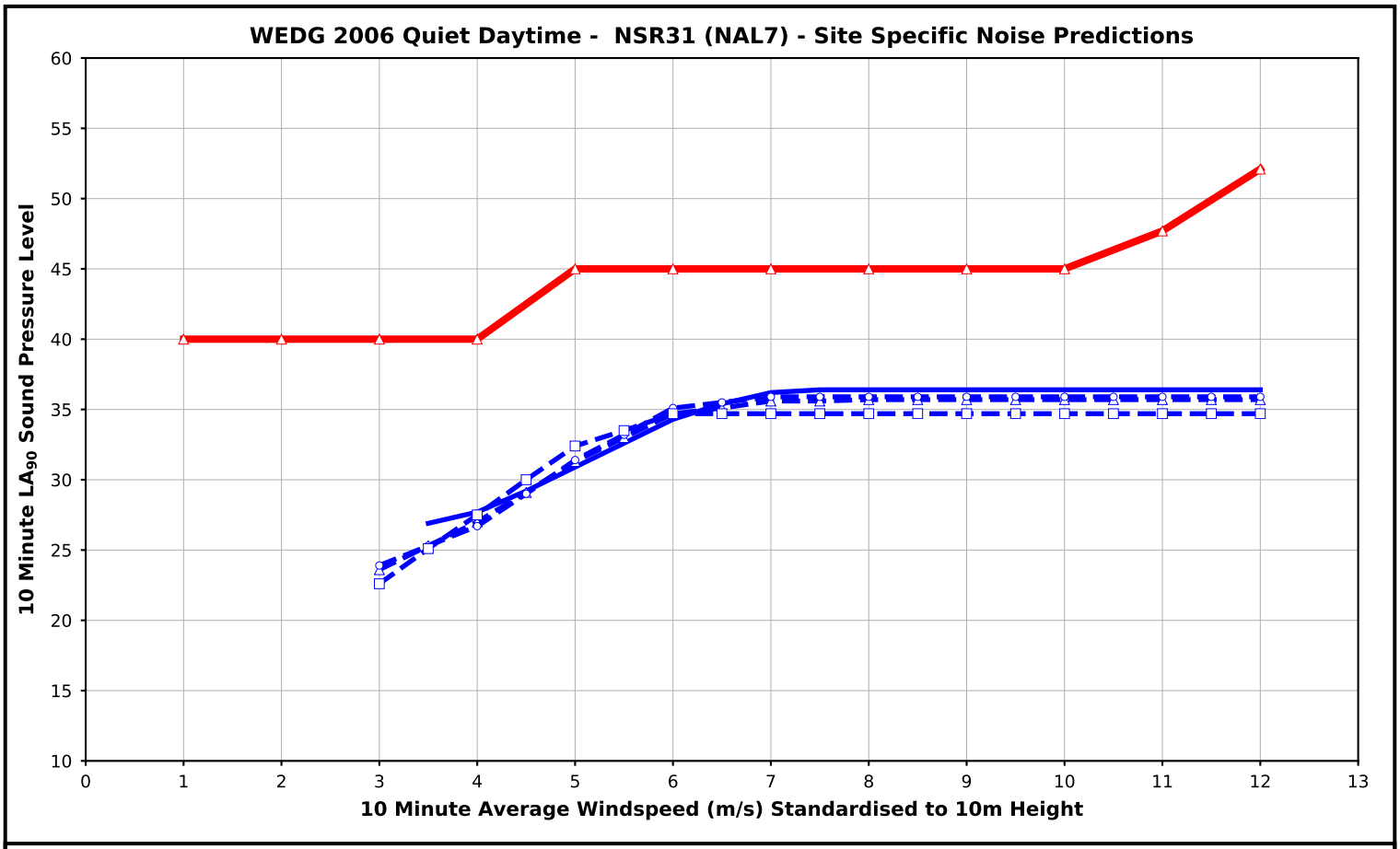
WEDG 2006 Night Time - NSR10 (NAL6) - Site Specific Noise Predictions

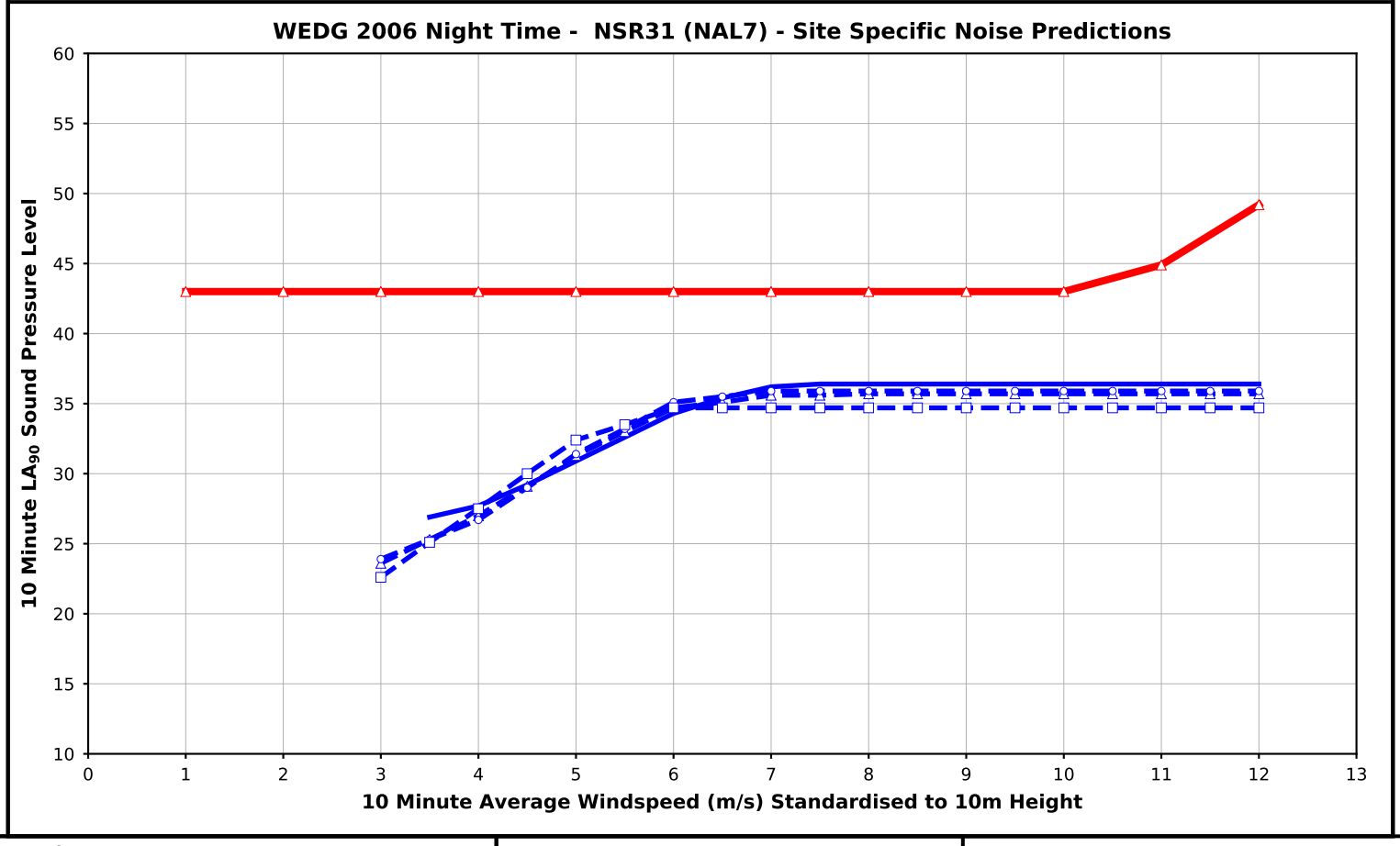


Legend:

- Total ETSU-R-97 Noise Limits
- Site Specific Noise Limits
- Proposed Development - V162
- Proposed Development - V150
- Proposed Development - GE158
- Proposed Development - SG155

Project:	Cooloo Wind Farm
Client:	MKO (The Client)
Title:	Site Specific Noise Assessment
Figure Number:	A1.4f
Scale:	NA
Drawn	JB
Checked:	JM
Date:	11/07/2025
Document Reference:	IE15-002



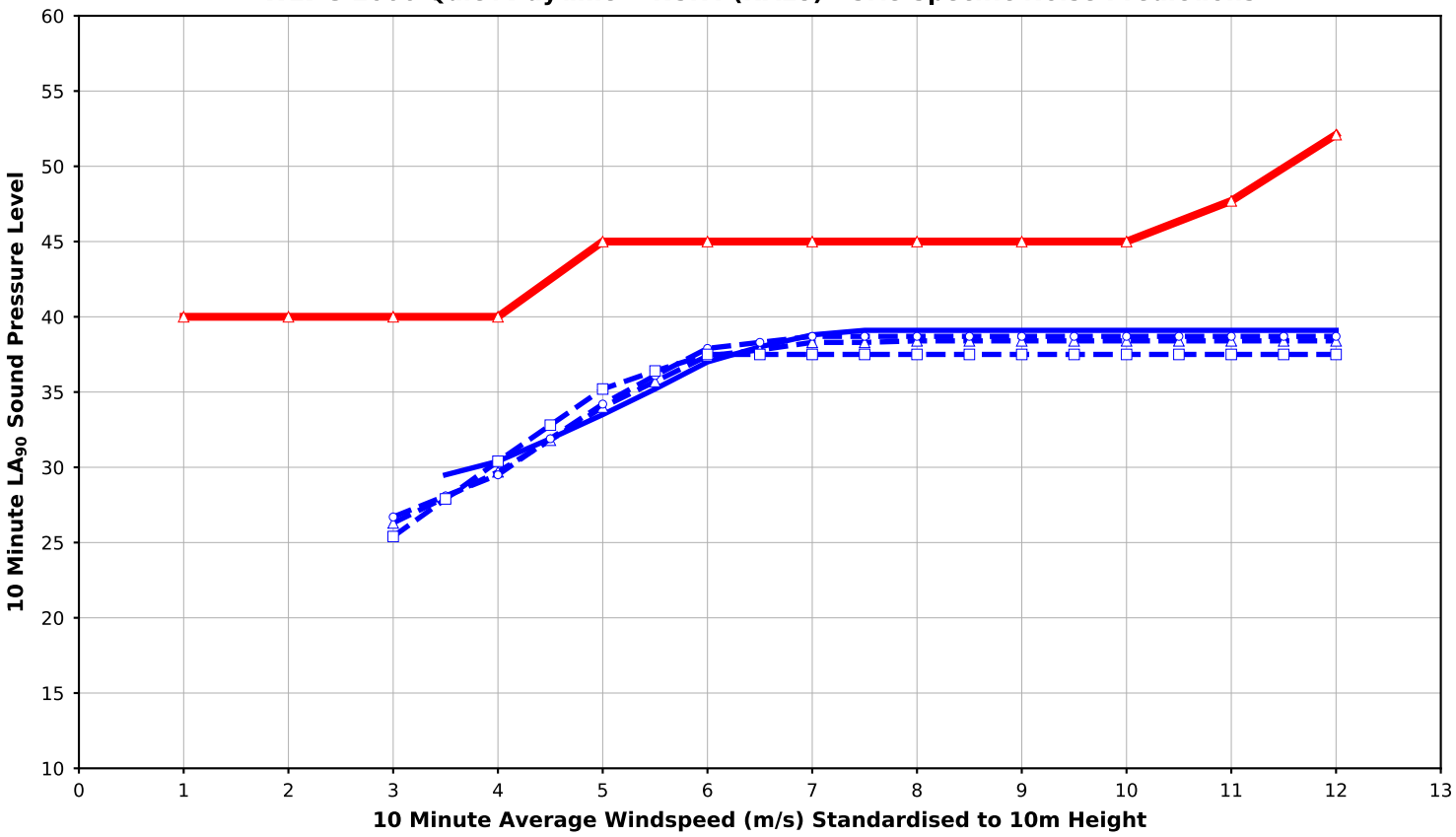


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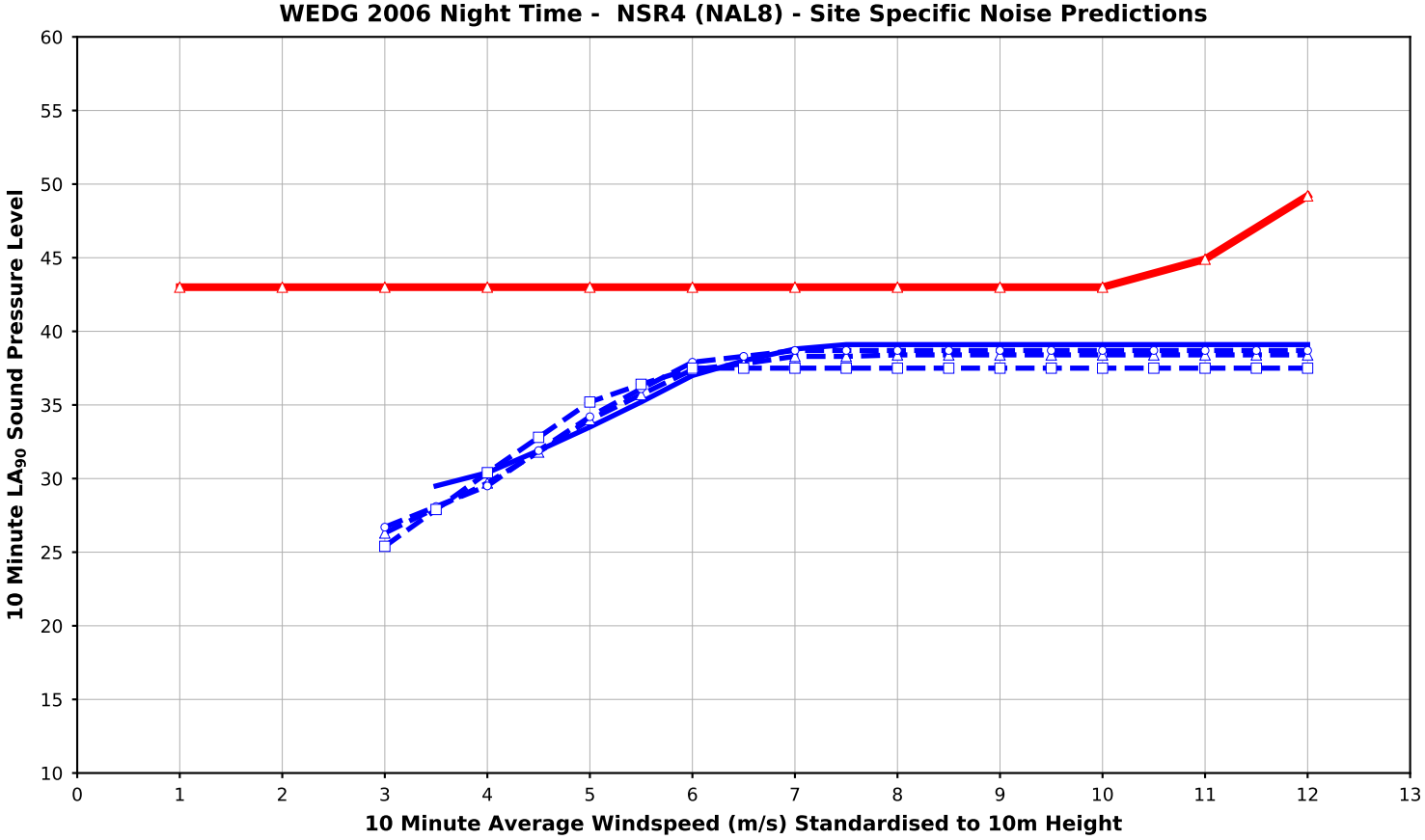
- Total ETSU-R-97 Noise Limits
- Site Specific Noise Limits
- Proposed Development - V162
- Proposed Development - V150
- Proposed Development - GE158
- Proposed Development - SG155

Project:	Cooloo Wind Farm
Client:	MKO (The Client)
Title:	Site Specific Noise Assessment
Figure Number:	A1.4g
Scale:	NA
Drawn	JB
Checked:	JM
Date:	11/07/2025
Document Reference:	IE15-002

WEDG 2006 Quiet Daytime - NSR4 (NAL8) - Site Specific Noise Predictions



WEDG 2006 Night Time - NSR4 (NAL8) - Site Specific Noise Predictions

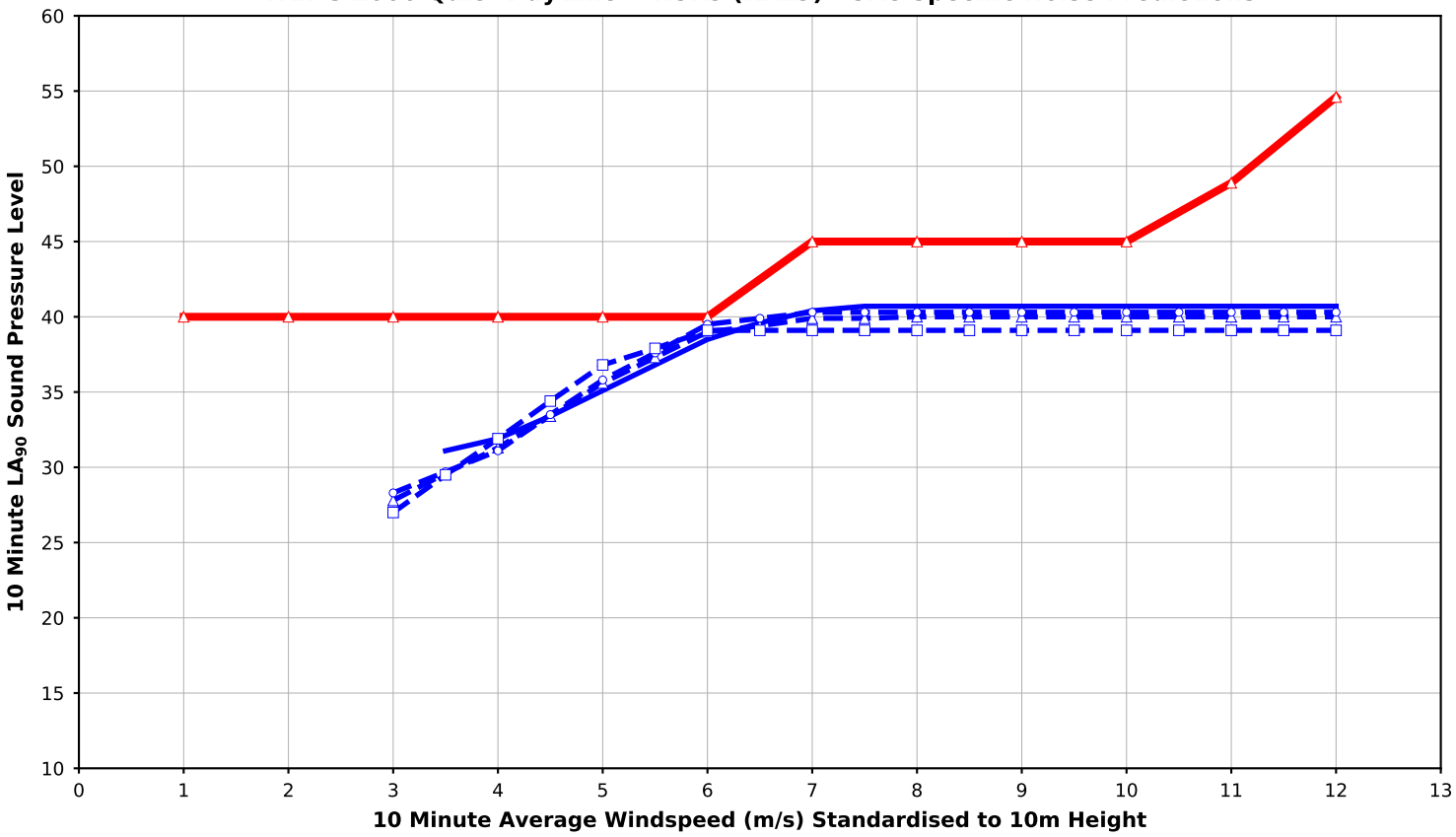


Legend:

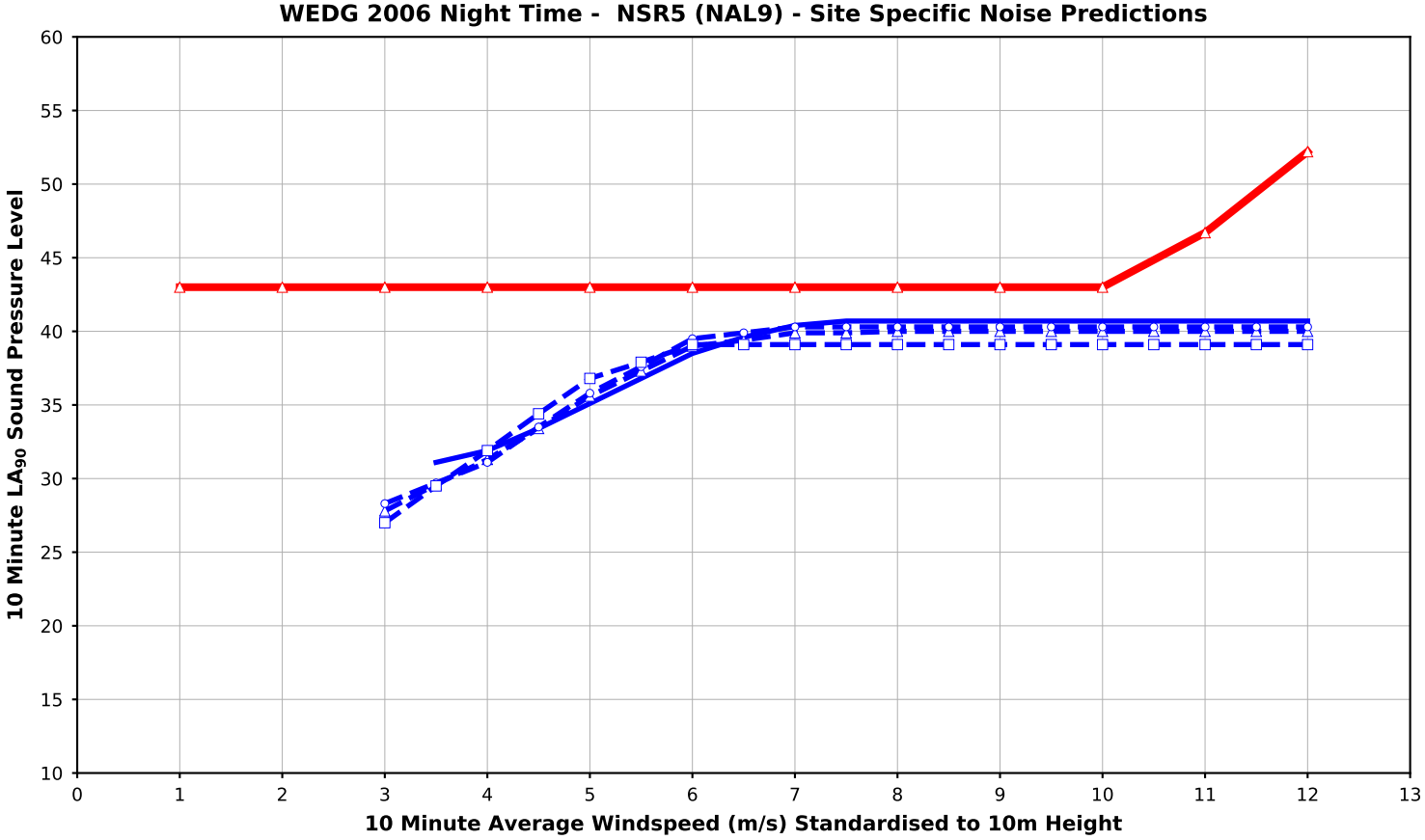
- Total ETSU-R-97 Noise Limits
- Site Specific Noise Limits
- Proposed Development - V162
- Proposed Development - V150
- Proposed Development - GE158
- Proposed Development - SG155

Project:	Cooloo Wind Farm
Client:	MKO (The Client)
Title:	Site Specific Noise Assessment
Figure Number:	A1.4h
Scale:	NA
Drawn	JB
Checked:	JM
Date:	11/07/2025
Document Reference:	IE15-002

WEDG 2006 Quiet Daytime - NSR5 (NAL9) - Site Specific Noise Predictions



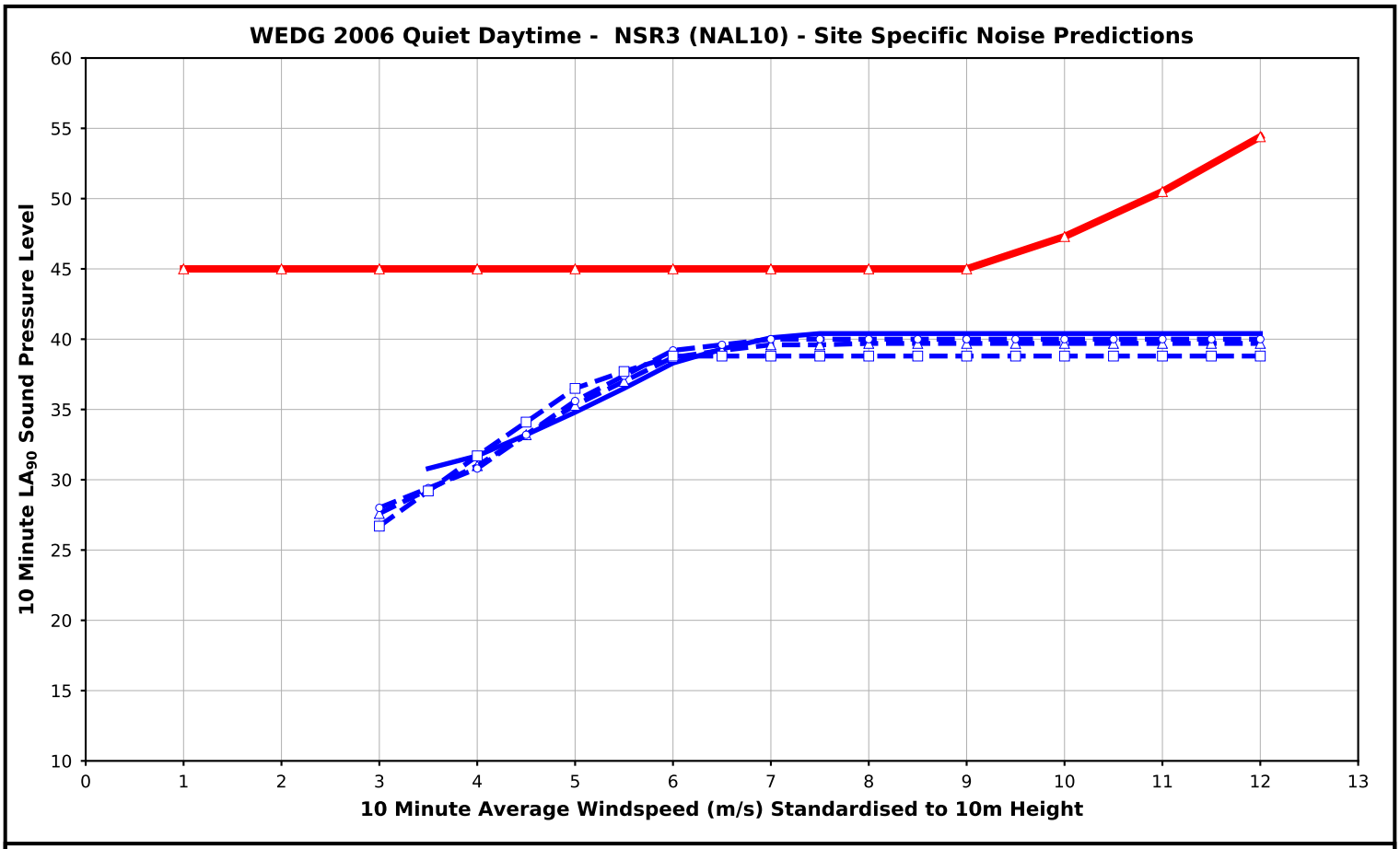
WEDG 2006 Night Time - NSR5 (NAL9) - Site Specific Noise Predictions

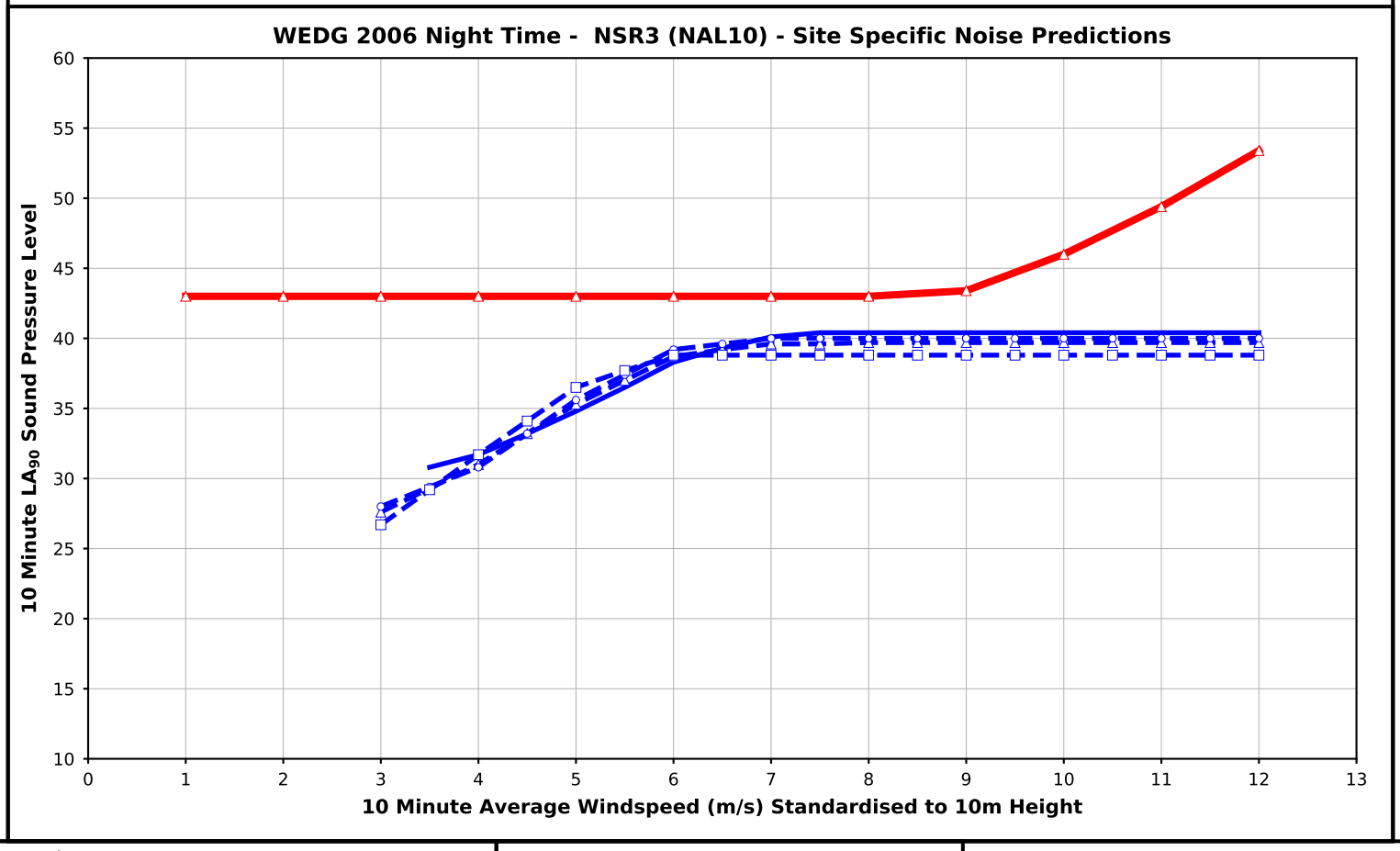


Legend:

- Total ETSU-R-97 Noise Limits
- Site Specific Noise Limits
- Proposed Development - V162
- Proposed Development - V150
- Proposed Development - GE158
- Proposed Development - SG155

Project:	Cooloo Wind Farm
Client:	MKO (The Client)
Title:	Site Specific Noise Assessment
Figure Number:	A1.4i
Scale:	NA
Drawn	JB
Checked:	JM
Date:	11/07/2025
Document Reference:	IE15-002





Legend:

- Total ETSU-R-97 Noise Limits
- Site Specific Noise Limits
- Proposed Development - V162
- Proposed Development - V150
- Proposed Development - GE158
- Proposed Development - SG155

Project:	Cooloo Wind Farm
Client:	MKO (The Client)
Title:	Site Specific Noise Assessment
Figure Number:	A1.4j
Scale:	NA
Drawn	JB
Checked:	JM
Date:	11/07/2025
Document Reference:	IE15-002

Annex 2 – Field Data Sheets / Installation Report

Cooloo Wind Farm Noise Survey - Installed Noise Monitoring Locations



Present during the course of the installation:

- Colum Breslin, TNEI Ireland Ltd

Unless specified, all noise meters were installed at least 3.5 m from any hard-reflecting surface except the ground and less than 20 m from the dwelling and away from obvious noise sources, such as boiler flues.

Detailed information and pictures for each of the installed locations are provided below. The original full-size pictures are available on request.

Noise Monitoring Location (NML) - Latitude/ Longitudes

NML	Lat Long
NML01	53.482757”N, -8.645715”W
NML02	53.498278”N, -8.640010”W
NML03	53.509031”N, -8.677764”W
NML04	53.496962”N, -8.681006”W
NML05	53.486001”N, -8.692936”W
NML06	53.470640”N, -8.688897”W
NML07	53.474628”N, -8.662551”W

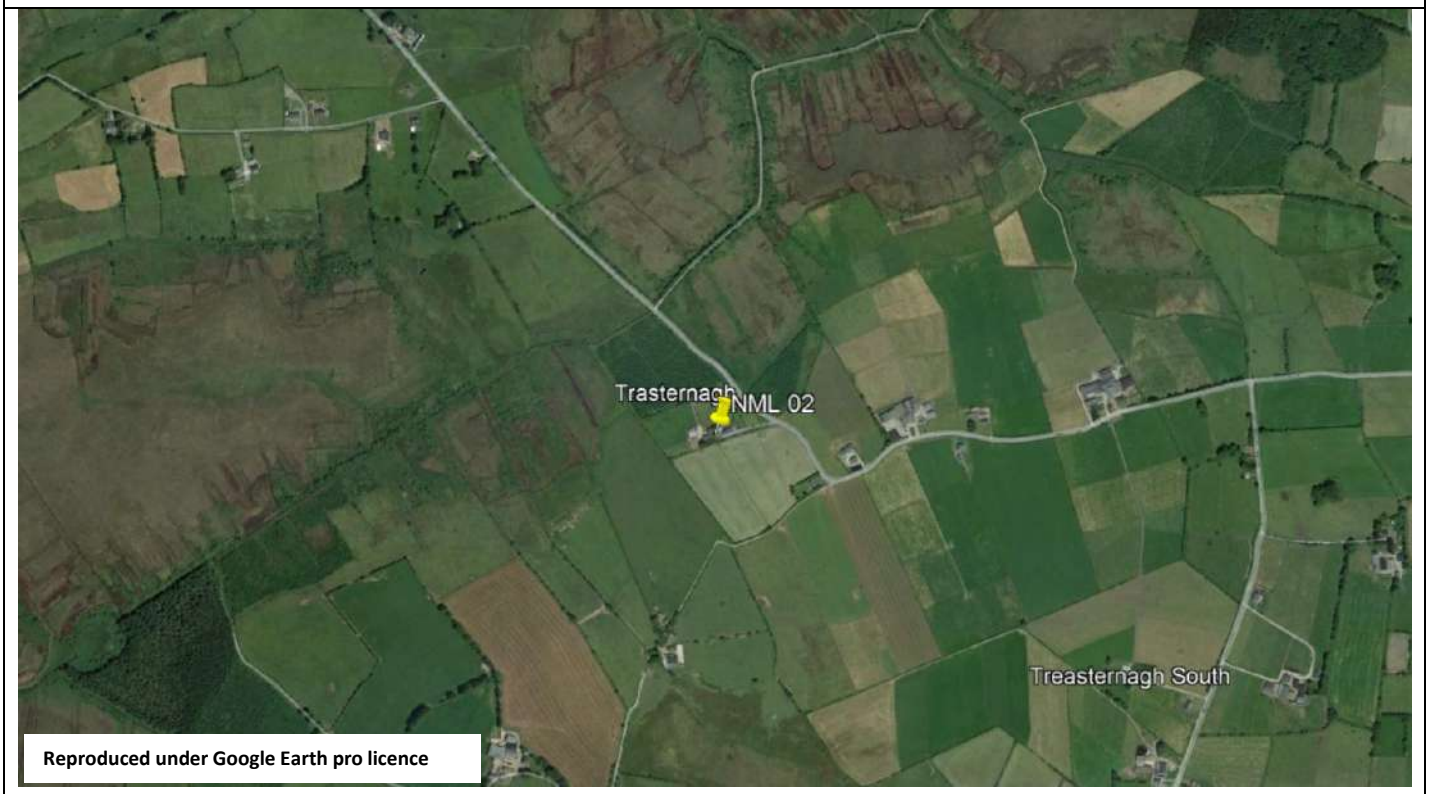
NML01



North	South
	
East	**West**
	

Description
The noise monitoring equipment was installed to the east of the property. The location was chosen due to its proximity to the east of the proposed development. The kit was positioned in what was considered to be a representative residential amenity area, between the households back garden and sheep farm . The predominant sounds that were audible during the installation were from road traffic, birdsong and wind induced noise from the vegetation and trees. Other than this, was a quiet location. The noise meter was located in a free field position, greater than 3.5m from any hard reflecting surface except the ground and the small stone wall.

NML02



North	South
	
East	**West**
	

Description
The noise monitoring equipment was installed in front of the property which was east of the house. The location was chosen due to its proximity to the east of the proposed development, and was seen to be representative of other properties in the surrounding area. The predominant sounds that were audible during the installation were from birdsong, dog barking and wind induced noise from the vegetation and trees. Otherwise, a very quiet location. The noise meter was located in a free field position, greater than 3.5m from any hard reflecting surface except the ground.

NML03



North	South
	
East	**West**
	

Description
The noise monitoring equipment was installed in the amenity area which is located to the south-west of the property. The location was chosen due to its proximity to the north of the proposed development, and was also seen to be representative of the other properties in the area to the north, east and west of the property. The predominant sounds that were audible during the installation were from cattle lowing and birdsong. There is an active farm adjacent with many cows to the south of the property. The noise meter was located in a free field position, greater than 3.5m from any hard reflecting surface except the ground and wooden fencing.

NML04



Reproduced under Google Earth pro licence

North	South
	
East	**West**
	

Description
The noise monitoring equipment was installed to the east of the property. The location was chosen due to its proximity to the west of the proposed development. The predominant sounds that were audible during the installation were from wind induced noise from the surrounding vegetation and trees and cattle lowing in the adjacent field. The other main source of noise was birdsong. The back garden does include a children's play area; swings, trampoline, etc. The noise meter was located on a grass patch area adjacent to the property and away from the raised garden area, greater than 3.5m from any hard reflecting surface except the ground. A rain gauge was installed at this location.

NML05



North	South
	
East	**West**
	

Description
The noise monitoring equipment was installed to the north of the property. The equipment was placed away from the barn, workshop and clothes lines. The location was chosen due to its proximity to the west of the proposed development. The predominant sounds that were audible during the installation were from birdsong, wind induced noise form the vegetation and trees and cars passing. Loud construction noises from neighbour; chainsaw and hammering. The noise meter was located in a free field position, greater than 3.5m from any hard reflecting surface except the ground.

NML06



Reproduced under Google Earth pro licence

North	South
	
East	**West**
	

Description
The noise monitoring equipment was installed to the north of the property. The property has many farm fields in the surrounding environment. The location was chosen due to its proximity to the south-west of the proposed development, and was also seen to be representative of the other properties further south-west. The predominant sounds that were audible during the installation were from road traffic, birdsong, rustling from the nearby vegetation. Regarding the road traffic, this was quite loud and constant. The noise meter was located in a free field position, greater than 3.5m from any hard reflecting surface except the ground. A rain gauge was installed at this location.

NML07



North	South
	
East	**West**
	

Description
The noise monitoring equipment was installed to the south of the property in a location considered to provide representative data. The kit was in the amenity area beside the open farmyard. The location was chosen due to its proximity to the south of the proposed development, and was also seen to be representative of the other properties further south. The predominant sounds that were audible during the installation were from birdsong, wind induced noise from the vegetation and trees. Secondary noises were from farming activity in the distance. The noise meter was located in a free field position, greater than 3.5m from any hard reflecting surface except the ground.

Noise Monitoring Field Data Sheet

Project Title	Cooloo Wind Farm	**Project Number**	IE00015
Client	MKO	**Surveyor**	CB

MONITORING LOCATION

Location Name	Noise Monitoring Location 1 (NML1)
Description	The noise monitoring equipment was installed in the residence's amenity area, away from vegetation and located near the wind farm. The kit was placed greater than 3.5 m away from any reflective surfaces (excluding the ground).
Approximate ITM Grid Reference	557141, 748275
Noise sources noted during installation, weekly inspection and removal	Agricultural noise, distant road traffic noise and wind through vegetation were all present during the survey.

NOISE MONITORING EQUIPMENT DETAILS

	Kit Number	Model	Serial Number	Last Calibrated/ Conformance Checked
Sound Level Meter	SLM19	NL-31	00593595	23/07/2022
Pre Amplifier	N/A	NH-21	30357	23/07/2022
Microphone	N/A	UC53A	313300	23/07/2022
Calibrator	Cal003	NC-74	35173441	01/04/2022

NOISE MONITORING EQUIPMENT SETTINGS

	Network (A,B,Z)	Index and Time	Time Weighting (Slow, Fast)	Range (dB)	Audio
Parameters Recorded	A	$L_{A9010min}$, $L_{Aeq10min}$	Fast	20-110	No

DATA

File Name	Start Time	End Time	Cal. at Start	Cal. at End	Drift	Observations
0101	11:30 7/10/22	14:10 03/11/22	94.0	93.8	-0.2	Installation – raining all day
0102	14:20 03/11/22	09:20 30/11/22	94.0	93.9	-0.1	A lot of agricultural activity from surrounding farms. Cows lowing and birdsong constant
0103	09:50 30/11/22	12:20 05/01/222	94.0	94.0	0.0	Distant road traffic noise, some birdsong, otherwise very quiet. Decommissioning - Very windy and wet. Wind through vegetation and trees was loud, birdsong present.

Noise Monitoring Field Data Sheet

Project Title	Cooloo Wind Farm	**Project Number**	IE00015
Client	MKO	**Surveyor**	CB

MONITORING LOCATION

Location Name	Noise Monitoring Location 2 (NML2)
Description	The noise monitoring equipment was installed in the residence's amenity area, away from vegetation and boiler flue. The kit was placed greater than 3.5 m away from any reflective surfaces (excluding the ground).
Approximate ITM Grid Reference	557535, 749999
Noise sources noted during installation, weekly inspection and removal	Agricultural noise, birdsong and wind through vegetation were the most prominent noise sources noted during the survey.

NOISE MONITORING EQUIPMENT DETAILS

	Kit Number	Model	Serial Number	Last Calibrated/ Conformance Checked
Sound Level Meter	SLM12	NL-31	01273087	16/04/2021
Pre Amplifier	N/A	NH-21	26006	16/04/2021
Microphone	N/A	UC53A	313365	16/04/2021
Calibrator	Cal003	NC-74	35173441	01/04/2022

NOISE MONITORING EQUIPMENT SETTINGS

	Network (A,B,Z)	Index and Time	Time Weighting (Slow, Fast)	Range (dB)	Audio
Parameters Recorded	A	$L_{A9010min}$, $L_{Aeq10min}$	Fast	20-110	No

DATA

File Name	Start Time	End Time	Cal. at Start	Cal. at End	Drift	Observations
0201	11:10 7/10/22	11:50 03/11/22	94.0	93.9	-0.1	Installation – distant farm activity, cars passing by generating small amount of noise along with sounds of the trees and vegetation and birdsong.
0202	12:00 03/11/22	09:50 30/11/22	94.0	93.9	-0.1	Birdsong audible, otherwise very quiet.
0203	10:10 30/11/22	10:50 05/01/222	94.0	94.2	0.2	Quiet again with some birdsong and a dog barking. Decommissioning - Very windy and wet. Wind through vegetation and trees was loud.

Noise Monitoring Field Data Sheet

Project Title	Cooloo Wind Farm	**Project Number**	IE00015
Client	MKO	**Surveyor**	CB

MONITORING LOCATION

Location Name	Noise Monitoring Location 3 (NML3)
Description	The noise monitoring equipment was installed in the residence's amenity area. The kit was placed greater than 3.5 m away from any reflective surfaces (excluding the ground).
Approximate ITM Grid Reference	555042, 751218
Noise sources noted during installation, weekly inspection and removal	Agricultural noise, birdsong and wind through vegetation were the most prominent noise sources noted during the survey.

NOISE MONITORING EQUIPMENT DETAILS

	Kit Number	Model	Serial Number	Last Calibrated/ Conformance Checked
Sound Level Meter	SLM11	NL-31	01273082	16/04/2021
Pre Amplifier	N/A	NH-21	26001	16/04/2021
Microphone	N/A	UC53A	313385	16/04/2021
Calibrator	Cal003	NC-74	35173441	01/04/2022

NOISE MONITORING EQUIPMENT SETTINGS

	Network (A,B,Z)	Index and Time	Time Weighting (Slow, Fast)	Range (dB)	Audio
Parameters Recorded	A	$L_{A9010min}$, $L_{Aeq10min}$	Fast	20-110	No

DATA

File Name	Start Time	End Time	Cal. at Start	Cal. at End	Drift	Observations
0301	12:40 7/10/22	12:20 03/11/22	94.0	93.9	-0.1	Installation – Noise generated by cars passing location frequently. Aircraft overhead. Cows in field adjacent. Birdsong and wind through trees and vegetation.
0302	12:30 03/11/22	10:20 30/11/22	94.0	94.0	0.0	Birdsong audible, otherwise very quiet.
0303	10:40 30/11/22	11:10 05/01/222	94.0	94.1	0.1	Decommissioning - Very windy and wet. Wind through vegetation and trees prominent.

Noise Monitoring Field Data Sheet

Project Title	Cooloo Wind Farm	**Project Number**	IE00015
Client	MKO	**Surveyor**	CB

MONITORING LOCATION

Location Name	Noise Monitoring Location 4 (NML4)
Description	The noise monitoring equipment was installed in the residence's amenity (play) area. The kit was placed greater than 3.5 m away from any reflective surfaces (excluding the ground).
Approximate ITM Grid Reference	554814, 749877
Noise sources noted during installation, weekly inspection and removal	Noise from the farm adjacent to the kit was prominent throughout the survey. Birdsong and wind through vegetation were the other most common noise sources noted during the survey.

NOISE MONITORING EQUIPMENT DETAILS

	Kit Number	Model	Serial Number	Last Calibrated/ Conformance Checked
Sound Level Meter	SLM06	NL-32	00482652	06/01/2022
Pre Amplifier	N/A	NH-21	27756	06/01/2022
Microphone	N/A	UC53A	314027	06/01/2022
Calibrator	Cal003	NC-74	35173441	01/04/2022
Rain Gauge	RG14	N/A	N/A	N/A

NOISE MONITORING EQUIPMENT SETTINGS

	Network (A,B,Z)	Index and Time	Time Weighting (Slow, Fast)	Range (dB)	Audio
Parameters Recorded	A	$L_{A9010min}$, $L_{Aeq10min}$	Fast	20-110	No

DATA

File Name	Start Time	End Time	Cal. at Start	Cal. at End	Drift	Observations
0401	11:50 7/10/22	12:45 03/11/22	94.0	93.9	-0.1	Installation – Cattle located next to the garden were very loud. There was a workshop also situated beside the garden. Wind through vegetation and trees was loud. Birdsong was present.
0402	12:50 03/11/22	10:50 30/11/22	94.0	93.8	-0.2	Humming noise heard from the barn beside the kit. Cattle now present in the barn more often. Farm machinery also present next to the garden. Cars passing by frequently. Birdsong was present.
0403	11:10 30/11/22	11:30 05/01/23	94.0	94.0	0.0	Barn was being cleaned with a power hose. Cars passing by infrequently. Birdsong was present. Decommissioning - No noise from cattle. Dog barking. Cars passing by were loud, wind through trees was also very loud.

Noise Monitoring Field Data Sheet

Project Title	Cooloo Wind Farm	**Project Number**	IE00015
Client	MKO	**Surveyor**	CB

MONITORING LOCATION

Location Name	Noise Monitoring Location 5 (NML5)
Description	The noise monitoring equipment was installed in the residence's amenity area in an open space on the side nearest the wind farm. The kit was placed away from a clothes horse and placed greater than 3.5 m away from any reflective surfaces (excluding the ground).
Approximate ITM Grid Reference	554010, 748665
Noise sources noted during installation, weekly inspection and removal	The neighbouring residence was noted to generate noise during the survey. Traffic noise was present from cars passing by. Birdsong and wind through vegetation were the other most common noise sources noted during the survey.

NOISE MONITORING EQUIPMENT DETAILS

	Kit Number	Model	Serial Number	Last Calibrated/ Conformance Checked
Sound Level Meter	SLM01	NL-32	00661767	06/01/2022
Pre Amplifier	N/A	NH-21	19771	06/01/2022
Microphone	N/A	UC53A	310458	06/01/2022
Calibrator	Cal003	NC-74	35173441	01/04/2022

NOISE MONITORING EQUIPMENT SETTINGS

	Network (A,B,Z)	Index and Time	Time Weighting (Slow, Fast)	Range (dB)	Audio
Parameters Recorded	A	$L_{A9010min}$, $L_{Aeq10min}$	Fast	20-110	No

DATA

File Name	Start Time	End Time	Cal. at Start	Cal. at End	Drift	Observations
0501	13:50 7/10/22	13:05 03/11/22	94.0	93.9	-0.1	Installation – Noise from chainsaw was constant from the neighbouring residence. There was also noise generated from cars passing the kit. Birdsong was loud. Windy conditions.
0502	13:20 03/11/22	11:15 30/11/22	94.0	93.9	-0.1	Construction noise from neighbouring residence. Noise also present from cars passing by and birdsong.
0503	11:30 30/11/22	11:50 05/01/222	94.0	94.1	+0.1	Very quiet conditions. Birdsong and distant traffic noise can be heard. Decommissioning - Very windy and wet conditions. Distant traffic noise and dog barking. Wind induced noise coming from the barn.

Noise Monitoring Field Data Sheet

Project Title	Cooloo Wind Farm	**Project Number**	IE00015
Client	MKO	**Surveyor**	CB

MONITORING LOCATION

Location Name	Noise Monitoring Location 6 (NML6)
Description	The noise monitoring equipment was installed in the residence's amenity area in an open space on the side nearest the wind farm. The kit was placed greater than 3.5 m away from any reflective surfaces (excluding the ground).
Approximate ITM Grid Reference	554262, 746953
Noise sources noted during installation, weekly inspection and removal	Traffic noise from the national road was the dominant source of noise during the survey. Cattle were also present immediately adjacent to the kit.

NOISE MONITORING EQUIPMENT DETAILS

	Kit Number	Model	Serial Number	Last Calibrated/ Conformance Checked
Sound Level Meter	SLM18	NL-31	01283554	04/08/2021
Pre Amplifier	N/A	NH-21	29311	04/08/2021
Microphone	N/A	UC53A	315581	04/08/2021
Calibrator	Cal003	NC-74	35173441	01/04/2022
Rain Gauge	RG03			

NOISE MONITORING EQUIPMENT SETTINGS

	Network (A,B,Z)	Index and Time	Time Weighting (Slow, Fast)	Range (dB)	Audio
Parameters Recorded	A	$L_{A9010min}$, $L_{Aeq10min}$	Fast	20-110	No

DATA

File Name	Start Time	End Time	Cal. at Start	Cal. at End	Drift	Observations
0601	14:20 7/10/22	13:30 03/11/22	94.0	93.8	-0.2	Installation – Traffic passing by the kit was very loud and fairly constant. Cattle were immediately beside the kit in the field. Birdsong present. Very windy conditions.
0602	13:40 03/11/22	11:30 30/11/22	94.0	94.1	+0.1	Traffic noise was again loud and constant. Birdsong and dogs barking also present.
0603	11:50 30/11/22	11:40 05/01/222	94.0	94.1	+0.1	Noise from dogs barking and cattle adjacent. Noise generated from the national road. Meter reads approximately 50-60 dB when cars pass by, which is frequently. Windy conditions.

Noise Monitoring Field Data Sheet

Project Title	Cooloo Wind Farm	**Project Number**	IE00015
Client	MKO	**Surveyor**	CB

MONITORING LOCATION

Location Name	Noise Monitoring Location 7 (NML7)
Description	The noise monitoring equipment was installed in the residence's amenity area in an open space. The kit was placed greater than 3.5 m away from any reflective surfaces (excluding the ground).
Approximate ITM Grid Reference	556015, 747381
Noise sources noted during installation, weekly inspection and removal	Noise generated from animals and agricultural machinery were the most common noise sources noted during the survey.

NOISE MONITORING EQUIPMENT DETAILS

	Kit Number	Model	Serial Number	Last Calibrated/ Conformance Checked
Sound Level Meter	SLM39	NL52	976254	29/07/2021
Pre Amplifier	N/A	NH25	76371	29/07/2021
Microphone	N/A	UC59	12188	29/07/2021
Calibrator	Cal003	NC-74	35173441	01/04/2022

NOISE MONITORING EQUIPMENT SETTINGS

	Network (A,B,Z)	Index and Time	Time Weighting (Slow, Fast)	Range (dB)	Audio
Parameters Recorded	A	$L_{A9010min}$, $L_{Aeq10min}$	Fast	20-110	No

DATA

File Name	Start Time	End Time	Cal. at Start	Cal. at End	Drift	Observations
0701	14:50 7/10/22	13:50 03/11/22	94.0	94.0	0.0	Installation – Very windy and rainy conditions. Noise through vegetation and trees. Alpacas in field adjacent.
0702	14:00 03/11/22	11:50 30/11/22	94.0	94.1	+0.1	Dogs barking. Tractor noise from farm. Very large amount of crows generating a lot of noise.
0703	12:10 30/11/22	12:00 05/01/222	94.0	94.1	+0.1	Lots of JCB activity from farmer moving material. Many birds in surrounding trees – very noisy. Dog constantly barking.

Annex 3 – Calibration/ Conformance Certificates for Sound Level Meters and Calibrator

NSAI

National Metrology Laboratory

Certificate of Calibration

Issued to	TNEI Ireland Limited Unit S12 Synergy Centre Technological University Campus Tallaght Dublin 24
Attention of	Ewan Watson

Certificate Number	221332
Item Calibrated	RION NC-74 Sound Level Calibrator
Serial Number	35173441
ID Number	None
Order Number	6
Date Received	24 Mar 2022
NML Procedure Number	AP-NM-13
Method	The above calibrator was allowed to stabilize for a suitable period in laboratory conditions. It was then calibrated by measuring the sound pressure level generated in its measuring cavity. The calibrator's operating frequency was also measured.
Calibration Standards	Norsonic 1504A Calibration System incorporating: Agilent 34401A Digital Multimeter, File No. 0736 [Cal Due: 10 Jun 2022] B & K 4134 Measuring Microphone, File No. 0744 [Cal Due: 03 Jun 2023] B & K 4228 Pistonphone, File No. 0740 [Cal Due: 04 Jun 2023]

Calibrated by	David Fleming	**Approved by**	Paul Hetherington
Date of Calibration	01 Apr 2022	**Date of Issue**	01 Apr 2022

CIPM MRA

This certificate is consistent with Calibration and Measurement Capabilities (CMC's) that are included in Appendix C of the Mutual Recognition Arrangement (MRA) drawn up by the International Committee for Weights and Measures. Under the MRA, all participating institutes recognize the validity of each other's calibration certificates and measurement reports for quantities, ranges and measurement uncertainties specified in Appendix C (for details see www.bipm.org)

Standard Terms & Conditions for Calibration, Testing and Consultancy Assignments

1. Reports issued by the National Metrology Laboratory Division of NSAI are copyright to NSAI and shall not be used, either in whole or in part, for the purposes of advertising, publicity or litigation without the written consent of the Chief Executive or his nominee.
2. No action or legal proceeding shall be taken (except in the case of wilful neglect or default) against NSAI or the Board or any member of the Board or any committee appointed by the Board or any officer or servant of NSAI, by reason of or arising out of the carrying out of any research, investigation, test or analysis or the publication of the results thereof in the name of NSAI.
3. NSAI will not release any information received from or provided to the client in relation to this report except as may be required by law, including the Freedom of Information Act 1997, or as specified by the client.
4. This certificate relates only to the item(s) described on the front page and shall not be reproduced, except in full.
5. This contract is governed by the laws of Ireland whose courts shall have exclusive jurisdiction.

Decision Rule and Compliance Statement

The rule that describes how measurement uncertainty is accounted for when stating conformity with a specified requirement is known as a decision rule. The rule used by NSAI NML follows the guidelines set out in the document ILAC-G8:09/2019 published by the International Laboratory Accreditation Co-operation. Further information on the decision rule is available on the NSAI website:
(https://www.nsai.ie/images/uploads/metrology/Decision_Rule.pdf).

The symbols used to indicate the state of compliance of the instrument calibration and their meanings are given in the following table.

Statement of compliance and associated symbol	Description
PASS	The absence of a symbol indicates that the measurement result is inside the specification limit by a margin greater than its associated expanded uncertainty; the instrument meets its accuracy specification.
Conditional PASS Symbol: £	The measurement result is inside the specification limit by a margin less than or equal to its associated expanded measurement uncertainty; it is therefore not possible to state compliance. There is a risk that the instrument fails to meet its specification.
Conditional FAIL Symbol: &	The measurement result is on the specification limit or is outside the specification limit by a margin less than or equal to its associated expanded measurement uncertainty; it is therefore not possible to state non-compliance.
FAIL Symbol: $	The measurement result is outside the specification limit by a margin greater than its associated measurement uncertainty; the instrument fails to meet its accuracy specification.
Unc. > Spec Symbol: #	The expanded measurement uncertainty is greater than the instrument's accuracy specification. It is not possible to determine compliance or otherwise with the specification. The user should expand the in-use accuracy specification to make allowance for the calibration uncertainty.
Outside CIPM MRA Symbol: ¢	Indicates that the calibration result is traceable to SI units but is not currently included in the table of NSAI NML's calibration and measurement capabilities approved under the CIPM MRA.

Where no specification exists, and none is prescribed by the client, the Decision Rule policy of the NSAI NML does not apply and results are provided without a statement of compliance.

Measuring Conditions:

Ambient Pressure:	(102.0 ± 0.5) kPa
Ambient Temperature:	(21.5 ± 1.0) °C
Ambient Rel. Humidity:	(32 ± 5) %RH

Results:

The measured sound pressure levels (SPL) reported below refer to the ambient laboratory conditions at the time of calibration.

Calibrator Setting	Measured Parameter	Measured Value (1)		Tolerance (3)	Meas. Uncertainty
		Before Adj.	After Adj.	(±)	(±)
94 dB	Sound Pressure Level(2)	93.95 dB	*	0.40 dB	0.15 dB
	Frequency	1001.8 Hz	*	10 Hz	0.25 Hz

Notes: (1) * indicates that no calibration adjustment was made.
(2) The measured sound pressure level was that generated in the calibrator's cavity when loaded by the microphone specified on page 1 of this certificate (including protection grid).
(3) Tolerance limits set out in IEC 60942:2003, Sound Calibrators, Class 1.

Comments:

Where used in the results table, further information on the meaning of symbols is given in the table on page 2 of this certificate.

The instrument was found to comply with the requirements of IEC 60942 (2003), Class 1, for the sound pressure level and frequency outputs measured at the time of calibration.

Note that for acoustic calibrators which meet IEC 60942 (2003), the instrument is considered out of tolerance if the measured deviation from the set level, extended by it associated uncertainty, exceeds the specified tolerance limits.

Note that the measured values refer to the ambient conditions given above.

When using the calibrator with a sound level meter any manufacturer's guidelines regarding free-field corrections should be observed.

The reported measurement results are traceable, via national standards maintained by NSAI National Metrology Laboratory (NML) or by other national metrology institutes, to internationally accepted realisations of the SI units.

The reported expanded uncertainty is based on the standard uncertainty multiplied by a coverage factor $k = 2$ which, for a normal probability distribution, corresponds to a coverage probability of approximately 95%. It has been determined in accordance with the "Guide to the Expression of Uncertainty in Measurement (GUM)". These uncertainties apply only to the measured values and do not carry any implication regarding the long-term stability of the instrument.

NSAI

National Metrology Laboratory

Certificate of Calibration

Issued to	TNEI Ireland Limited Unit S12 Synergy Centre Technological University Dublin Campus Tallaght Dublin D24 A386
Attention of	Ewan Watson

Certificate Number	**215237**
Item Calibrated	Rion NL-32 Sound Level Meter, complete with Rion UC53A Microphone
Serial Numbers	00661767 (Sound Level Meter) and 310458 (Microphone)
ID Number	SLM001
Order Number	4
Date Received	14 Dec 2021
NML Procedure Number	AP-NM-09
Method	The above sound level meter was allowed to stabilise for a suitable period in laboratory conditions. It was then calibrated by carrying out the verification tests detailed in IEC 61672-3 (2006), *Periodic tests, specification for the verification of sound level meters*. This standard specifies a procedure for the periodic verification of conformance of a sound level meter or integrating-averaging meter to IEC 61672-1 (2003).
Calibration Standards	Norsonic 1504A Calibration System incorporating: SR DS360 Signal Generator, No. 0735 [Cal Due Date: 10 Jun 2022] Agilent 34401A Digital Multimeter, No. 0736 [Cal Due Date: 10 Jun 2022] B&K 4134 Measuring Microphone, No. 0744 [Cal Due Date: 03 Jun 2023] B&K 4228 Pistonphone, No. 0740 [Cal Due Date: 04 Jun 2023] B&K 4226 Acoustical Calibrator, No. 0150 [Cal Due Date: 07 Oct 2022]

Calibrated by	David Fleming	**Approved by**	Paul Hetherington
Date of Calibration	06 Jan 2022	**Date of Issue**	06 Jan 2022

CIPM MRA

This certificate is consistent with Calibration and Measurement Capabilities (CMC's) that are included in Appendix C of the Mutual Recognition Arrangement (MRA) drawn up by the International Committee for Weights and Measures. Under the MRA, all participating institutes recognize the validity of each other's calibration certificates and measurement reports for quantities, ranges and measurement uncertainties specified in Appendix C (for details see www.bipm.org)

Standard Terms & Conditions for Calibration, Testing and Consultancy Assignments

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2. No action or legal proceeding shall be taken (except in the case of wilful neglect or default) against NSAI or the Board or any member of the Board or any committee appointed by the Board or any officer or servant of NSAI, by reason of or arising out of the carrying out of any research, investigation, test or analysis or the publication of the results thereof in the name of NSAI.
3. NSAI will not release any information received from or provided to the client in relation to this report except as may be required by law, including the Freedom of Information Act 1997, or as specified by the client.
4. This certificate relates only to the item(s) described on the front page and shall not be reproduced, except in full.
5. This contract is governed by the laws of Ireland whose courts shall have exclusive jurisdiction.

Decision Rule and Compliance Statement

The rule that describes how measurement uncertainty is accounted for when stating conformity with a specified requirement is known as a decision rule. The rule used by NSAI NML follows the guidelines set out in the document ILAC-G8:09/2019 published by the International Laboratory Accreditation Co-operation. Further information on the decision rule is available on the NSAI website:
(https://www.nsai.ie/images/uploads/metrology/Decision_Rule.pdf).

The symbols used to indicate the state of compliance of the instrument calibration and their meanings are given in the following table.

Statement of compliance and associated symbol	Description
PASS	The absence of a symbol indicates that the measurement result is inside the specification limit by a margin greater than its associated expanded uncertainty; the instrument meets its accuracy specification.
Conditional PASS Symbol: £	The measurement result is inside the specification limit by a margin less than or equal to its associated expanded measurement uncertainty; it is therefore not possible to state compliance. There is a risk that the instrument fails to meet its specification.
Conditional FAIL Symbol: &	The measurement result is on the specification limit or is outside the specification limit by a margin less than or equal to its associated expanded measurement uncertainty; it is therefore not possible to state non-compliance.
FAIL Symbol: $	The measurement result is outside the specification limit by a margin greater than its associated measurement uncertainty; the instrument fails to meet its accuracy specification.
Unc. > Spec Symbol: #	The expanded measurement uncertainty is greater than the instrument's accuracy specification. It is not possible to determine compliance or otherwise with the specification. The user should expand the in-use accuracy specification to make allowance for the calibration uncertainty.
Outside CIPM MRA Symbol: ¢	Indicates that the calibration result is traceable to SI units but is not currently included in the table of NSAI NML's calibration and measurement capabilities approved under the CIPM MRA.

Where no specification exists, and none is prescribed by the client, the Decision Rule policy of the NSAI NML does not apply and results are provided without a statement of compliance.

Ambient laboratory conditions:

Barometric Pressure:	100.0 kPa ± 0.5 kPa
Temperature:	20.7 °C ± 1 °C
Relative Humidity:	35 %RH ± 5%RH

Summary of Results:

The following table summarises the results of the verification tests. The detailed results are given in the subsequent tables.

IEC 61672 Test	Test Title	Status
10	Self-generated Noise (Electrical)	/
11	Acoustical Signal	PASS
12	Frequency Weighting	PASS
13	Frequency and Time Weighting @ 1 kHz	PASS
14	Level Linearity Test on Reference Level Range	PASS
15	Level Linearity including Range Control	PASS
16	Toneburst Response	PASS
17	Peak C	PASS
18	Overload Indication	PASS

Detailed Results.

Prior to carrying out the verification tests the sound level meter was confirmed to be reading correctly for pressure response through application of a reference acoustical calibrator.

Self-generated Noise Test (Electrical Input) (Test #10) [1]

Range: 20 - 80 dB
Mode: Leq

SLM Configuration	Freq. Weighting Network	SLM Reading[2]
Microphone installed	A	20.2 dB (U/R)[3]
Microphone replaced by electrical signal device and Fitted with a short-circuit	A	17.4 (U/R)[3]
	C	21.4
	Z (Linear)	25.1

Acoustical signal test of a frequency weighting (Test #11) [1]

Range: 40 - 130 dB
Frequency Weighting setting: C
Time Weighting response: Slow

Input Level[4]	Input Freq.	SLM Error of Indication[5]	Tolerance[6] (±)	Uncertainty of Measurement (±)
94.0 dB	1000 Hz	0.0 dB (Ref)	1.1 dB	0.3 dB
	125	+0.2	1.5	0.3
	4000[7]	+0.9	1.6	0.5

Electrical signal tests of frequency weightings (Test #12)[1]

Range: 40 - 130 dB

Freq. (nominal)	Input Level[4]	SLM Reading	SLM Error of Indication[5]	Tolerance[6] (±)	Uncertainty of Measurement (±)
A-Weighting					
63 Hz	93 dB	92.7 dB	-0.3 dB	1.5 dB	0.20 dB
125	93	92.8	-0.2	1.5	0.20
250	93	92.8	-0.2	1.4	0.20
500	93	92.9	-0.1	1.4	0.20
1000	93	93.0	0.0	1.1	0.20
2000	93	93.1	+0.1	1.6	0.20
4000	93	93.1	+0.1	1.6	0.20
8000	93	93.1	+0.1	2.1, -3.1	0.20
16000	93	93.2	+0.2	3.5, -17	0.20
C-Weighting					
63 Hz	93 dB	92.6 dB	-0.4 dB	1.5 dB	0.20 dB
125	93	93.0	0.0	1.5	0.20
250	93	93.0	0.0	1.4	0.20
500	93	93.0	0.0	1.4	0.20
1000	93	93.0	0.0	1.1	0.20
2000	93	93.1	+0.1	1.6	0.20
4000	93	93.1	+0.1	1.6	0.20
8000	93	93.1	+0.1	2.1, -3.1	0.20
16000	93	93.2	+0.2	3.5, -17	0.20
LIN Weighting					
63 Hz	93 dB	92.6 dB	-0.4 dB	1.5 dB	0.20 dB
125	93	92.9	-0.1	1.5	0.20
250	93	92.9	-0.1	1.4	0.20
500	93	92.9	-0.1	1.4	0.20
1000	93	93.0	0.0	1.1	0.20
2000	93	93.0	0.0	1.6	0.20
4000	93	93.1	+0.1	1.6	0.20
8000	93	92.9	-0.1	2.1, -3.1	0.20
16000	93	92.4	-0.6	3.5, -17	0.20

Frequency and time weightings at 1 kHz (Test #13)[1]

Range: 40 - 130 dB

Time Weighting Setting	Frequency Weighting Setting	Input Level[4]	Deviation from Reference	Tolerance[6] (±)	Uncertainty of Measurement (±)
Fast	A	94.0 dB	0.0 dB	0.4 dB	0.20 dB
	C		+0.2	0.4	0.20
	Z		+0.2	0.4	0.20
Slow	A	94.0 dB	0.0 dB	0.3 dB	0.20 dB
Leq.	A	94.0 dB	0.0 dB	0.3 dB	0.20 dB
SEL	A	114.0 dB	0.0 dB	0.3 dB	0.20 dB

Linearity level on the reference range (Test #14)[1]

Range: 40 to 130 dB
Input Frequency: 1 kHz
SLM Measuring Mode: SPL

Range	Input Level[4]	SLM Reading	SLM Error of Indication[5]	Tolerance[6] (±)	Uncertainty of Measurement (±)
130 dB	94 dB	94.0 dB	0.0 dB	1.1 dB	0.20 dB
	99	99.0	0.0	1.1	0.20
	104	103.9	-0.1	1.1	0.20
	109	108.9	-0.1	1.1	0.20
	114	113.9	-0.1	1.1	0.20
	119	118.9	-0.1	1.1	0.20
	124	123.9	-0.1	1.1	0.20
	129	128.9	-0.1	1.1	0.20
	131	131.0	0.0	1.1	0.20
	132	132.0	0.0	1.1	0.20
	133	133.0	0.0	1.1	0.20
	134	134.0	0.0	1.1	0.20
	135	135.0	0.0	1.1	0.20
	136	136.0	0.0	1.1	0.20
	94	94.0	0.0	1.1	0.20
	89	89.0	0.0	1.1	0.21
	84	84.0	0.0	1.1	0.21
	79	78.9	-0.1	1.1	0.21
	74	74.0	0.0	1.1	0.21
	69	68.9	-0.1	1.1	0.21
	64	63.9	-0.1	1.1	0.21
	59	58.9	-0.1	1.1	0.21
	54	54.0	0.0	1.1	0.21
	49	49.0	0.0	1.1	0.21
	44	44.0	0.0	1.1	0.21

Level Linearity including Range Control (Test #15)[1]

Input Frequency: 1 kHz
SLM Measuring Mode: SPL

Range	Input Level[3]	SLM Reading	SLM Error of Indication[5]	Tolerance[6] (±)	Uncertainty of Measurement (±)
130 dB	94.0 dB	94.0 dB	0.0 dB	1.1 dB	0.20 dB
	125.0	125.0	0.0	1.1	0.20
120 dB	94.0 dB	93.9 dB	-0.1 dB	1.1 dB	0.20 dB
	115.0	114.9	-0.1	1.1	0.20
110 dB	94.0 dB	94.0 dB	0.0 dB	1.1 dB	0.20 dB
	105.0	105.0	0.0	1.1	0.20
100 dB	94.0 dB	94.0 dB	0.0 dB	1.1 dB	0.20 dB
	95.0	95.0	0.0	1.1	0.20
90 dB	85.0 dB	84.9 dB	-0.1 dB	1.1 dB	0.20 dB
80 dB	75.0 dB	75.0 dB	0.0 dB	1.1 dB	0.20 dB

Toneburst response (Test #16)[1]

Range: 40 to 130 dB

Burst Type	SLM Mode	Input Level[4]	SLM Error of Indication[5]	Tolerance[6] (±)	Uncertainty of Measurement (±)
200 ms	LAF	135.0 dB	0.0 dB	0.8 dB	0.3 dB
2.0 ms	LAF	118.0	0.0	1.3	0.3
0.25 msec	LAF	109.0	-0.1	1.3, -3.3	0.3
200 ms	LAS	128.6 dB	-0.1 dB	0.8 dB	0.3 dB
2.0 ms	LAS	109.0	-0.1	1.3, -1.8	0.3
200 ms	SEL	129.0 dB	0.0 dB	0.8 dB	0.3 dB
2.0 ms	SEL	109.3	0.0	1.3	0.3
0.25 ms	SEL	100.0	-0.1	1.3, -3.3	0.3

Peak C sound level (Test #17)[1]

Range: 40 to 130 dB

Pulse Type	Pulse Frequency	Input Level[4] (peak value)	SLM Error of Indication[5]	Tolerance[6] (±)	Uncertainty of Measurement (±)
1 cycle	8 kHz	130.4 dB	-0.1 dB	2.4 dB	0.35 dB
Pos. ½ cycle	500 Hz	132.4 dB	-0.4 dB	1.4 dB	0.35 dB
Neg. ½ cycle	500 Hz	132.4 dB	-0.3 dB	1.4 dB	0.35 dB

Overload indication (Test #18)[1]

Range: 40 to 130 dB
SLM Measuring Mode: LAEq

Test description	Overload occurred at (±)	Meas. Diff. (Pos - Neg)	Tolerance[6] (±)	Uncertainty of Measurement (±)
Positive ½ cycle at 4 kHz	139.1 dB	-	-	-
Negative ½ cycle at 4 kHz	139.1 dB	-	-	-
Level difference of positive & negative pulses	-	0.0 dB	1.8 dB	0.30 dB

Notes:

(1) The test number, given in parentheses after the section heading, refers to the relevant clause in IEC 61672-3 (2006).

(2) SLM denotes Sound Level Meter

(3) U/R denotes Under Range

(4) All input levels are given in dB relative to a 20 µPa reference level.

(5) The SLM Error of Indication is defined as follows:
SLM Error of Indication = SLM Reading - Input Level

(6) The figures in the column labelled 'Tolerance' are the acceptance limits given in IEC 61672-1(2003). These tolerance limits include an allowance for the maximum expanded uncertainty of the test laboratory. The criteria for compliance with the tolerance is that the measurement result, extended by its associated uncertainty, lies within the specified limits.

(7) Microphone response at 4 kHz was measured using an electrostatic actuator. A Free Field correction of +1.2 dB was applied to the measured actuator response.
This measurement is not included in NML's tables of Calibration and Measurement Capabilities, approved under the CIPM MRA.
For information, the measured sensitivity and frequency response of the microphone is given in an addendum to this certificate.

Comments:

Where used in the results table, further information on the meaning of symbols is given in the table on page 2 of this certificate.

The instrument was found to meet the requirements of IEC 61672-1 (2003) in accordance with the verification procedures set out in IEC 61672-3 (2006) at the time of calibration.

The reported measurement results are traceable, via national standards maintained by NSAI National Metrology Laboratory (NML) or by other national metrology institutes, to internationally accepted realisations of the SI units.

The reported expanded uncertainty is based on the standard uncertainty multiplied by a coverage factor $k = 2$ which, for a normal probability distribution, corresponds to a coverage probability of approximately 95%. It has been determined in accordance with the "Guide to the Expression of Uncertainty in Measurement (GUM)". These uncertainties apply only to the measured values and do not carry any implication regarding the long-term stability of the instrument.

NSAI
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Addendum to Certificate 215237

Rion
Type: UC-53A

Serial no: 310458

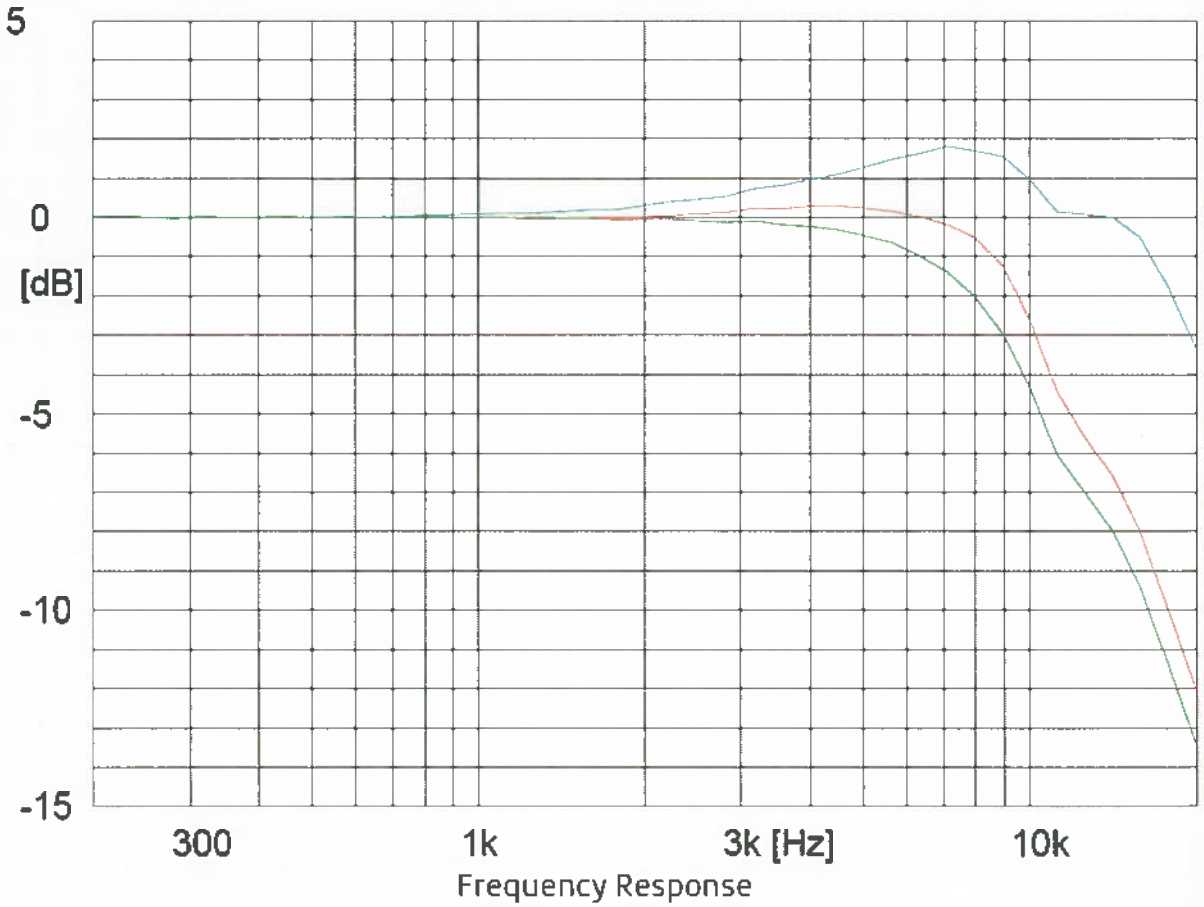
Sensitivity: 40.0 mV/Pa
-28.0 ±0.01 dB re. 1 V/Pa

Date: 06/01/2022

Measurement conditions:	
Polarisation voltage:	0.0 V
Pressure:	100.02 ±0.01 kPa
Temperature:	20.7 ±1.1 °C
Relative humidity:	35.2 ±2.4 %RH

Results are normalized to the reference conditions.

Free field response
Diffuse field response
Pressure (Actuator) response



NSAI
National Metrology Laboratory

Certificate of Calibration

Issued to	TNEI Ireland Limited Unit S12 Synergy Centre Technological University Dublin Campus Tallaght Dublin D24 A386
Attention of	Ewan Watson

Certificate Number	**215238**
Item Calibrated	Rion NL-32 Sound Level Meter, complete with Rion UC53A Microphone
Serial Numbers	00482652 (Sound Level Meter) and 314027 (Microphone)
ID Number	SLM006
Order Number	4
Date Received	14 Dec 2021
NML Procedure Number	AP-NM-09
Method	The above sound level meter was allowed to stabilise for a suitable period in laboratory conditions. It was then calibrated by carrying out the verification tests detailed in IEC 61672-3 (2006), *Periodic tests, specification for the verification of sound level meters*. This standard specifies a procedure for the periodic verification of conformance of a sound level meter or integrating-averaging meter to IEC 61672-1 (2003).
Calibration Standards	Norsonic 1504A Calibration System incorporating: SR DS360 Signal Generator, No. 0735 [Cal Due Date: 10 Jun 2022] Agilent 34401A Digital Multimeter, No. 0736 [Cal Due Date: 10 Jun 2022] B&K 4134 Measuring Microphone, No. 0744 [Cal Due Date: 03 Jun 2023] B&K 4228 Pistonphone, No. 0740 [Cal Due Date: 04 Jun 2023] B&K 4226 Acoustical Calibrator, No. 0150 [Cal Due Date: 07 Oct 2022]

Calibrated by	David Fleming	**Approved by**	Paul Hetherington
Date of Calibration	06 Jan 2022	**Date of Issue**	06 Jan 2022

CIPM MRA

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Standard Terms & Conditions for Calibration, Testing and Consultancy Assignments

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2. No action or legal proceeding shall be taken (except in the case of wilful neglect or default) against NSAI or the Board or any member of the Board or any committee appointed by the Board or any officer or servant of NSAI, by reason of or arising out of the carrying out of any research, investigation, test or analysis or the publication of the results thereof in the name of NSAI.
3. NSAI will not release any information received from or provided to the client in relation to this report except as may be required by law, including the Freedom of Information Act 1997, or as specified by the client.
4. This certificate relates only to the item(s) described on the front page and shall not be reproduced, except in full.
5. This contract is governed by the laws of Ireland whose courts shall have exclusive jurisdiction.

Decision Rule and Compliance Statement

The rule that describes how measurement uncertainty is accounted for when stating conformity with a specified requirement is known as a decision rule. The rule used by NSAI NML follows the guidelines set out in the document ILAC-G8:09/2019 published by the International Laboratory Accreditation Co-operation. Further information on the decision rule is available on the NSAI website:
(https://www.nsai.ie/images/uploads/metrology/Decision_Rule.pdf).

The symbols used to indicate the state of compliance of the instrument calibration and their meanings are given in the following table.

Statement of compliance and associated symbol	Description
PASS	The absence of a symbol indicates that the measurement result is inside the specification limit by a margin greater than its associated expanded uncertainty; the instrument meets its accuracy specification.
Conditional PASS Symbol: £	The measurement result is inside the specification limit by a margin less than or equal to its associated expanded measurement uncertainty; it is therefore not possible to state compliance. There is a risk that the instrument fails to meet its specification.
Conditional FAIL Symbol: &	The measurement result is on the specification limit or is outside the specification limit by a margin less than or equal to its associated expanded measurement uncertainty; it is therefore not possible to state non-compliance.
FAIL Symbol: $	The measurement result is outside the specification limit by a margin greater than its associated measurement uncertainty; the instrument fails to meet its accuracy specification.
Unc. > Spec Symbol: #	The expanded measurement uncertainty is greater than the instrument's accuracy specification. It is not possible to determine compliance or otherwise with the specification. The user should expand the in-use accuracy specification to make allowance for the calibration uncertainty.
Outside CIPM MRA Symbol: ¢	Indicates that the calibration result is traceable to SI units but is not currently included in the table of NSAI NML's calibration and measurement capabilities approved under the CIPM MRA.

Where no specification exists, and none is prescribed by the client, the Decision Rule policy of the NSAI NML does not apply and results are provided without a statement of compliance.

Ambient laboratory conditions:

Barometric Pressure:	99.8 kPa ± 0.5 kPa
Temperature:	20.6 °C ± 1 °C
Relative Humidity:	40 %RH ± 5%RH

Summary of Results:

The following table summarises the results of the verification tests. The detailed results are given in the subsequent tables.

IEC 61672 Test	Test Title	Status
10	Self-generated Noise (Electrical)	/
11	Acoustical Signal	PASS
12	Frequency Weighting	PASS
13	Frequency and Time Weighting @ 1 kHz	PASS
14	Level Linearity Test on Reference Level Range	PASS
15	Level Linearity including Range Control	PASS
16	Toneburst Response	PASS
17	Peak C	PASS
18	Overload Indication	PASS

Detailed Results.

Prior to carrying out the verification tests the sound level meter was confirmed to be reading correctly for pressure response through application of a reference acoustical calibrator.

Self-generated Noise Test (Electrical Input) (Test #10) [1]

Range: 20 - 80 dB
Mode: Leq

SLM Configuration	Freq. Weighting Network	SLM Reading[2]
Microphone installed	A	21.1 dB
Microphone replaced by electrical signal device and Fitted with a short-circuit	A	17.9 (U/R)[3]
	C	21.9
	Z (Linear)	25.8

Acoustical signal test of a frequency weighting (Test #11) [1]

Range: 40 - 130 dB
Frequency Weighting setting: C
Time Weighting response: Slow

Input Level[4]	Input Freq.	SLM Error of Indication[5]	Tolerance[6] (±)	Uncertainty of Measurement (±)
94.0 dB	1000 Hz	0.0 dB (Ref)	1.1 dB	0.3 dB
	125	+0.2	1.5	0.3
	4000[7]	+0.5	1.6	0.5

Electrical signal tests of frequency weightings (Test #12)[1]

Range: 40 - 130 dB

Freq. (nominal)	Input Level[4]	SLM Reading	SLM Error of Indication[5]	Tolerance[6] (±)	Uncertainty of Measurement (±)
A-Weighting					
63 Hz	93 dB	92.8 dB	-0.2 dB	1.5 dB	0.20 dB
125	93	92.9	-0.1	1.5	0.20
250	93	92.8	-0.2	1.4	0.20
500	93	92.9	-0.1	1.4	0.20
1000	93	93.0	0.0	1.1	0.20
2000	93	93.1	+0.1	1.6	0.20
4000	93	93.1	+0.1	1.6	0.20
8000	93	93.1	+0.1	2.1, -3.1	0.20
16000	93	93.2	+0.2	3.5, -17	0.20
C-Weighting					
63 Hz	93 dB	92.9 dB	-0.1 dB	1.5 dB	0.20 dB
125	93	92.9	-0.1	1.5	0.20
250	93	92.9	-0.1	1.4	0.20
500	93	93.0	0.0	1.4	0.20
1000	93	93.0	0.0	1.1	0.20
2000	93	93.0	0.0	1.6	0.20
4000	93	93.0	0.0	1.6	0.20
8000	93	93.2	+0.2	2.1, -3.1	0.20
16000	93	93.3	+0.3	3.5, -17	0.20
LIN Weighting					
63 Hz	93 dB	92.7 dB	-0.3 dB	1.5 dB	0.20 dB
125	93	92.8	-0.2	1.5	0.20
250	93	92.9	-0.1	1.4	0.20
500	93	92.9	-0.1	1.4	0.20
1000	93	93.0	0.0	1.1	0.20
2000	93	93.0	0.0	1.6	0.20
4000	93	93.1	+0.1	1.6	0.20
8000	93	92.9	-0.1	2.1, -3.1	0.20
16000	93	92.5	-0.5	3.5, -17	0.20

Frequency and time weightings at 1 kHz (Test #13)[1]

Range: 40 - 130 dB

Time Weighting Setting	Frequency Weighting Setting	Input Level[4]	Deviation from Reference	Tolerance[6] (±)	Uncertainty of Measurement (±)
Fast	A	94.0 dB	0.0 dB	0.4 dB	0.20 dB
	C		+0.2	0.4	0.20
	Z		+0.2	0.4	0.20
Slow	A	94.0 dB	0.0 dB	0.3 dB	0.20 dB
Leq.	A	94.0 dB	0.0 dB	0.3 dB	0.20 dB
SEL	A	114.0 dB	0.0 dB	0.3 dB	0.20 dB

Linearity level on the reference range (Test #14)[1]

Range: 40 to 130 dB
Input Frequency: 1 kHz
SLM Measuring Mode: SPL

Range	Input Level[4]	SLM Reading	SLM Error of Indication[5]	Tolerance[6] (±)	Uncertainty of Measurement (±)
130 dB	94 dB	94.0 dB	0.0 dB	1.1 dB	0.20 dB
	99	99.0	0.0	1.1	0.20
	104	103.9	-0.1	1.1	0.20
	109	108.9	-0.1	1.1	0.20
	114	113.9	-0.1	1.1	0.20
	119	118.9	-0.1	1.1	0.20
	124	123.9	-0.1	1.1	0.20
	129	128.9	-0.1	1.1	0.20
	131	130.9	-0.1	1.1	0.20
	132	132.0	0.0	1.1	0.20
	133	132.9	-0.1	1.1	0.20
	134	134.0	0.0	1.1	0.20
	135	135.0	0.0	1.1	0.20
	136	136.0	0.0	1.1	0.20
	94	94.0	0.0	1.1	0.20
	89	89.0	0.0	1.1	0.21
	84	84.0	0.0	1.1	0.21
	79	79.0	0.0	1.1	0.21
	74	74.0	0.0	1.1	0.21
	69	68.9	-0.1	1.1	0.21
	64	64.0	0.0	1.1	0.21
	59	58.9	-0.1	1.1	0.21
	54	53.9	-0.1	1.1	0.21
	49	49.0	0.0	1.1	0.21
	44	44.0	0.0	1.1	0.21

Level Linearity including Range Control (Test #15)[1]

Input Frequency: 1 kHz
SLM Measuring Mode: SPL

Range	Input Level[3]	SLM Reading	SLM Error of Indication[5]	Tolerance[6] (±)	Uncertainty of Measurement (±)
130 dB	94.0 dB	94.0 dB	0.0 dB	1.1 dB	0.20 dB
	125.0	125.0	0.0	1.1	0.20
120 dB	94.0 dB	94.0 dB	0.0 dB	1.1 dB	0.20 dB
	115.0	114.9	-0.1	1.1	0.20
110 dB	94.0 dB	94.0 dB	0.0 dB	1.1 dB	0.20 dB
	105.0	105.0	0.0	1.1	0.20
100 dB	94.0 dB	94.0 dB	0.0 dB	1.1 dB	0.20 dB
	95.0	95.0	0.0	1.1	0.20
90 dB	85.0 dB	85.0 dB	0.0 dB	1.1 dB	0.20 dB
80 dB	75.0 dB	75.0 dB	0.0 dB	1.1 dB	0.20 dB

Toneburst response (Test #16)[1]

Range: 40 to 130 dB

Burst Type	SLM Mode	Input Level[4]	SLM Error of Indication[5]	Tolerance[6] (±)	Uncertainty of Measurement (±)
200 ms	LAF	134.0 dB	0.0 dB	0.8 dB	0.3 dB
2.0 ms	LAF	117.0	0.0	1.3	0.3
0.25 msec	LAF	108.0	-0.1	1.3, -3.3	0.3
200 ms	LAS	127.6 dB	-0.1 dB	0.8 dB	0.3 dB
2.0 ms	LAS	108.0	-0.1	1.3, -1.8	0.3
200 ms	SEL	128.0 dB	0.0 dB	0.8 dB	0.3 dB
2.0 ms	SEL	108.0	0.0	1.3	0.3
0.25 ms	SEL	99.0	-0.2	1.3, -3.3	0.3

Peak C sound level (Test #17)[1]

Range: 40 to 130 dB

Pulse Type	Pulse Frequency	Input Level[4] (peak value)	SLM Error of Indication[5]	Tolerance[6] (±)	Uncertainty of Measurement (±)
1 cycle	8 kHz	133.4 dB	-0.6 dB	2.4 dB	0.35 dB
Pos. ½ cycle	500 Hz	135.4 dB	-0.3 dB	1.4 dB	0.35 dB
Neg. ½ cycle	500 Hz	135.4 dB	-0.3 dB	1.4 dB	0.35 dB

Overload indication (Test #18)[1]

Range: 40 to 130 dB
SLM Measuring Mode: LAEq

Test description	Overload occurred at (±)	Meas. Diff. (Pos – Neg)	Tolerance[6] (±)	Uncertainty of Measurement (±)
Positive ½ cycle at 4 kHz	139.3 dB	-	-	-
Negative ½ cycle at 4 kHz	139.2 dB	-	-	-
Level difference of positive & negative pulses	-	0.1 dB	1.8 dB	0.30 dB

Notes:

(1) The test number, given in parentheses after the section heading, refers to the relevant clause in IEC 61672-3 (2006).

(2) SLM denotes Sound Level Meter

(3) U/R denotes Under Range

(4) All input levels are given in dB relative to a 20 µPa reference level.

(5) The SLM Error of Indication is defined as follows:
SLM Error of Indication = SLM Reading - Input Level

(6) The figures in the column labelled 'Tolerance' are the acceptance limits given in IEC 61672-1(2003). These tolerance limits include an allowance for the maximum expanded uncertainty of the test laboratory. The criteria for compliance with the tolerance is that the measurement result, extended by its associated uncertainty, lies within the specified limits.

(7) Microphone response at 4 kHz was measured using an electrostatic actuator. A Free Field correction of +1.2 dB was applied to the measured actuator response.
This measurement is not included in NML's tables of Calibration and Measurement Capabilities, approved under the CIPM MRA.
For information, the measured sensitivity and frequency response of the microphone is given in an addendum to this certificate.

Comments:

Where used in the results table, further information on the meaning of symbols is given in the table on page 2 of this certificate.

The instrument was found to meet the requirements of IEC 61672-1 (2003) in accordance with the verification procedures set out in IEC 61672-3 (2006) at the time of calibration.

The reported measurement results are traceable, via national standards maintained by NSAI National Metrology Laboratory (NML) or by other national metrology institutes, to internationally accepted realisations of the SI units.

The reported expanded uncertainty is based on the standard uncertainty multiplied by a coverage factor $k = 2$ which, for a normal probability distribution, corresponds to a coverage probability of approximately 95%. It has been determined in accordance with the "Guide to the Expression of Uncertainty in Measurement (GUM)". These uncertainties apply only to the measured values and do not carry any implication regarding the long-term stability of the instrument.

NSAI
National Metrology Laboratory

Addendum to Certificate 215238

Rion
Type: UC-53A

Serial no: 314027

Sensitivity: 39.4 mV/Pa
-28.1 ±0.01 dB re. 1 V/Pa

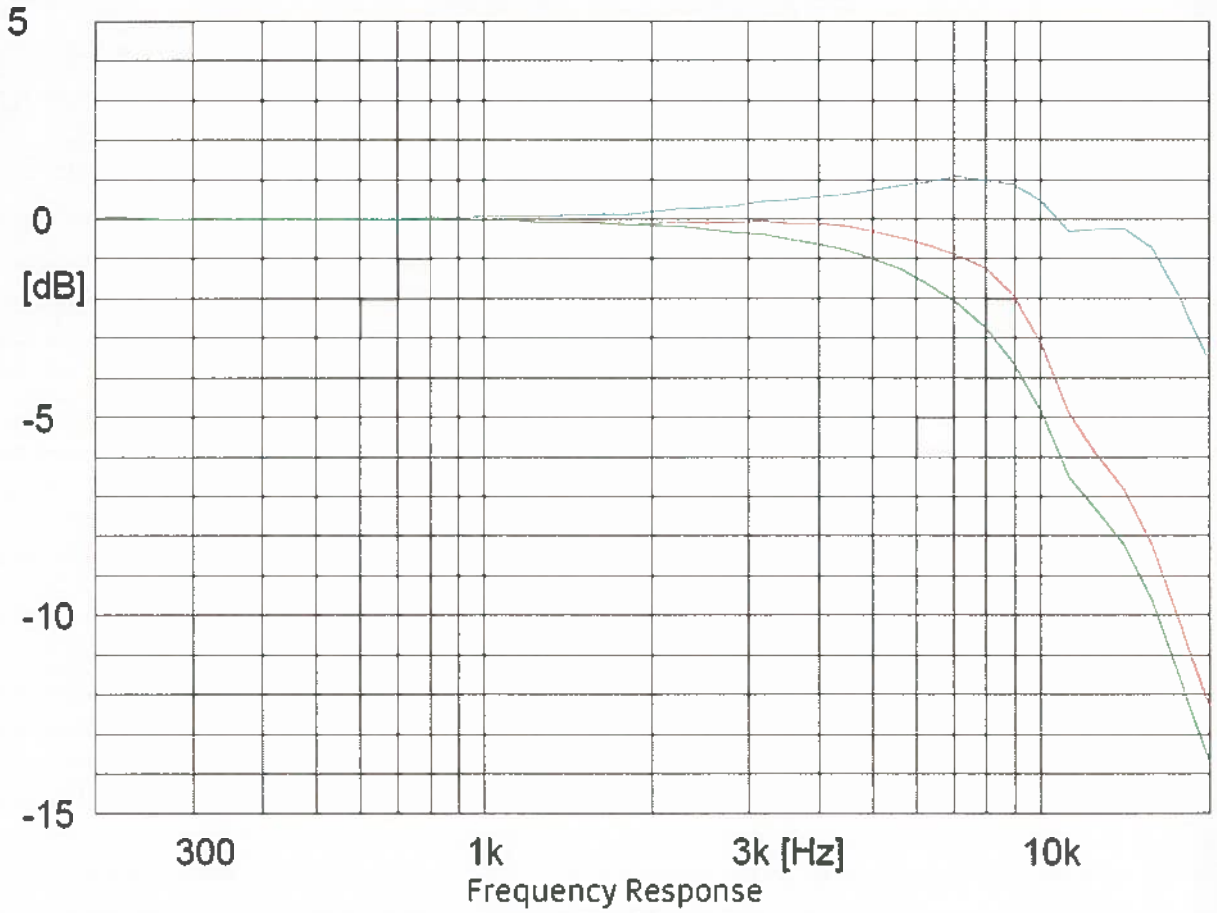
Date: 06/01/2022

Measurement conditions:

Polarisation voltage:	0.0 V
Pressure:	99.87 ±0.01 kPa
Temperature:	21.4 ±1.1 °C
Relative humidity:	48.9 ±11.8 %RH

Results are normalized to the reference conditions.

Free field response
Diffuse field response
Pressure (Actuator) response



NSAI

National Metrology Laboratory

Certificate of Calibration

Issued to	TNEI Group Floor 7 West One Forth Banks Newcastle Upon Tyne England
Attention of	Ewan Watson

Certificate Number	211433
Item Calibrated	Rion NL-31 Sound Level Meter, complete with Rion UC53A Microphone
Serial Numbers	01273082 (Sound Level Meter) and 313385 (Microphone)
ID Number	SLM011
Order Number	1684
Date Received	13 Apr 2021
NML Procedure Number	AP-NM-09
Method	The above sound level meter was allowed to stabilise for a suitable period in laboratory conditions. It was then calibrated by carrying out the verification tests detailed in IEC 61672-3 (2006), *Periodic tests, specification for the verification of sound level meters*. This standard specifies a procedure for the periodic verification of conformance of a sound level meter or integrating-averaging meter to IEC 61672-1 (2003).
Calibration Standards	Norsonic 1504A Calibration System incorporating: SR DS360 Signal Generator, No. 0735 [Cal Due Date: 21 May 2021] Agilent 34401A Digital Multimeter, No. 0736 [Cal Due Date: 21 May 2021] B&K 4134 Measuring Microphone, No. 0743 [Cal Due Date: 27 May 2022] B&K 4228 Pistonphone, No. 0741 [Cal Due Date: 26 May 2022] B&K 4226 Acoustical Calibrator, No. 0150 [Cal Due Date: 02 Sep 2021]

Calibrated by	David Fleming	**Approved by**	Paul Hetherington
Date of Calibration	16 Apr 2021	**Date of Issue**	16 Apr 2021

CIPM MRA

This certificate is consistent with Calibration and Measurement Capabilities (CMC's) that are included in Appendix C of the Mutual Recognition Arrangement (MRA) drawn up by the International Committee for Weights and Measures. Under the MRA, all participating institutes recognize the validity of each other's calibration certificates and measurement reports for quantities, ranges and measurement uncertainties specified in Appendix C (for details see www.bipm.org)

Standard Terms & Conditions for Calibration, Testing and Consultancy Assignments

1. Reports issued by the National Metrology Laboratory Division of NSAI are copyright to NSAI and shall not be used, either in whole or in part, for the purposes of advertising, publicity or litigation without the written consent of the Chief Executive or his nominee.
2. No action or legal proceeding shall be taken (except in the case of wilful neglect or default) against NSAI or the Board or any member of the Board or any committee appointed by the Board or any officer or servant of NSAI, by reason of or arising out of the carrying out of any research, investigation, test or analysis or the publication of the results thereof in the name of NSAI.
3. NSAI will not release any information received from or provided to the client in relation to this report except as may be required by law, including the Freedom of Information Act 1997, or as specified by the client.
4. This certificate relates only to the item(s) described on the front page and shall not be reproduced, except in full.
5. This contract is governed by the laws of Ireland whose courts shall have exclusive jurisdiction.

Decision Rule and Compliance Statement

The rule that describes how measurement uncertainty is accounted for when stating conformity with a specified requirement is known as a decision rule. The rule used by NSAI NML follows the guidelines set out in the document ILAC-G8:09/2019 published by the International Laboratory Accreditation Co-operation. Further information on the decision rule is available on the NSAI website:
(https://www.nsai.ie/images/uploads/metrology/Decision_Rule.pdf).

The symbols used to indicate the state of compliance of the instrument calibration and their meanings are given in the following table.

Statement of compliance and associated symbol	Description
PASS	The absence of a symbol indicates that the measurement result is inside the specification limit by a margin greater than its associated expanded uncertainty; the instrument meets its accuracy specification.
Conditional PASS Symbol: £	The measurement result is inside the specification limit by a margin less than or equal to its associated expanded measurement uncertainty; it is therefore not possible to state compliance. There is a risk that the instrument fails to meet its specification.
Conditional FAIL Symbol: &	The measurement result is on the specification limit or is outside the specification limit by a margin less than or equal to its associated expanded measurement uncertainty; it is therefore not possible to state non-compliance.
FAIL Symbol: $	The measurement result is outside the specification limit by a margin greater than its associated measurement uncertainty; the instrument fails to meet its accuracy specification.
Unc. > Spec Symbol: #	The expanded measurement uncertainty is greater than the instrument's accuracy specification. It is not possible to determine compliance or otherwise with the specification. The user should expand the in-use accuracy specification to make allowance for the calibration uncertainty.
Outside CIPM MRA Symbol: ¢	Indicates that the calibration result is traceable to SI units but is not currently included in the table of NSAI NML's calibration and measurement capabilities approved under the CIPM MRA.

Where no specification exists, and none is prescribed by the client, the Decision Rule policy of the NSAI NML does not apply and results are provided without a statement of compliance.

Ambient laboratory conditions:

Barometric Pressure:	102.5 kPa ± 0.5 kPa
Temperature:	22.8 °C ± 1 °C
Relative Humidity:	45 %RH ± 5%RH

Summary of Results:

The following table summarises the results of the verification tests. The detailed results are given in the subsequent tables.

IEC 61672 Test	Test Title	Status
10	Self-generated Noise (Electrical)	/
11	Acoustical Signal	PASS
12	Frequency Weighting	PASS
13	Frequency and Time Weighting @ 1 kHz	PASS
14	Level Linearity Test on Reference Level Range	PASS
15	Level Linearity including Range Control	PASS
16	Toneburst Response	PASS
17	Peak C	PASS
18	Overload Indication	PASS

Detailed Results.

Prior to carrying out the verification tests the sound level meter was confirmed to be reading correctly for pressure response through application of a reference acoustical calibrator.

Self-generated Noise Test (Electrical Input) (Test #10) [1]

Range: 20 - 80 dB
Mode: Leq

SLM Configuration	Freq. Weighting Network	SLM Reading[2]
Microphone installed	A	20.5 dB
Microphone replaced by electrical signal device and Fitted with a short-circuit	A	16.5 (U/R)[3]
	C	23.4
	Z (Linear)	29.9

Acoustical signal test of a frequency weighting (Test #11) [1]

Range: 20 - 110 dB
Frequency Weighting setting: C
Time Weighting response: Slow

Input Level[4]	Input Freq.	SLM Error of Indication[5]	Tolerance[6] (±)	Uncertainty of Measurement (±)
94.0 dB	1000 Hz	0.0 dB (Ref)	1.1 dB	0.3 dB
	125	+0.2	1.5	0.3
	4000[7]	+0.2	1.6	0.5

Electrical signal tests of frequency weightings (Test #12)[1]

Range: 20 - 110 dB

Freq. (nominal)	Input Level[4]	SLM Reading	SLM Error of Indication[5]	Tolerance[6] (±)	Uncertainty of Measurement (±)
A-Weighting					
63 Hz	93 dB	92.8 dB	-0.2 dB	1.5 dB	0.20 dB
125	93	92.9	-0.1	1.5	0.20
250	93	92.9	-0.1	1.4	0.20
500	93	93.0	0.0	1.4	0.20
1000	93	93.0	0.0	1.1	0.20
2000	93	93.0	0.0	1.6	0.20
4000	93	93.1	+0.1	1.6	0.20
8000	93	93.1	+0.1	2.1, -3.1	0.20
16000	93	93.3	+0.3	3.5, -17	0.20
C-Weighting					
63 Hz	93 dB	92.8 dB	-0.2 dB	1.5 dB	0.20 dB
125	93	93.0	0.0	1.5	0.20
250	93	93.0	0.0	1.4	0.20
500	93	93.0	0.0	1.4	0.20
1000	93	93.0	0.0	1.1	0.20
2000	93	93.1	+0.1	1.6	0.20
4000	93	93.1	+0.1	1.6	0.20
8000	93	93.1	+0.1	2.1, -3.1	0.20
16000	93	93.3	+0.3	3.5, -17	0.20
LIN Weighting					
63 Hz	93 dB	92.9 dB	-0.1 dB	1.5 dB	0.20 dB
125	93	93.0	0.0	1.5	0.20
250	93	93.0	0.0	1.4	0.20
500	93	93.0	0.0	1.4	0.20
1000	93	93.1	+0.1	1.1	0.20
2000	93	93.1	+0.1	1.6	0.20
4000	93	93.2	+0.2	1.6	0.20
8000	93	93.0	0.0	2.1, -3.1	0.20
16000	93	92.5	-0.5	3.5, -17	0.20

Frequency and time weightings at 1 kHz (Test #13)[1]

Range: 30 - 120 dB

Time Weighting Setting	Frequency Weighting Setting	Input Level[4]	Deviation from Reference	Tolerance[6] (±)	Uncertainty of Measurement (±)
Fast	A	94.0 dB	0.0 dB	0.4 dB	0.20 dB
	C		0.0	0.4	0.20
	Z		+0.1	0.4	0.20
Slow	A	94.0 dB	0.0 dB	0.3 dB	0.20 dB
Leq	A	94.0 dB	0.0 dB	0.3 dB	0.20 dB
SEL	A	114.0 dB	0.0 dB	0.3 dB	0.20 dB

Linearity level on the reference range (Test #14)[1]

Range: 40 to 130 dB
Input Frequency: 1 kHz
SLM Measuring Mode: SPL

Range	Input Level[4]	SLM Reading	SLM Error of Indication[5]	Tolerance[6] (±)	Uncertainty of Measurement (±)
130 dB	94 dB	94.0 dB	0.0 dB	1.1 dB	0.20 dB
	99	99.0	0.0	1.1	0.20
	104	104.0	0.0	1.1	0.20
	109	109.0	0.0	1.1	0.20
	114	113.9	-0.1	1.1	0.20
	119	118.9	-0.1	1.1	0.20
	124	123.9	-0.1	1.1	0.20
	129	129.0	0.0	1.1	0.20
	94	94.0	0.0	1.1	0.20
	89	89.0	0.0	1.1	0.20
	84	84.0	0.0	1.1	0.20
	79	79.0	0.0	1.1	0.20
	74	74.0	0.0	1.1	0.20
	69	69.0	0.0	1.1	0.20
	64	64.0	0.0	1.1	0.20
	59	58.9	-0.1	1.1	0.21
	54	54.0	0.0	1.1	0.21
	49	49.0	0.0	1.1	0.21
	44	43.9	-0.1	1.1	0.21

Level Linearity including Range Control (Test #15)[1]

Input Frequency: 1 kHz
SLM Measuring Mode: SPL

Range	Input Level[3]	SLM Reading	SLM Error of Indication[5]	Tolerance[6] (±)	Uncertainty of Measurement (±)
130 dB	94.0 dB	94.0 dB	0.0 dB	1.1 dB	0.20 dB
	125.0	125.0	0.0	1.1	0.20
120 dB	94.0 dB	93.9 dB	-0.1 dB	1.1 dB	0.20 dB
	115.0	114.9	-0.1	1.1	0.20
110 dB	94.0 dB	94.0 dB	0.0 dB	1.1 dB	0.20 dB
	105.0	105.0	0.0	1.1	0.20
100 dB	94.0 dB	94.0 dB	0.0 dB	1.1 dB	0.20 dB
	95.0	95.0	0.0	1.1	0.20
90 dB	85.0 dB	85.0 dB	0.0 dB	1.1 dB	0.20 dB
80 dB	75.0 dB	74.9 dB	-0.1 dB	1.1 dB	0.20 dB

Toneburst response (Test #16)[1]

Range: 40 to 130 dB

Burst Type	SLM Mode	Input Level[4]	SLM Error of Indication[5]	Tolerance[6] (±)	Uncertainty of Measurement (±)
200 ms	LAF	116.0 dB	-0.1 dB	0.8 dB	0.3 dB
2.0 ms	LAF	99.0	-0.1	1.3	0.3
0.25 msec	LAF	90.0	-0.2	1.3, -3.3	0.3
200 ms	LAS	109.6 dB	-0.1 dB	0.8 dB	0.3 dB
2.0 ms	LAS	90.0	-0.1	1.3, -1.8	0.3
200 ms	SEL	110.0 dB	-0.1 dB	0.8 dB	0.3 dB
2.0 ms	SEL	90.3	-0.1	1.3	0.3
0.25 ms	SEL	81.0	-0.2	1.3, -3.3	0.3

Peak C sound level (Test #17)[1]

Range: 40 to 130 dB

Pulse Type	Pulse Frequency	Input Level[4] (peak value)	SLM Error of Indication[5]	Tolerance[6] (±)	Uncertainty of Measurement (±)
1 cycle	8 kHz	133.4 dB	0.0 dB	2.4 dB	0.35 dB
Pos. ½ cycle	500 Hz	132.4 dB	-0.3 dB	1.4 dB	0.35 dB
Neg. ½ cycle	500 Hz	132.4 dB	-0.3 dB	1.4 dB	0.35 dB

Overload indication (Test #18)[1]

Range: 40 to 130 dB
SLM Measuring Mode: LAEq

Test description	Overload occurred at (±)	Meas. Diff. (Pos – Neg)	Tolerance[6] (±)	Uncertainty of Measurement (±)
Positive ½ cycle at 4 kHz	139.3 dB	-	-	-
Negative ½ cycle at 4 kHz	139.1 dB	-	-	-
Level difference of positive & negative pulses	-	0.2 dB	1.8 dB	0.30 dB

Notes:

(1) The test number, given in parentheses after the section heading, refers to the relevant clause in IEC 61672-3 (2006).

(2) SLM denotes Sound Level Meter

(3) U/R denotes Under Range

(4) All input levels are given in dB relative to a 20 µPa reference level.

(5) The SLM Error of Indication is defined as follows:
SLM Error of Indication = SLM Reading - Input Level

(6) The figures in the column labelled 'Tolerance' are the acceptance limits given in IEC 61672-1(2003). These tolerance limits include an allowance for the maximum expanded uncertainty of the test laboratory. The criteria for compliance with the tolerance is that the measurement result, extended by its associated uncertainty, lies within the specified limits.

(7) Microphone response at 4 kHz was measured using an electrostatic actuator. A Free Field correction of +1.2 dB was applied to the measured actuator response.
This measurement is not included in NML's tables of Calibration and Measurement Capabilities, approved under the CIPM MRA.
For information, the measured sensitivity and frequency response of the microphone is given in an addendum to this certificate.

Comments:

Where used in the results table, further information on the meaning of symbols is given in the table on page 2 of this certificate.

The instrument was found to meet the requirements of IEC 61672-1 (2003) in accordance with the verification procedures set out in IEC 61672-3 (2006) at the time of calibration.

The reported measurement results are traceable, via national standards maintained by NSAI National Metrology Laboratory (NML) or by other national metrology institutes, to internationally accepted realisations of the SI units.

The reported expanded uncertainty is based on the standard uncertainty multiplied by a coverage factor $k = 2$ which, for a normal probability distribution, corresponds to a coverage probability of approximately 95%. It has been determined in accordance with the "Guide to the Expression of Uncertainty in Measurement (GUM)". These uncertainties apply only to the measured values and do not carry any implication regarding the long-term stability of the instrument.

NSAI
National Metrology Laboratory

Addendum to Certificate 211433

Rion
Type: UC53A

Serial no: 313385

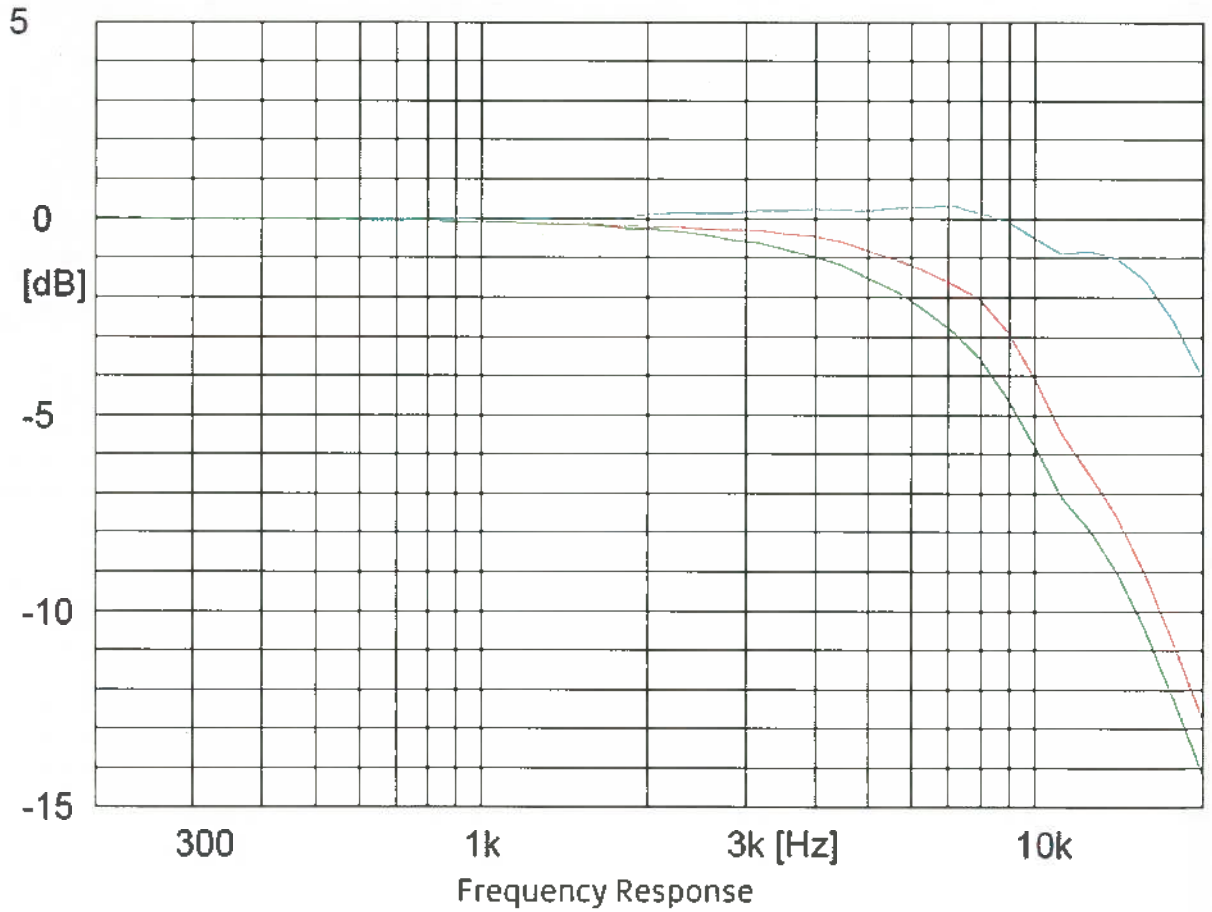
Sensitivity: 46.0 mV/Pa
-26.7 ±0.10 dB re. 1 V/Pa

Date: 16/04/2021

Measurement conditions:	
Polarisation voltage:	0.0 V
Pressure:	102.50 ±0.02 kPa
Temperature:	22.9 ±1.1 °C
Relative humidity:	46.5 ±7.9 %RH

Results are normalized to the reference conditions.

Free field response
Diffuse field response
Pressure (Actuator) response



NSAI

National Metrology Laboratory

Certificate of Calibration

Issued to	TNEI Group Floor 7 West One Forth Banks Newcastle Upon Tyne England
Attention of	Ewan Watson

Certificate Number	**211432**
Item Calibrated	Rion NL-31 Sound Level Meter, complete with Rion UC53A Microphone
Serial Numbers	01273087 (Sound Level Meter) and 313365 (Microphone)
ID Number	SLM012
Order Number	1684
Date Received	13 Apr 2021
NML Procedure Number	AP-NM-09
Method	The above sound level meter was allowed to stabilise for a suitable period in laboratory conditions. It was then calibrated by carrying out the verification tests detailed in IEC 61672-3 (2006), *Periodic tests, specification for the verification of sound level meters.* This standard specifies a procedure for the periodic verification of conformance of a sound level meter or integrating-averaging meter to IEC 61672-1 (2003).
Calibration Standards	Norsonic 1504A Calibration System incorporating: SR DS360 Signal Generator, No. 0735 [Cal Due Date: 21 May 2021] Agilent 34401A Digital Multimeter, No. 0736 [Cal Due Date: 21 May 2021] B&K 4134 Measuring Microphone, No. 0743 [Cal Due Date: 27 May 2022] B&K 4228 Pistonphone, No. 0741 [Cal Due Date: 26 May 2022] B&K 4226 Acoustical Calibrator, No. 0150 [Cal Due Date: 02 Sep 2021]

Calibrated by	David Fleming	**Approved by**	Paul Hetherington
Date of Calibration	16 Apr 2021	**Date of Issue**	16 Apr 2021

CIPM MRA

This certificate is consistent with Calibration and Measurement Capabilities (CMC's) that are included in Appendix C of the Mutual Recognition Arrangement (MRA) drawn up by the International Committee for Weights and Measures. Under the MRA, all participating institutes recognize the validity of each other's calibration certificates and measurement reports for quantities, ranges and measurement uncertainties specified in Appendix C (for details see www.bipm.org)

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2. No action or legal proceeding shall be taken (except in the case of wilful neglect or default) against NSAI or the Board or any member of the Board or any committee appointed by the Board or any officer or servant of NSAI, by reason of or arising out of the carrying out of any research, investigation, test or analysis or the publication of the results thereof in the name of NSAI.
3. NSAI will not release any information received from or provided to the client in relation to this report except as may be required by law, including the Freedom of Information Act 1997, or as specified by the client.
4. This certificate relates only to the item(s) described on the front page and shall not be reproduced, except in full.
5. This contract is governed by the laws of Ireland whose courts shall have exclusive jurisdiction.

Decision Rule and Compliance Statement

The rule that describes how measurement uncertainty is accounted for when stating conformity with a specified requirement is known as a decision rule. The rule used by NSAI NML follows the guidelines set out in the document ILAC-G8:09/2019 published by the International Laboratory Accreditation Co-operation. Further information on the decision rule is available on the NSAI website:
(https://www.nsai.ie/images/uploads/metrology/Decision_Rule.pdf).

The symbols used to indicate the state of compliance of the instrument calibration and their meanings are given in the following table.

Statement of compliance and associated symbol	Description
PASS	The absence of a symbol indicates that the measurement result is inside the specification limit by a margin greater than its associated expanded uncertainty; the instrument meets its accuracy specification.
Conditional PASS Symbol: £	The measurement result is inside the specification limit by a margin less than or equal to its associated expanded measurement uncertainty; it is therefore not possible to state compliance. There is a risk that the instrument fails to meet its specification.
Conditional FAIL Symbol: &	The measurement result is on the specification limit or is outside the specification limit by a margin less than or equal to its associated expanded measurement uncertainty; it is therefore not possible to state non-compliance.
FAIL Symbol: $	The measurement result is outside the specification limit by a margin greater than its associated measurement uncertainty; the instrument fails to meet its accuracy specification.
Unc. > Spec Symbol: #	The expanded measurement uncertainty is greater than the instrument's accuracy specification. It is not possible to determine compliance or otherwise with the specification. The user should expand the in-use accuracy specification to make allowance for the calibration uncertainty.
Outside CIPM MRA Symbol: ¢	Indicates that the calibration result is traceable to SI units but is not currently included in the table of NSAI NML's calibration and measurement capabilities approved under the CIPM MRA.

Where no specification exists, and none is prescribed by the client, the Decision Rule policy of the NSAI NML does not apply and results are provided without a statement of compliance.

Ambient laboratory conditions:

Barometric Pressure:	102.6 kPa ± 0.5 kPa
Temperature:	22.2 °C ± 1 °C
Relative Humidity:	37 %RH ± 5%RH

Summary of Results:

The following table summarises the results of the verification tests. The detailed results are given in the subsequent tables.

IEC 61672 Test	Test Title	Status
10	Self-generated Noise (Electrical)	/
11	Acoustical Signal	PASS
12	Frequency Weighting	PASS
13	Frequency and Time Weighting @ 1 kHz	PASS
14	Level Linearity Test on Reference Level Range	PASS
15	Level Linearity including Range Control	PASS
16	Toneburst Response	PASS
17	Peak C	PASS
18	Overload Indication	PASS

Detailed Results.

Prior to carrying out the verification tests the sound level meter was confirmed to be reading correctly for pressure response through application of a reference acoustical calibrator.

Self-generated Noise Test (Electrical Input) (Test #10) (1)

Range: 20 - 80 dB
Mode: Leq

SLM Configuration	Freq. Weighting Network	SLM Reading(2)
Microphone installed	A	20.1 dB
Microphone replaced by electrical signal device and Fitted with a short-circuit	A	17.1 (U/R)(3)
	C	24.1
	Z (Linear)	31.1

Acoustical signal test of a frequency weighting (Test #11) (1)

Range: 20 - 110 dB
Frequency Weighting setting: C
Time Weighting response: Slow

Input Level(4)	Input Freq.	SLM Error of Indication(5)	Tolerance(6) (±)	Uncertainty of Measurement (±)
94.0 dB	1000 Hz	0.0 dB (Ref)	1.1 dB	0.3 dB
	125	+0.2	1.5	0.3
	4000(7)	-0.1	1.6	0.5

Electrical signal tests of frequency weightings (Test #12)[1]

Range: 20 - 110 dB

Freq. (nominal)	Input Level[4]	SLM Reading	SLM Error of Indication[5]	Tolerance[6] (±)	Uncertainty of Measurement (±)
A-Weighting					
63 Hz	93 dB	92.8 dB	-0.2 dB	1.5 dB	0.20 dB
125	93	92.8	-0.2	1.5	0.20
250	93	92.8	-0.2	1.4	0.20
500	93	92.9	-0.1	1.4	0.20
1000	93	93.0	0.0	1.1	0.20
2000	93	93.0	0.0	1.6	0.20
4000	93	93.1	+0.1	1.6	0.20
8000	93	93.1	+0.1	2.1, -3.1	0.20
16000	93	93.3	+0.3	3.5, -17	0.20
C-Weighting					
63 Hz	93 dB	92.9 dB	-0.1 dB	1.5 dB	0.20 dB
125	93	92.9	-0.1	1.5	0.20
250	93	92.9	-0.1	1.4	0.20
500	93	93.0	0.0	1.4	0.20
1000	93	93.0	0.0	1.1	0.20
2000	93	93.0	0.0	1.6	0.20
4000	93	93.1	+0.1	1.6	0.20
8000	93	93.1	+0.1	2.1, -3.1	0.20
16000	93	93.4	+0.4	3.5, -17	0.20
LIN Weighting					
63 Hz	93 dB	92.7 dB	-0.3 dB	1.5 dB	0.20 dB
125	93	92.9	-0.1	1.5	0.20
250	93	92.9	-0.1	1.4	0.20
500	93	92.9	-0.1	1.4	0.20
1000	93	93.0	0.0	1.1	0.20
2000	93	93.0	0.0	1.6	0.20
4000	93	93.1	+0.1	1.6	0.20
8000	93	92.9	-0.1	2.1, -3.1	0.20
16000	93	92.4	-0.6	3.5, -17	0.20

Frequency and time weightings at 1 kHz (Test #13)[1]

Range: 30 - 120 dB

Time Weighting Setting	Frequency Weighting Setting	Input Level[4]	Deviation from Reference	Tolerance[6] (±)	Uncertainty. of Measurement (±)
Fast	A	94.0 dB	0.0 dB	0.4 dB	0.20 dB
	C		0.0	0.4	0.20
	Z		0.0	0.4	0.20
Slow	A	94.0 dB	0.0 dB	0.3 dB	0.20 dB
Leq.	A	94.0 dB	0.0 dB	0.3 dB	0.20 dB
SEL	A	114.0 dB	0.0 dB	0.3 dB	0.20 dB

Linearity level on the reference range (Test #14)[1]

Range: 40 to 130 dB
Input Frequency: 1 kHz
SLM Measuring Mode: SPL

Range	Input Level[4]	SLM Reading	SLM Error of Indication[5]	Tolerance[6] (±)	Uncertainty of Measurement (±)
130 dB	94 dB	94.0 dB	0.0 dB	1.1 dB	0.20 dB
	99	99.0	0.0	1.1	0.20
	104	104.0	0.0	1.1	0.20
	109	109.0	0.0	1.1	0.20
	114	114.0	0.0	1.1	0.20
	119	119.0	0.0	1.1	0.20
	124	124.0	0.0	1.1	0.20
	129	129.0	0.0	1.1	0.20
	94	94.0	0.0	1.1	0.20
	89	89.0	0.0	1.1	0.20
	84	84.0	0.0	1.1	0.20
	79	79.0	0.0	1.1	0.20
	74	74.0	0.0	1.1	0.20
	69	69.0	0.0	1.1	0.20
	64	64.0	0.0	1.1	0.20
	59	59.0	0.0	1.1	0.21
	54	54.0	0.0	1.1	0.21
	49	49.0	0.0	1.1	0.21
	44	44.0	0.0	1.1	0.21

Level Linearity including Range Control (Test #15)[1]

Input Frequency: 1 kHz
SLM Measuring Mode: SPL

Range	Input Level[3]	SLM Reading	SLM Error of Indication[5]	Tolerance[6] (±)	Uncertainty of Measurement (±)
130 dB	94.0 dB	94.0 dB	0.0 dB	1.1 dB	0.20 dB
	125.0	125.0	0.0	1.1	0.20
120 dB	94.0 dB	93.9 dB	-0.1 dB	1.1 dB	0.20 dB
	115.0	114.9	-0.1	1.1	0.20
110 dB	94.0 dB	93.9 dB	-0.1 dB	1.1 dB	0.20 dB
	105.0	104.9	-0.1	1.1	0.20
100 dB	94.0 dB	94.0 dB	0.0 dB	1.1 dB	0.20 dB
	95.0	95.0	0.0	1.1	0.20
90 dB	85.0 dB	85.0 dB	0.0 dB	1.1 dB	0.20 dB
80 dB	75.0 dB	74.9 dB	-0.1 dB	1.1 dB	0.20 dB

Toneburst response (Test #16)[1]

Range: 40 to 130 dB

Burst Type	SLM Mode	Input Level[4]	SLM Error of Indication[5]	Tolerance[6] (±)	Uncertainty of Measurement (±)
200 ms	LAF	116.0 dB	0.0 dB	0.8 dB	0.3 dB
2.0 ms	LAF	99.0	0.0	1.3	0.3
0.25 msec	LAF	90.0	-0.1	1.3, -3.3	0.3
200 ms	LAS	109.6 dB	-0.1 dB	0.8 dB	0.3 dB
2.0 ms	LAS	90.0	-0.1	1.3, -1.8	0.3
200 ms	SEL	110.0 dB	0.0 dB	0.8 dB	0.3 dB
2.0 ms	SEL	90.3	0.0	1.3	0.3
0.25 ms	SEL	81.0	-0.2	1.3, -3.3	0.3

Peak C sound level (Test #17)[1]

Range: 40 to 130 dB

Pulse Type	Pulse Frequency	Input Level[4] (peak value)	SLM Error of Indication[5]	Tolerance[6] (±)	Uncertainty of Measurement (±)
1 cycle	8 kHz	133.4 dB	-0.2 dB	2.4 dB	0.35 dB
Pos. ½ cycle	500 Hz	132.4 dB	-0.4 dB	1.4 dB	0.35 dB
Neg. ½ cycle	500 Hz	132.4 dB	-0.4 dB	1.4 dB	0.35 dB

Overload indication (Test #18)[1]

Range: 40 to 130 dB
SLM Measuring Mode: LAEq

Test description	Overload occurred at (±)	Meas. Diff. (Pos – Neg)	Tolerance[6] (±)	Uncertainty of Measurement (±)
Positive ½ cycle at 4 kHz	139.3 dB	-	-	-
Negative ½ cycle at 4 kHz	139.2 dB	-	-	-
Level difference of positive & negative pulses	-	0.1 dB	1.8 dB	0.30 dB

Notes:

(1) The test number, given in parentheses after the section heading, refers to the relevant clause in IEC 61672-3 (2006).

(2) SLM denotes Sound Level Meter

(3) U/R denotes Under Range

(4) All input levels are given in dB relative to a 20 µPa reference level.

(5) The SLM Error of Indication is defined as follows:
SLM Error of Indication = SLM Reading - Input Level

(6) The figures in the column labelled 'Tolerance' are the acceptance limits given in IEC 61672-1(2003). These tolerance limits include an allowance for the maximum expanded uncertainty of the test laboratory. The criteria for compliance with the tolerance is that the measurement result, extended by its associated uncertainty, lies within the specified limits.

(7) Microphone response at 4 kHz was measured using an electrostatic actuator. A Free Field correction of +1.2 dB was applied to the measured actuator response.
This measurement is not included in NML's tables of Calibration and Measurement Capabilities, approved under the CIPM MRA.
For information, the measured sensitivity and frequency response of the microphone is given in an addendum to this certificate.

Comments:

Where used in the results table, further information on the meaning of symbols is given in the table on page 2 of this certificate.

The instrument was found to meet the requirements of IEC 61672-1 (2003) in accordance with the verification procedures set out in IEC 61672-3 (2006) at the time of calibration.

The reported measurement results are traceable, via national standards maintained by NSAI National Metrology Laboratory (NML) or by other national metrology institutes, to internationally accepted realisations of the SI units.

The reported expanded uncertainty is based on the standard uncertainty multiplied by a coverage factor $k = 2$ which, for a normal probability distribution, corresponds to a coverage probability of approximately 95%. It has been determined in accordance with the "Guide to the Expression of Uncertainty in Measurement (GUM)". These uncertainties apply only to the measured values and do not carry any implication regarding the long-term stability of the instrument.

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Addendum to Certificate 211432

Rion
Type: UC53A

Serial no: 313365

Sensitivity: 46.1 mV/Pa
-26.7 ±0.10 dB re. 1 V/Pa

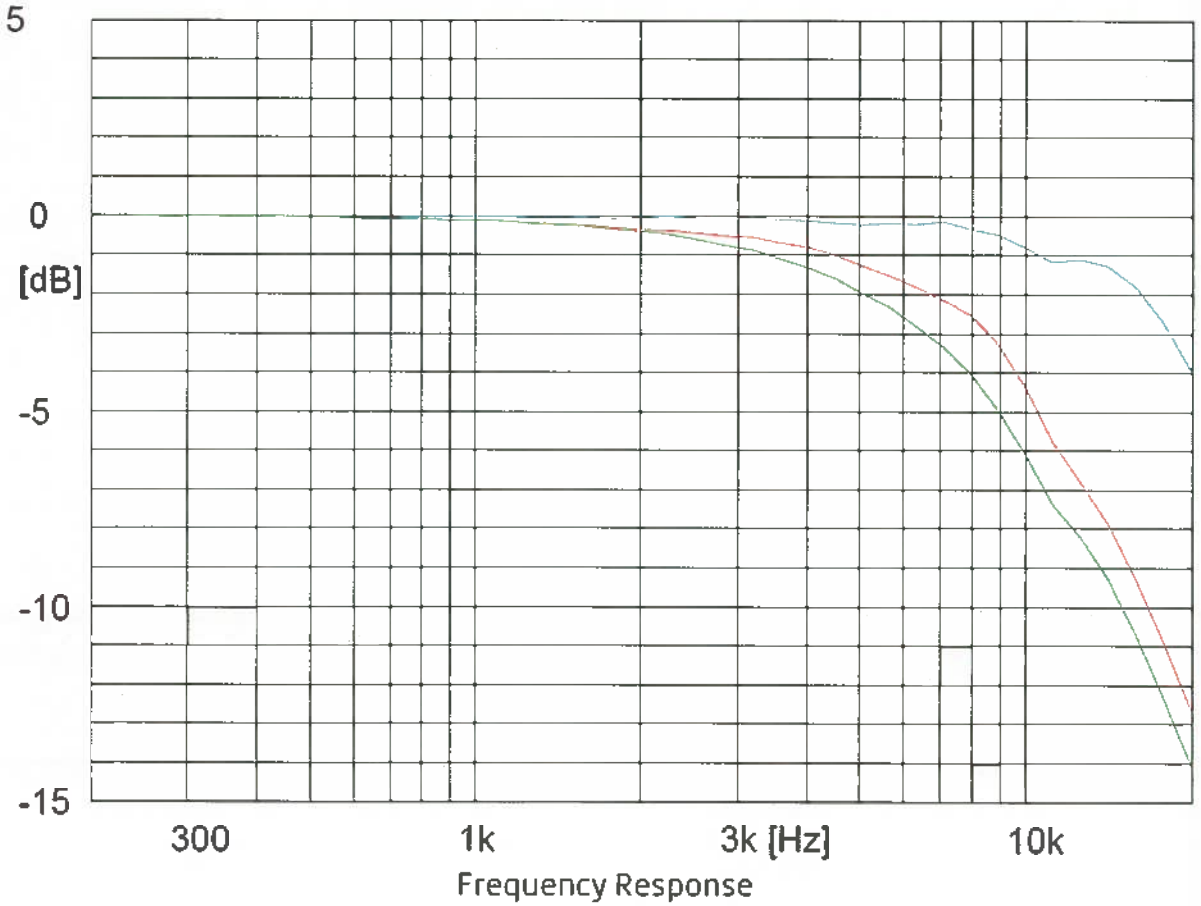
Date: 16/04/2021

Measurement conditions:

Polarisation voltage:	0.0 V
Pressure:	102.62 ±0.03 kPa
Temperature:	22.2 ±1.1 °C
Relative humidity:	43.5 ±5.4 %RH

Results are normalized to the reference conditions.

Free field response
Diffuse field response
Pressure (Actuator) response



NSAI

National Metrology Laboratory

Certificate of Calibration

Issued to	TNEI Group Floor 7 West One Forth Banks Newcastle Upon Tyne England
Attention of	Ewan Watson

Certificate Number	**212989**
Item Calibrated	Rion NL-31 Sound Level Meter, complete with Rion UC53A Microphone
Serial Numbers	01283554 (Sound Level Meter) and 315581 (Microphone)
ID Number	SLM018
Order Number	1696
Date Received	20 Jul 2021
NML Procedure Number	AP-NM-09
Method	The above sound level meter was allowed to stabilise for a suitable period in laboratory conditions. It was then calibrated by carrying out the verification tests detailed in IEC 61672-3 (2006), *Periodic tests, specification for the verification of sound level meters.* This standard specifies a procedure for the periodic verification of conformance of a sound level meter or integrating-averaging meter to IEC 61672-1 (2003).
Calibration Standards	Norsonic 1504A Calibration System incorporating: SR DS360 Signal Generator, No. 0735 [Cal Due Date: 10 Jun 2022] Agilent 34401A Digital Multimeter, No. 0736 [Cal Due Date: 10 Jun 2022] B&K 4134 Measuring Microphone, No. 0743 [Cal Due Date: 27 May 2022] B&K 4228 Pistonphone, No. 0741 [Cal Due Date: 26 May 2022] B&K 4226 Acoustical Calibrator, No. 0150 [Cal Due Date: 02 Sep 2021]

Calibrated by	David Fleming	**Approved by**	Paul Hetherington
Date of Calibration	04 Aug 2021	**Date of Issue**	04 Aug 2021

CIPM MRA

This certificate is consistent with Calibration and Measurement Capabilities (CMC's) that are included in Appendix C of the Mutual Recognition Arrangement (MRA) drawn up by the International Committee for Weights and Measures. Under the MRA, all participating institutes recognize the validity of each other's calibration certificates and measurement reports for quantities, ranges and measurement uncertainties specified in Appendix C (for details see www.bipm.org).

Standard Terms & Conditions for Calibration, Testing and Consultancy Assignments

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5. This contract is governed by the laws of Ireland whose courts shall have exclusive jurisdiction.

Decision Rule and Compliance Statement

The rule that describes how measurement uncertainty is accounted for when stating conformity with a specified requirement is known as a decision rule. The rule used by NSAI NML follows the guidelines set out in the document ILAC-G8:09/2019 published by the International Laboratory Accreditation Co-operation. Further information on the decision rule is available on the NSAI website:
(https://www.nsai.ie/images/uploads/metrology/Decision_Rule.pdf).

The symbols used to indicate the state of compliance of the instrument calibration and their meanings are given in the following table.

Statement of compliance and associated symbol	Description
PASS	The absence of a symbol indicates that the measurement result is inside the specification limit by a margin greater than its associated expanded uncertainty; the instrument meets its accuracy specification.
Conditional PASS Symbol: £	The measurement result is inside the specification limit by a margin less than or equal to its associated expanded measurement uncertainty; it is therefore not possible to state compliance. There is a risk that the instrument fails to meet its specification.
Conditional FAIL Symbol: &	The measurement result is on the specification limit or is outside the specification limit by a margin less than or equal to its associated expanded measurement uncertainty; it is therefore not possible to state non-compliance.
FAIL Symbol: $	The measurement result is outside the specification limit by a margin greater than its associated measurement uncertainty; the instrument fails to meet its accuracy specification.
Unc. > Spec Symbol: #	The expanded measurement uncertainty is greater than the instrument's accuracy specification. It is not possible to determine compliance or otherwise with the specification. The user should expand the in-use accuracy specification to make allowance for the calibration uncertainty.
Outside CIPM MRA Symbol: ¢	Indicates that the calibration result is traceable to SI units but is not currently included in the table of NSAI NML's calibration and measurement capabilities approved under the CIPM MRA.

Where no specification exists, and none is prescribed by the client, the Decision Rule policy of the NSAI NML does not apply and results are provided without a statement of compliance.

Ambient laboratory conditions:

Barometric Pressure:	100.6 kPa ± 0.5 kPa
Temperature:	22.4 °C ± 1 °C
Relative Humidity:	53 %RH ± 5%RH

Summary of Results:

The following table summarises the results of the verification tests. The detailed results are given in the subsequent tables.

IEC 61672 Test	Test Title	Status
10	Self-generated Noise (Electrical)	/
11	Acoustical Signal	PASS
12	Frequency Weighting	PASS
13	Frequency and Time Weighting @ 1 kHz	PASS
14	Level Linearity Test on Reference Level Range	PASS
15	Level Linearity including Range Control	PASS
16	Toneburst Response	PASS
17	Peak C	PASS
18	Overload Indication	PASS

Detailed Results.

Prior to carrying out the verification tests the sound level meter was adjusted to read correctly for pressure response through application of a reference acoustical calibrator.

Self-generated Noise Test (Electrical Input) (Test #10) [1]

Range: 20 - 80 dB
Mode: Leq

SLM Configuration	Freq. Weighting Network	SLM Reading[2]
Microphone installed	A	12.9 dB
Microphone replaced by electrical signal device and Fitted with a short-circuit	A	16.8 (U/R)[3]
	C	24.1
	Z (Linear)	29.1

Acoustical signal test of a frequency weighting (Test #11)[1]

Range: 20 - 110 dB
Frequency Weighting setting: C
Time Weighting response: Slow

Input Level[4]	Input Freq.	SLM Error of Indication[5]	Tolerance[6] (±)	Uncertainty of Measurement (±)
94.0 dB	1000 Hz	0.0 dB (Ref)	1.1 dB	0.3 dB
	125	+0.1	1.5	0.3
	4000[7]	+0.5	1.6	0.5

Electrical signal tests of frequency weightings (Test #12)[1]

Range: 20 - 110 dB

Freq. (nominal)	Input Level[4]	SLM Reading	SLM Error of Indication[5]	Tolerance[6] (±)	Uncertainty of Measurement (±)
A-Weighting					
63 Hz	93 dB	92.7 dB	-0.3 dB	1.5 dB	0.20 dB
125	93	92.9	-0.1	1.5	0.20
250	93	92.9	-0.1	1.4	0.20
500	93	93.0	0.0	1.4	0.20
1000	93	93.1	+0.1	1.1	0.20
2000	93	93.1	+0.1	1.6	0.20
4000	93	93.2	+0.2	1.6	0.20
8000	93	93.2	+0.2	2.1, -3.1	0.20
16000	93	93.4	+0.4	3.5, -17	0.20
C-Weighting					
63 Hz	93 dB	92.9 dB	-0.1 dB	1.5 dB	0.20 dB
125	93	93.1	+0.1	1.5	0.20
250	93	93.1	+0.1	1.4	0.20
500	93	93.2	+0.2	1.4	0.20
1000	93	93.2	+0.2	1.1	0.20
2000	93	93.2	+0.2	1.6	0.20
4000	93	93.3	+0.3	1.6	0.20
8000	93	93.3	+0.3	2.1, -3.1	0.20
16000	93	93.5	+0.5	3.5, -17	0.20
LIN Weighting					
63 Hz	93 dB	92.7 dB	-0.3 dB	1.5 dB	0.20 dB
125	93	92.9	-0.1	1.5	0.20
250	93	93.0	0.0	1.4	0.20
500	93	93.1	+0.1	1.4	0.20
1000	93	93.1	+0.1	1.1	0.20
2000	93	93.2	+0.2	1.6	0.20
4000	93	93.3	+0.3	1.6	0.20
8000	93	93.1	+0.1	2.1, -3.1	0.20
16000	93	92.6	-0.4	3.5, -17	0.20

Frequency and time weightings at 1 kHz (Test #13)[1]

Range: 30 - 120 dB

Time Weighting Setting	Frequency Weighting Setting	Input Level[4]	Deviation from Reference	Tolerance[6] (±)	Uncertainty. of Measurement (±)
Fast	A	94.0 dB	0.0 dB	0.4 dB	0.20 dB
	C		+0.1	0.4	0.20
	Z		+0.1	0.4	0.20
Slow	A	94.0 dB	0.0 dB	0.3 dB	0.20 dB
Leq.	A	94.0 dB	0.0 dB	0.3 dB	0.20 dB
SEL	A	114.0 dB	0.0 dB	0.3 dB	0.20 dB

Linearity level on the reference range (Test #14)[1]

Range: 40 to 130 dB
Input Frequency: 1 kHz
SLM Measuring Mode: SPL

Range	Input Level[4]	SLM Reading	SLM Error of Indication[5]	Tolerance[6] (±)	Uncertainty of Measurement (±)
130 dB	94 dB	94.0 dB	0.0 dB	1.1 dB	0.20 dB
	99	99.0	0.0	1.1	0.20
	104	104.0	0.0	1.1	0.20
	109	109.0	0.0	1.1	0.20
	114	114.0	0.0	1.1	0.20
	119	119.0	0.0	1.1	0.20
	124	124.0	0.0	1.1	0.20
	129	129.0	0.0	1.1	0.20
	132	132.0	0.0	1.1	0.20
	133	133.0	0.0	1.1	0.20
	134	134.0	0.0	1.1	0.20
	135	135.0	0.0	1.1	0.20
	136	136.0	0.0	1.1	0.20
	94	94.0	0.0	1.1	0.20
	89	89.0	0.0	1.1	0.20
	84	84.0	0.0	1.1	0.20
	79	79.0	0.0	1.1	0.20
	74	74.0	0.0	1.1	0.20
	69	69.0	0.0	1.1	0.20
	64	64.0	0.0	1.1	0.20
	59	59.0	0.0	1.1	0.21
	54	54.0	0.0	1.1	0.21
	49	49.0	0.0	1.1	0.21
	44	44.0	0.0	1.1	0.21

Level Linearity including Range Control (Test #15)[1]

Input Frequency: 1 kHz
SLM Measuring Mode: SPL

Range	Input Level[3]	SLM Reading	SLM Error of Indication[5]	Tolerance[6] (±)	Uncertainty of Measurement (±)
130 dB	94.0 dB	94.0 dB	0.0 dB	1.1 dB	0.20 dB
	125.0	125.0	0.0	1.1	0.20
120 dB	94.0 dB	94.0 dB	0.0 dB	1.1 dB	0.20 dB
	115.0	115.1	+0.1	1.1	0.20
110 dB	94.0 dB	94.0 dB	0.0 dB	1.1 dB	0.20 dB
	105.0	105.0	0.0	1.1	0.20
100 dB	94.0 dB	94.0 dB	0.0 dB	1.1 dB	0.20 dB
	95.0	95.0	0.0	1.1	0.20
90 dB	85.0 dB	84.9 dB	-0.1 dB	1.1 dB	0.20 dB
80 dB	75.0 dB	74.9 dB	-0.1 dB	1.1 dB	0.20 dB

Toneburst response (Test #16)[1]

Range: 40 to 130 dB

Burst Type	SLM Mode	Input Level[4]	SLM Error of Indication[5]	Tolerance[6] (±)	Uncertainty of Measurement (±)
200 ms	LAF	116.0 dB	0.0 dB	0.8 dB	0.3 dB
2.0 ms	LAF	99.0	0.0	1.3	0.3
0.25 msec	LAF	90.0	-0.1	1.3, -3.3	0.3
200 ms	LAS	109.6 dB	-0.1 dB	0.8 dB	0.3 dB
2.0 ms	LAS	90.0	-0.1	1.3, -1.8	0.3
200 ms	SEL	110.0 dB	0.0 dB	0.8 dB	0.3 dB
2 .0 ms	SEL	90.3	0.0	1.3	0.3
0.25 ms	SEL	81.0	0.0	1.3, -3.3	0.3

Peak C sound level (Test #17)[1]

Range: 40 to 130 dB

Pulse Type	Pulse Frequency	Input Level[4] (peak value)	SLM Error of Indication[5]	Tolerance[6] (±)	Uncertainty of Measurement (±)
1 cycle	8 kHz	133.4 dB	-0.7 dB	2.4 dB	0.35 dB
Pos. ½ cycle	500 Hz	132.4 dB	-0.4 dB	1.4 dB	0.35 dB
Neg. ½ cycle	500 Hz	132.4 dB	-0.3 dB	1.4 dB	0.35 dB

Overload indication (Test #18)[1]

Range: 40 to 130 dB
SLM Measuring Mode: LAEq

Test description	Overload occurred at (±)	Meas. Diff. (Pos – Neg)	Tolerance[6] (±)	Uncertainty of Measurement (±)
Positive ½ cycle at 4 kHz	139.1 dB	-	-	-
Negative ½ cycle at 4 kHz	139.1 dB	-	-	-
Level difference of positive & negative pulses	-	0.0 dB	1.8 dB	0.30 dB

Notes:

(1) The test number, given in parentheses after the section heading, refers to the relevant clause in IEC 61672-3 (2006).

(2) SLM denotes Sound Level Meter

(3) U/R denotes Under Range

(4) All input levels are given in dB relative to a 20 µPa reference level.

(5) The SLM Error of Indication is defined as follows:
SLM Error of Indication = SLM Reading - Input Level

(6) The figures in the column labelled 'Tolerance' are the acceptance limits given in IEC 61672-1(2003). These tolerance limits include an allowance for the maximum expanded uncertainty of the test laboratory. The criteria for compliance with the tolerance is that the measurement result, extended by its associated uncertainty, lies within the specified limits.

(7) Microphone response at 4 kHz was measured using an electrostatic actuator. A Free Field correction of +1.2 dB was applied to the measured actuator response.
This measurement is not included in NML's tables of Calibration and Measurement Capabilities, approved under the CIPM MRA.
For information, the measured sensitivity and frequency response of the microphone is given in an addendum to this certificate.

Comments:

Where used in the results table, further information on the meaning of symbols is given in the table on page 2 of this certificate.

The instrument was found to meet the requirements of IEC 61672-1 (2003) in accordance with the verification procedures set out in IEC 61672-3 (2006) at the time of calibration.

The reported measurement results are traceable, via national standards maintained by NSAI National Metrology Laboratory (NML) or by other national metrology institutes, to internationally accepted realisations of the SI units.

The reported expanded uncertainty is based on the standard uncertainty multiplied by a coverage factor $k = 2$ which, for a normal probability distribution, corresponds to a coverage probability of approximately 95%. It has been determined in accordance with the "Guide to the Expression of Uncertainty in Measurement (GUM)". These uncertainties apply only to the measured values and do not carry any implication regarding the long-term stability of the instrument.

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Addendum to Certificate 212989

Rion
Type: UC53A

Serial no: 315581

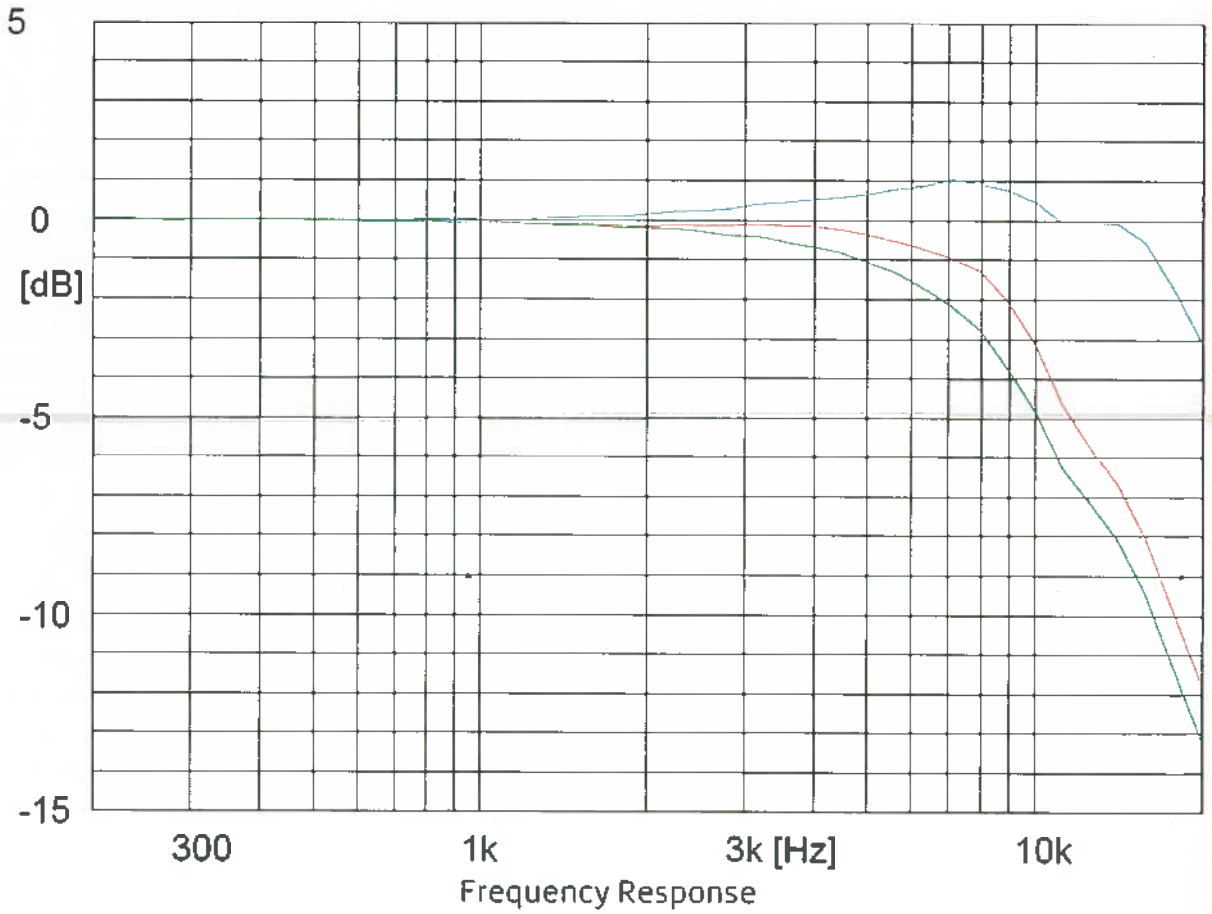
Sensitivity: 42.0 mV/Pa
-27.5 ±0.10 dB re. 1 V/Pa

Date: 04/08/2021

Measurement conditions:	
Polarisation voltage:	0.0 V
Pressure:	100.72 ±0.02 kPa
Temperature:	21.9 ±1.1 °C
Relative humidity:	53.5 ±2.4 %RH

Results are normalized to the reference conditions.

Free field response
Diffuse field response
Pressure (Actuator) response



NSAI

National Metrology Laboratory

Certificate of Calibration

Issued to

TNEI Group
Synergy Centre
TU Dublin
Tallaght
Dublin 24

Certificate Number	223016
Item Calibrated	Rion NL-31 Sound Level Meter, complete with Rion UC53A Microphone
Serial Numbers	00593595 (Sound Level Meter) and 313300 (Microphone)
ID Number	SLM019
Order Number	8
Date Received	11 Jul 2022
NML Procedure Number	AP-NM-09
Method	The above sound level meter was allowed to stabilise for a suitable period in laboratory conditions. It was then calibrated by carrying out the verification tests detailed in IEC 61672-3 (2006), *Periodic tests, specification for the verification of sound level meters.* This standard specifies a procedure for the periodic verification of conformance of a sound level meter or integrating-averaging meter to IEC 61672-1 (2003).
Calibration Standards	Norsonic 1504A Calibration System incorporating: SR DS360 Signal Generator, No. 0735 [Cal Due Date: 05 Aug 2022] Agilent 34401A Digital Multimeter, No. 0736 [Cal Due Date: 05 Aug 2022] B&K 4134 Measuring Microphone, No. 0744 [Cal Due Date: 03 Jun 2023] B&K 4228 Pistonphone, No. 0740 [Cal Due Date: 04 Jun 2023] B&K 4226 Acoustical Calibrator, No. 0150 [Cal Due Date: 07 Oct 2022]

Calibrated by	David Fleming	**Approved by**	Paul Hetherington
Date of Calibration	23 Jul 2022	**Date of Issue**	23 Jul 2022

CIPM MRA

This certificate is consistent with Calibration and Measurement Capabilities (CMC's) that are included in Appendix C of the Mutual Recognition Arrangement (MRA) drawn up by the International Committee for Weights and Measures. Under the MRA, all participating institutes recognize the validity of each other's calibration certificates and measurement reports for quantities, ranges and measurement uncertainties specified in Appendix C (for details see www.bipm.org)

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2. No action or legal proceeding shall be taken (except in the case of wilful neglect or default) against NSAI or the Board or any member of the Board or any committee appointed by the Board or any officer or servant of NSAI, by reason of or arising out of the carrying out of any research, investigation, test or analysis or the publication of the results thereof in the name of NSAI.
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4. This certificate relates only to the item(s) described on the front page and shall not be reproduced, except in full.
5. This contract is governed by the laws of Ireland whose courts shall have exclusive jurisdiction.

Decision Rule and Compliance Statement

The rule that describes how measurement uncertainty is accounted for when stating conformity with a specified requirement is known as a decision rule. The rule used by NSAI NML follows the guidelines set out in the document ILAC-G8:09/2019 published by the International Laboratory Accreditation Co-operation. Further information on the decision rule is available on the NSAI website:

(https://www.nsai.ie/images/uploads/metrology/Decision_Rule.pdf).

The symbols used to indicate the state of compliance of the instrument calibration and their meanings are given in the following table.

Statement of compliance and associated symbol	Description
PASS	The absence of a symbol indicates that the measurement result is inside the specification limit by a margin greater than its associated expanded uncertainty; the instrument meets its accuracy specification.
Conditional PASS Symbol: £	The measurement result is inside the specification limit by a margin less than or equal to its associated expanded measurement uncertainty; it is therefore not possible to state compliance. There is a risk that the instrument fails to meet its specification.
Conditional FAIL Symbol: &	The measurement result is on the specification limit or is outside the specification limit by a margin less than or equal to its associated expanded measurement uncertainty; it is therefore not possible to state non-compliance.
FAIL Symbol: $	The measurement result is outside the specification limit by a margin greater than its associated measurement uncertainty; the instrument fails to meet its accuracy specification.
Unc. > Spec Symbol: #	The expanded measurement uncertainty is greater than the instrument's accuracy specification. It is not possible to determine compliance or otherwise with the specification. The user should expand the in-use accuracy specification to make allowance for the calibration uncertainty.
Outside CIPM MRA Symbol: ¢	Indicates that the calibration result is traceable to SI units but is not currently included in the table of NSAI NML's calibration and measurement capabilities approved under the CIPM MRA.

Where no specification exists, and none is prescribed by the client, the Decision Rule policy of the NSAI NML does not apply and results are provided without a statement of compliance.

Ambient laboratory conditions:

Barometric Pressure:	100.7 kPa ± 0.5 kPa
Temperature:	22.2 °C ± 1 °C
Relative Humidity:	56 %RH ± 5%RH

Summary of Results:

The following table summarises the results of the verification tests. The detailed results are given in the subsequent tables.

IEC 61672 Test	Test Title	Status
10	Self-generated Noise (Electrical)	/
11	Acoustical Signal	PASS
12	Frequency Weighting	PASS
13	Frequency and Time Weighting @ 1 kHz	See Comments
14	Level Linearity Test on Reference Level Range	PASS
15	Level Linearity including Range Control	PASS
16	Toneburst Response	PASS
17	Peak C	PASS
18	Overload Indication	PASS

Detailed Results.

Prior to carrying out the verification tests the sound level meter was confirmed to be reading correctly for pressure response through application of a reference acoustical calibrator.

Self-generated Noise Test (Electrical Input) (Test #10) (1)

Range: 20 - 80 dB
Mode: Leq

SLM Configuration	Freq. Weighting Network	SLM Reading(2)
Microphone installed	A	20.4 dB
Microphone replaced by electrical signal device and Fitted with a short-circuit	A	16.9 (U/R)(3)
	C	24.2
	Z (Linear)	31.1

Acoustical signal test of a frequency weighting (Test #11)(1)

Range: 20 - 110 dB
Frequency Weighting setting: C
Time Weighting response: Slow

Input Level(4)	Input Freq.	SLM Error of Indication(5)	Tolerance(6) (±)	Uncertainty of Measurement (±)
94.0 dB	1000 Hz	0.0 dB (Ref)	1.1 dB	0.3 dB
	125	+0.2	1.5	0.3
	4000(7)	+0.2	1.6	0.5

Electrical signal tests of frequency weightings (Test #12)[1]

Range: 20 - 110 dB

Freq. (nominal)	Input Level[4]	SLM Reading	SLM Error of Indication[5]	Tolerance[6] (±)	Uncertainty of Measurement (±)
A-Weighting					
63 Hz	93 dB	92.8 dB	-0.2 dB	1.5 dB	0.20 dB
125	93	92.9	-0.1	1.5	0.20
250	93	92.8	-0.2	1.4	0.20
500	93	92.9	-0.1	1.4	0.20
1000	93	93.0	0.0	1.1	0.20
2000	93	93.0	0.0	1.6	0.20
4000	93	93.1	+0.1	1.6	0.20
8000	93	93.0	0.0	2.1, -3.1	0.20
16000	93	93.2	+0.2	3.5, -17	0.20
C-Weighting					
63 Hz	93 dB	92.7 dB	-0.3 dB	1.5 dB	0.20 dB
125	93	93.0	0.0	1.5	0.20
250	93	93.0	0.0	1.4	0.20
500	93	93.0	0.0	1.4	0.20
1000	93	93.0	0.0	1.1	0.20
2000	93	93.0	0.0	1.6	0.20
4000	93	93.1	+0.1	1.6	0.20
8000	93	93.1	+0.1	2.1, -3.1	0.20
16000	93	93.2	+0.2	3.5, -17	0.20
LIN Weighting					
63 Hz	93 dB	92.8 dB	-0.2 dB	1.5 dB	0.20 dB
125	93	92.8	-0.2	1.5	0.20
250	93	93.0	0.0	1.4	0.20
500	93	93.0	0.0	1.4	0.20
1000	93	93.0	0.0	1.1	0.20
2000	93	93.0	0.0	1.6	0.20
4000	93	93.1	+0.1	1.6	0.20
8000	93	92.9	-0.1	2.1, -3.1	0.20
16000	93	92.5	-0.5	3.5, -17	0.20

Frequency and time weightings at 1 kHz (Test #13)[1]

Range: 30 - 120 dB

Time Weighting Setting	Frequency Weighting Setting	Input Level[4]	Deviation from Reference	Tolerance[6] (±)	Uncertainty of Measurement (±)
Fast	A	94.0 dB	0.0 dB	0.4 dB	0.20 dB
	C		0.2	0.4	0.20
	Z		+0.3 £	0.4	0.20
Slow	A	94.0 dB	-0.1 dB	0.3 dB	0.20 dB
Leq.	A	94.0 dB	0.0 dB	0.3 dB	0.20 dB
SEL	A	114.0 dB	0.0 dB	0.3 dB	0.20 dB

Linearity level on the reference range (Test #14)[1]

Range: 40 to 130 dB
Input Frequency: 1 kHz
SLM Measuring Mode: SPL

Range	Input Level[4]	SLM Reading	SLM Error of Indication[5]	Tolerance[6] (±)	Uncertainty of Measurement (±)
130 dB	94 dB	94.0 dB	0.0 dB	1.1 dB	0.20 dB
	99	99.0	0.0	1.1	0.20
	104	104.0	0.0	1.1	0.20
	109	108.9	-0.1	1.1	0.20
	114	113.9	-0.1	1.1	0.20
	119	118.9	-0.1	1.1	0.20
	124	123.9	-0.1	1.1	0.20
	129	129.0	0.0	1.1	0.20
	132	132.0	0.0	1.1	0.20
	133	133.0	0.0	1.1	0.20
	134	134.0	0.0	1.1	0.20
	135	135.0	0.0	1.1	0.20
	136	136.0	0.0	1.1	0.20
	94	94.0	0.0	1.1	0.20
	89	89.0	0.0	1.1	0.20
	84	84.0	0.0	1.1	0.20
	79	79.0	0.0	1.1	0.20
	74	74.0	0.0	1.1	0.20
	69	69.0	0.0	1.1	0.20
	64	64.0	0.0	1.1	0.20
	59	59.0	0.0	1.1	0.21
	54	54.0	0.0	1.1	0.21
	49	49.0	0.0	1.1	0.21
	44	44.0	0.0	1.1	0.21

Level Linearity including Range Control (Test #15)[1]

Input Frequency: 1 kHz
SLM Measuring Mode: SPL

Range	Input Level[3]	SLM Reading	SLM Error of Indication[5]	Tolerance[6] (±)	Uncertainty of Measurement (±)
130 dB	94.0 dB	94.0 dB	0.0 dB	1.1 dB	0.20 dB
	125.0	125.0	0.0	1.1	0.20
120 dB	94.0 dB	94.0 dB	0.0 dB	1.1 dB	0.20 dB
	115.0	115.0	0.0	1.1	0.20
110 dB	94.0 dB	94.0 dB	0.0 dB	1.1 dB	0.20 dB
	105.0	105.0	0.0	1.1	0.20
100 dB	94.0 dB	94.0 dB	0.0 dB	1.1 dB	0.20 dB
	95.0	95.0	0.0	1.1	0.20
90 dB	85.0 dB	84.9 dB	-0.1 dB	1.1 dB	0.20 dB
80 dB	75.0 dB	74.9 dB	-0.1 dB	1.1 dB	0.20 dB

Toneburst response (Test #16)[1]

Range: 40 to 130 dB

Burst Type	SLM Mode	Input Level[4]	SLM Error of Indication[5]	Tolerance[6] (±)	Uncertainty of Measurement (±)
200 ms	LAF	135.0 dB	0.0 dB	0.8 dB	0.3 dB
2.0 ms	LAF	118.0	0.0	1.3	0.3
0.25 msec	LAF	109.0	-0.1	1.3, -3.3	0.3
200 ms	LAS	128.6 dB	0.0 dB	0.8 dB	0.3 dB
2.0 ms	LAS	109.0	0.0	1.3, -1.8	0.3
200 ms	SEL	129.0 dB	0.0 dB	0.8 dB	0.3 dB
2.0 ms	SEL	109.0	0.0	1.3	0.3
0.25 ms	SEL	100.0	-0.1	1.3, -3.3	0.3

Peak C sound level (Test #17)[1]

Range: 40 to 130 dB

Pulse Type	Pulse Frequency	Input Level[4] (peak value)	SLM Error of Indication[5]	Tolerance[6] (±)	Uncertainty of Measurement (±)
1 cycle	8 kHz	130.4 dB	-0.4 dB	2.4 dB	0.35 dB
Pos. ½ cycle	500 Hz	132.4 dB	-0.4 dB	1.4 dB	0.35 dB
Neg. ½ cycle	500 Hz	132.4 dB	-0.3 dB	1.4 dB	0.35 dB

Overload indication (Test #18)[1]

Range: 40 to 130 dB
SLM Measuring Mode: LAEq

Test description	Overload occurred at (±)	Meas. Diff. (Pos – Neg)	Tolerance[6] (±)	Uncertainty of Measurement (±)
Positive ½ cycle at 4 kHz	139.1 dB	-	-	-
Negative ½ cycle at 4 kHz	139.1 dB	-	-	-
Level difference of positive & negative pulses	-	0.0 dB	1.8 dB	0.30 dB

Notes:

(1) The test number, given in parentheses after the section heading, refers to the relevant clause in IEC 61672-3 (2006).

(2) SLM denotes Sound Level Meter

(3) U/R denotes Under Range

(4) All input levels are given in dB relative to a 20 µPa reference level.

(5) The SLM Error of Indication is defined as follows:
SLM Error of Indication = SLM Reading - Input Level

(6) The figures in the column labelled 'Tolerance' are the acceptance limits given in IEC 61672-1(2003). These tolerance limits include an allowance for the maximum expanded uncertainty of the test laboratory. The criteria for compliance with the tolerance is that the measurement result, extended by its associated uncertainty, lies within the specified limits.

(7) Microphone response at 4 kHz was measured using an electrostatic actuator. A Free Field correction of +1.2 dB was applied to the measured actuator response.
This measurement is not included in NML's tables of Calibration and Measurement Capabilities, approved under the CIPM MRA.
For information, the measured sensitivity and frequency response of the microphone is given in an addendum to this certificate.

Comments:

Where used in the results table, further information on the meaning of symbols is given in the table on page 2 of this certificate.

With the exception of the Fast Z-Weighted response in Test 13, which was found to Conditionally Pass (denoted £), the instrument was found to meet the requirements of IEC 61672-1 (2003) in accordance with the verification procedures set out in IEC 61672-3 (2006) at the time of calibration.

The reported measurement results are traceable, via national standards maintained by NSAI National Metrology Laboratory (NML) or by other national metrology institutes, to internationally accepted realisations of the SI units.

The reported expanded uncertainty is based on the standard uncertainty multiplied by a coverage factor $k = 2$ which, for a normal probability distribution, corresponds to a coverage probability of approximately 95%. It has been determined in accordance with the "Guide to the Expression of Uncertainty in Measurement (GUM)". These uncertainties apply only to the measured values and do not carry any implication regarding the long-term stability of the instrument.

NSAI
National Metrology Laboratory

Addendum to Certificate 223016

Rion
Type: UC53A

Serial no: 313300

Sensitivity: 41.6 mV/Pa
-27.6 ±0.01 dB re. 1 V/Pa

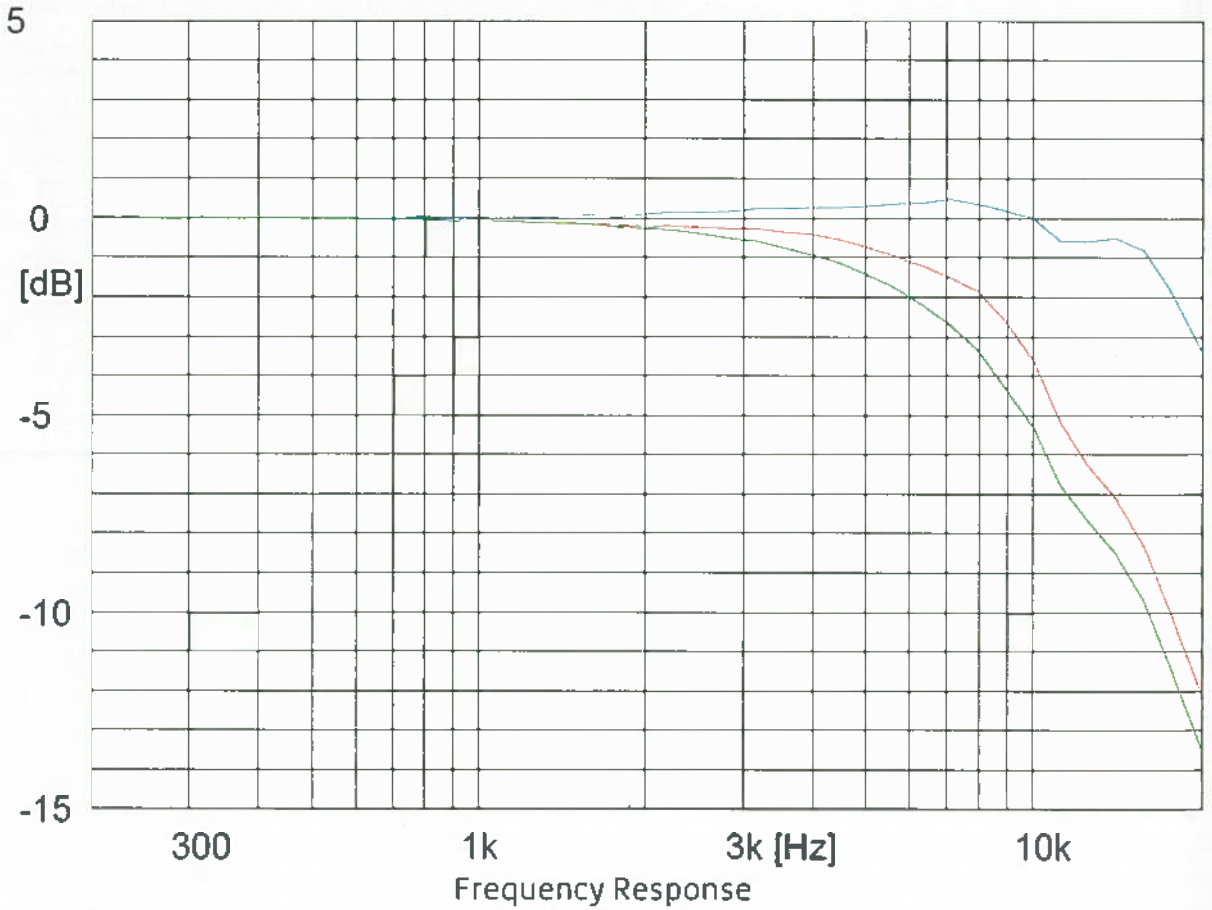
Date: 22/07/2022

Measurement conditions:

Polarisation voltage:	0.0 V
Pressure:	101.53 ±0.00 kPa
Temperature:	22.0 ±1.1 °C
Relative humidity:	45.1 ±2.1 %RH

Results are normalized to the reference conditions.

Free field response
Diffuse field response
Pressure (Actuator) response



NSAI

National Metrology Laboratory

Certificate of Calibration

Issued to	TNEI Group Floor 7 West One Forth Banks Newcastle Upon Tyne England
Attention of	Ewan Watson

Certificate Number	212988
Item Calibrated	Rion NL-52 Sound Level Meter, complete with Rion UC59 Microphone
Serial Numbers	00976254 (Sound Level Meter) and 12188 (Microphone)
ID Number	SLM039
Order Number	1696
Date Received	20 Jul 2021
NML Procedure Number	AP-NM-09
Method	The above sound level meter was allowed to stabilise for a suitable period in laboratory conditions. It was then calibrated by carrying out the verification tests detailed in IEC 61672-3 (2006), *Periodic tests, specification for the verification of sound level meters*. This standard specifies a procedure for the periodic verification of conformance of a sound level meter or integrating-averaging meter to IEC 61672-1 (2003).
Calibration Standards	Norsonic 1504A Calibration System incorporating: SR DS360 Signal Generator, No. 0735 [Cal Due Date: 10 Jun 2022] Agilent 34401A Digital Multimeter, No. 0736 [Cal Due Date: 10 Jun 2022] B&K 4134 Measuring Microphone, No. 0743 [Cal Due Date: 27 May 2022] B&K 4228 Pistonphone, No. 0741 [Cal Due Date: 26 May 2022] B&K 4226 Acoustical Calibrator, No. 0150 [Cal Due Date: 02 Sep 2021]

Calibrated by	David Fleming	**Approved by**	Paul Hetherington
Date of Calibration	28 Jul 2021	**Date of Issue**	29 Jul 2021

CIPM MRA

This certificate is consistent with Calibration and Measurement Capabilities (CMC's) that are included in Appendix C of the Mutual Recognition Arrangement (MRA) drawn up by the International Committee for Weights and Measures. Under the MRA, all participating institutes recognize the validity of each other's calibration certificates and measurement reports for quantities, ranges and measurement uncertainties specified in Appendix C (for details see www.bipm.org)

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2. No action or legal proceeding shall be taken (except in the case of wilful neglect or default) against NSAI or the Board or any member of the Board or any committee appointed by the Board or any officer or servant of NSAI, by reason of or arising out of the carrying out of any research, investigation, test or analysis or the publication of the results thereof in the name of NSAI.
3. NSAI will not release any information received from or provided to the client in relation to this report except as may be required by law, including the Freedom of Information Act 1997, or as specified by the client.
4. This certificate relates only to the item(s) described on the front page and shall not be reproduced, except in full.
5. This contract is governed by the laws of Ireland whose courts shall have exclusive jurisdiction.

Decision Rule and Compliance Statement

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(https://www.nsai.ie/images/uploads/metrology/Decision_Rule.pdf).

The symbols used to indicate the state of compliance of the instrument calibration and their meanings are given in the following table.

Statement of compliance and associated symbol	Description
PASS	The absence of a symbol indicates that the measurement result is inside the specification limit by a margin greater than its associated expanded uncertainty; the instrument meets its accuracy specification.
Conditional PASS Symbol: £	The measurement result is inside the specification limit by a margin less than or equal to its associated expanded measurement uncertainty; it is therefore not possible to state compliance. There is a risk that the instrument fails to meet its specification.
Conditional FAIL Symbol: &	The measurement result is on the specification limit or is outside the specification limit by a margin less than or equal to its associated expanded measurement uncertainty; it is therefore not possible to state non-compliance.
FAIL Symbol: $	The measurement result is outside the specification limit by a margin greater than its associated measurement uncertainty; the instrument fails to meet its accuracy specification.
Unc. > Spec Symbol: #	The expanded measurement uncertainty is greater than the instrument's accuracy specification. It is not possible to determine compliance or otherwise with the specification. The user should expand the in-use accuracy specification to make allowance for the calibration uncertainty.
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Where no specification exists, and none is prescribed by the client, the Decision Rule policy of the NSAI NML does not apply and results are provided without a statement of compliance.

Ambient laboratory conditions:

Barometric Pressure:	99.9 kPa ± 0.5 kPa
Temperature:	22.4 °C ± 1 °C
Relative Humidity:	50 %RH ± 5%RH

Summary of Results:

The following table summarises the results of the verification tests. The detailed results are given in the subsequent tables.

IEC 61672 Test	Test Title	Status
10	Self-generated Noise (Electrical)	/
11	Acoustical Signal	PASS
12	Frequency Weighting	PASS
13	Frequency and Time Weighting @ 1 kHz	PASS
14	Level Linearity Test on Reference Level Range	PASS
15	Level Linearity including Range Control	n/a
16	Toneburst Response	PASS
17	Peak C	PASS
18	Overload Indication	PASS

Detailed Results.

Prior to carrying out the verification tests the sound level meter was adjusted to read correctly for pressure response through application of a reference acoustical calibrator.

Self-generated Noise Test (Electrical Input) (Test #10) [1]

Range: Single Range Instrument
Mode: Leq

SLM Configuration	Freq. Weighting Network	SLM Reading[2]
Microphone installed	A	17.2 dB
Microphone replaced by electrical signal device and Fitted with a short-circuit	A	16.5 (U/R)[3]
	C	24.4
	Z (Linear)	27.4

Acoustical signal test of a frequency weighting (Test #11) [1]

Range: Single Range Instrument
Frequency Weighting setting: C
Time Weighting response: Slow

Input Level[4]	Input Freq.	SLM Error of Indication[5]	Tolerance[6] (±)	Uncertainty of Measurement (±)
94.0 dB	1000 Hz	0.0 dB (Ref)	1.1 dB	0.3 dB
	125	+0.3	1.5	0.3
	4000[7]	+0.2	1.6	0.5

Electrical signal tests of frequency weightings (Test #12)[1]

Range: Single Range Instrument

Freq. (nominal)	Input Level[4]	SLM Reading	SLM Error of Indication[5]	Tolerance[6] (±)	Uncertainty of Measurement (±)
A-Weighting					
63 Hz	93 dB	92.9 dB	-0.1 dB	1.5 dB	0.20 dB
125	93	93.0	0.0	1.5	0.20
250	93	92.9	-0.1	1.4	0.20
500	93	93.0	0.0	1.4	0.20
1000	93	93.0	0.0	1.1	0.20
2000	93	93.0	0.0	1.6	0.20
4000	93	93.0	0.0	1.6	0.20
8000	93	93.1	+0.1	2.1, -3.1	0.20
16000	93	91.8	-1.2	3.5, -17	0.20
C-Weighting					
63 Hz	93 dB	92.9 dB	-0.1 dB	1.5 dB	0.20 dB
125	93	93.0	0.0	1.5	0.20
250	93	92.9	-0.1	1.4	0.20
500	93	93.0	0.0	1.4	0.20
1000	93	93.0	0.0	1.1	0.20
2000	93	93.0	0.0	1.6	0.20
4000	93	93.0	0.0	1.6	0.20
8000	93	93.1	+0.1	2.1, -3.1	0.20
16000	93	91.8	-1.2	3.5, -17	0.20
LIN Weighting					
63 Hz	93 dB	92.9 dB	-0.1 dB	1.5 dB	0.20 dB
125	93	92.9	-0.1	1.5	0.20
250	93	93.0	0.0	1.4	0.20
500	93	93.0	0.0	1.4	0.20
1000	93	93.0	0.0	1.1	0.20
2000	93	93.0	0.0	1.6	0.20
4000	93	93.0	0.0	1.6	0.20
8000	93	93.0	0.0	2.1, -3.1	0.20
16000	93	93.0	0.0	3.5, -17	0.20

Frequency and time weightings at 1 kHz (Test #13)[1]

Range: Single Range Instrument

Time Weighting Setting	Frequency Weighting Setting	Input Level[4]	Deviation from Reference	Tolerance[6] (±)	Uncertainty of Measurement (±)
Fast	A	94.0 dB	0.0 dB	0.4 dB	0.20 dB
	C		0.0	0.4	0.20
	Z		0.0	0.4	0.20
Slow	A	94.0 dB	0.0 dB	0.3 dB	0.20 dB
Leq.	A	94.0 dB	0.0 dB	0.3 dB	0.20 dB
SEL	A	114.0 dB	0.0 dB	0.3 dB	0.20 dB

Linearity level on the reference range (Test #14)[1]

Range: Single Range Instrument
Input Frequency: 1 kHz
SLM Measuring Mode: SPL

Range	Input Level[4]	SLM Reading	SLM Error of Indication[5]	Tolerance[6] (±)	Uncertainty of Measurement (±)
130 dB	94 dB	94.0 dB	0.0 dB	1.1 dB	0.20 dB
	99	99.0	0.0	1.1	0.20
	104	104.1	+0.1	1.1	0.20
	109	109.0	0.0	1.1	0.20
	114	114.0	0.0	1.1	0.20
	119	119.0	0.0	1.1	0.20
	124	124.0	0.0	1.1	0.20
	129	129.0	0.0	1.1	0.20
	132	132.0	0.0	1.1	0.20
	133	133.0	0.0	1.1	0.20
	134	134.0	0.0	1.1	0.20
	135	135.0	0.0	1.1	0.20
	136	136.1	+0.1	1.1	0.20
	94	94.0	0.0	1.1	0.20
	89	89.0	0.0	1.1	0.20
	84	84.0	0.0	1.1	0.21
	79	79.1	+0.1	1.1	0.21
	74	74.0	0.0	1.1	0.21
	69	69.0	0.0	1.1	0.21
	64	64.0	0.0	1.1	0.21
	59	59.0	0.0	1.1	0.21
	54	54.0	0.0	1.1	0.21
	49	49.0	0.0	1.1	0.21
	44	44.0	0.0	1.1	0.21
	39	39.0	0.0	1.1	0.21
	34	34.1	+0.1	1.1	0.21
	30	30.0	0.0	1.1	0.21
	29	29.0	0.0	1.1	0.21
	28	28.1	+0.1	1.1	0.21
	27	27.1	+0.1	1.1	0.21
	26	25.9	-0.1	1.1	0.21

Toneburst response (Test #16)[1]

Range: Single Range Instrument

Burst Type	SLM Mode	Input Level[4]	SLM Error of Indication[5]	Tolerance[6] (±)	Uncertainty of Measurement (±)
200 ms	LAF	116.0 dB	0.0 dB	0.8 dB	0.3 dB
2.0 ms	LAF	99.0	0.0	1.3	0.3
0.25 msec	LAF	90.0	-0.1	1.3, -3.3	0.3
200 ms	LAS	109.6 dB	0.0 dB	0.8 dB	0.3 dB
2.0 ms	LAS	90.0	0.0	1.3, -1.8	0.3
200 ms	SEL	110.0 dB	0.0 dB	0.8 dB	0.3 dB
2.0 ms	SEL	90.3	0.0	1.3	0.3
0.25 ms	SEL	81.0	-0.1	1.3, -3.3	0.3

Peak C sound level (Test #17)[1]

Range: Single Range Instrument

Pulse Type	Pulse Frequency	Input Level[4] (peak value)	SLM Error of Indication[5]	Tolerance[6] (±)	Uncertainty of Measurement (±)
1 cycle	8 kHz	133.4 dB	-0.1 dB	2.4 dB	0.35 dB
Pos. ½ cycle	500 Hz	132.4 dB	-0.2 dB	1.4 dB	0.35 dB
Neg. ½ cycle	500 Hz	132.4 dB	-0.2 dB	1.4 dB	0.35 dB

Overload indication (Test #18)[1]

Range: Single Range Instrument
SLM Measuring Mode: LAEq

Test description	Overload occurred at (±)	Meas. Diff. (Pos – Neg)	Tolerance[6] (±)	Uncertainty of Measurement (±)
Positive ½ cycle at 4 kHz	139.5 dB	-	-	-
Negative ½ cycle at 4 kHz	139.5 dB	-	-	-
Level difference of positive & negative pulses	-	0.0 dB	1.8 dB	0.30 dB

Notes:

(1) The test number, given in parentheses after the section heading, refers to the relevant clause in IEC 61672-3 (2006).

(2) SLM denotes Sound Level Meter

(3) U/R denotes Under Range

(4) All input levels are given in dB relative to a 20 µPa reference level.

(5) The SLM Error of Indication is defined as follows:
SLM Error of Indication = SLM Reading - Input Level

(6) The figures in the column labelled 'Tolerance' are the acceptance limits given in IEC 61672-1(2003). These tolerance limits include an allowance for the maximum expanded uncertainty of the test laboratory. The criteria for compliance with the tolerance is that the measurement result, extended by its associated uncertainty, lies within the specified limits.

(7) Microphone response at 4 kHz was measured using an electrostatic actuator. A Free Field correction of +1.2 dB was applied to the measured actuator response.
This measurement is not included in NML's tables of Calibration and Measurement Capabilities, approved under the CIPM MRA.
For information, the measured sensitivity and frequency response of the microphone is given in an addendum to this certificate.

Comments:

Where used in the results table, further information on the meaning of symbols is given in the table on page 2 of this certificate.

The instrument was found to meet the requirements of IEC 61672-1 (2003) in accordance with the verification procedures set out in IEC 61672-3 (2006) at the time of calibration.

The reported measurement results are traceable, via national standards maintained by NSAI National Metrology Laboratory (NML) or by other national metrology institutes, to internationally accepted realisations of the SI units.

The reported expanded uncertainty is based on the standard uncertainty multiplied by a coverage factor $k = 2$ which, for a normal probability distribution, corresponds to a coverage probability of approximately 95%. It has been determined in accordance with the "Guide to the Expression of Uncertainty in Measurement (GUM)". These uncertainties apply only to the measured values and do not carry any implication regarding the long-term stability of the instrument.

NSAI
National Metrology Laboratory

Addendum to Certificate 212988

Rion
Type: UC59

Serial no: 12188

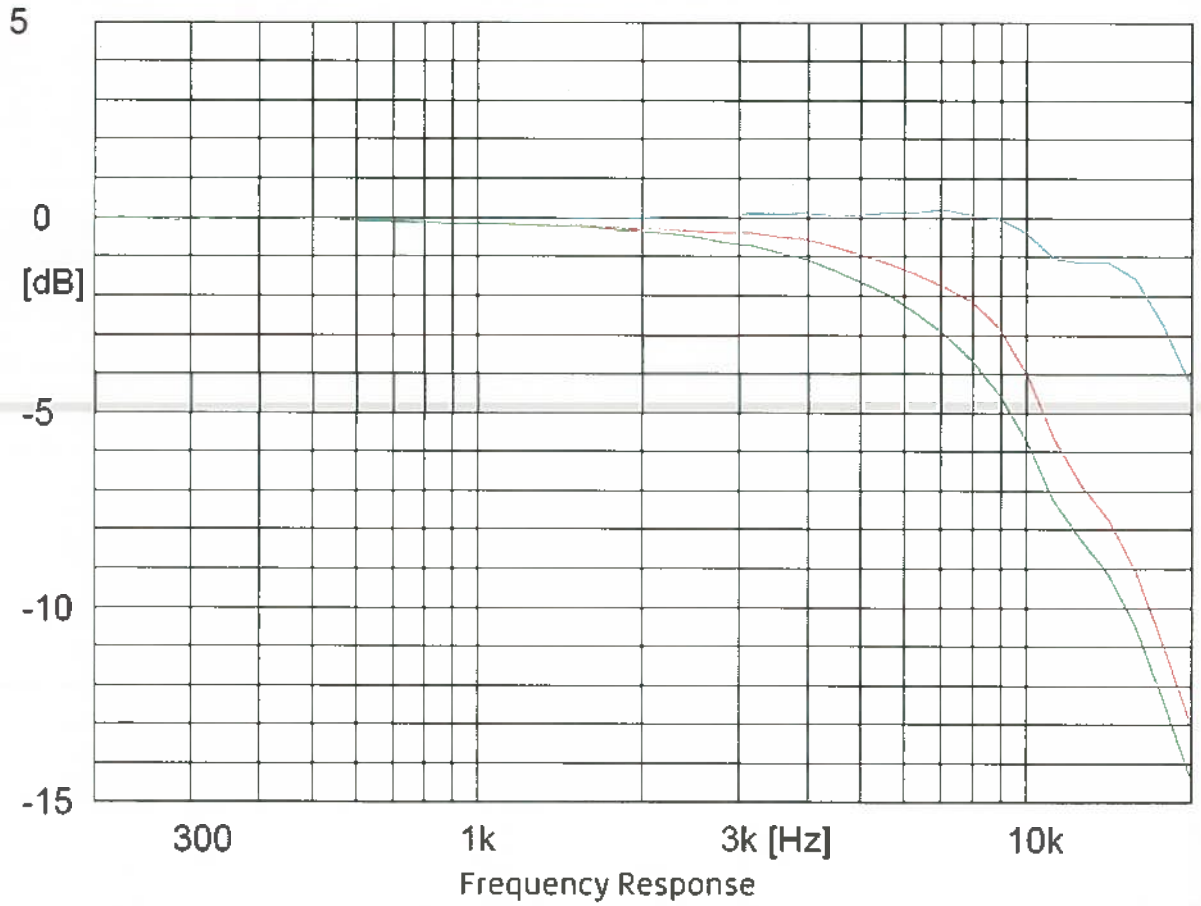
Sensitivity: 50.3 mV/Pa
-26.0 ±0.10 dB re. 1 V/Pa

Date: 28/07/2021

Measurement conditions:	
Polarisation voltage:	0.0 V
Pressure:	99.84 ±0.03 kPa
Temperature:	22.8 ±1.1 °C
Relative humidity:	50.3 ±2.7 %RH

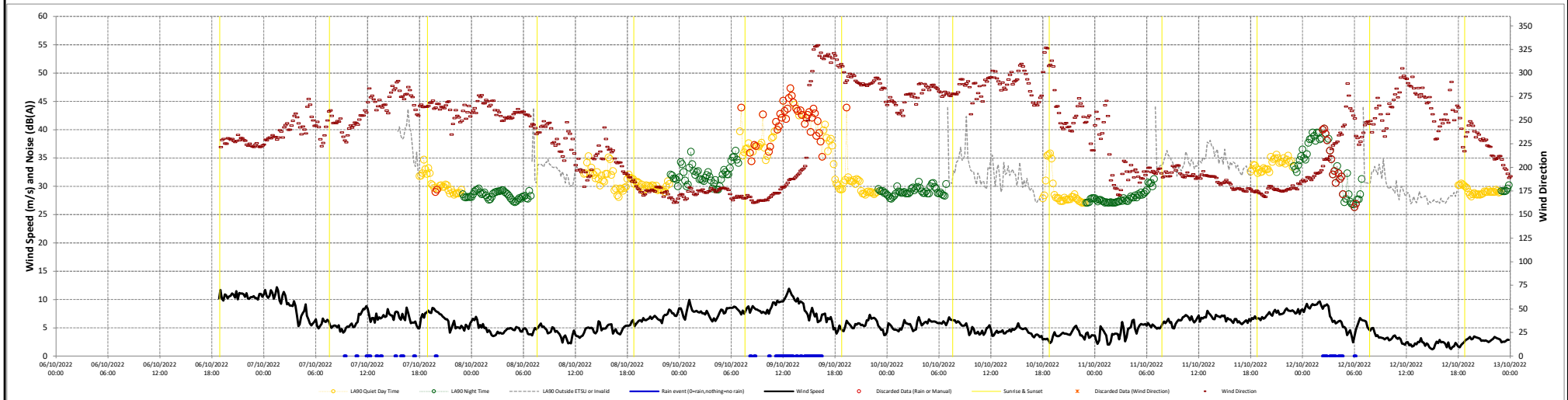
Results are normalized to the reference conditions.

Free field response
Diffuse field response
Pressure (Actuator) response

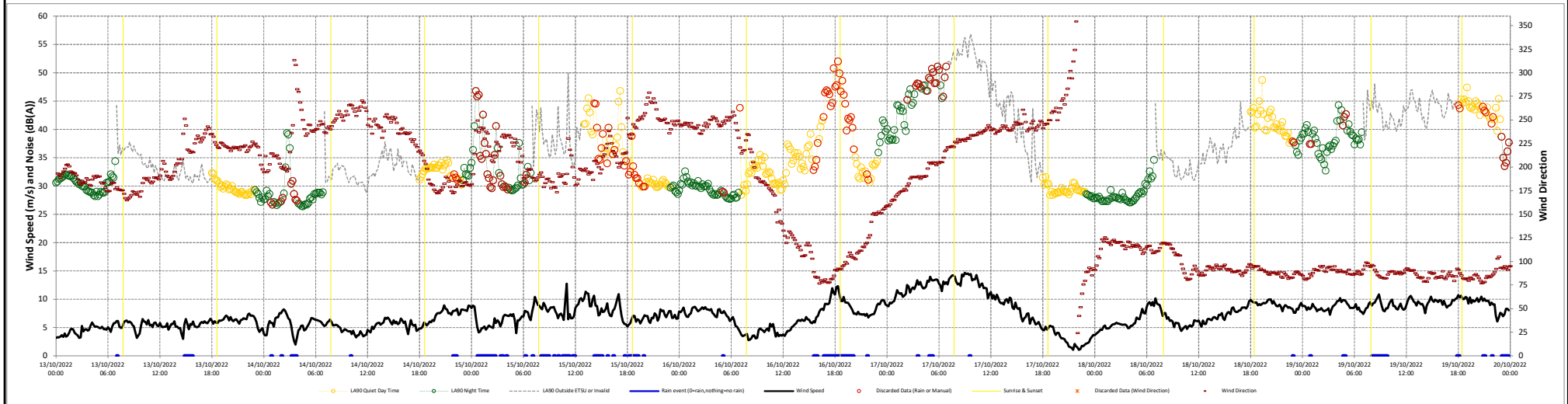


Annex 4 – Time Series Graphs

06/10/2022 to 13/10/2022

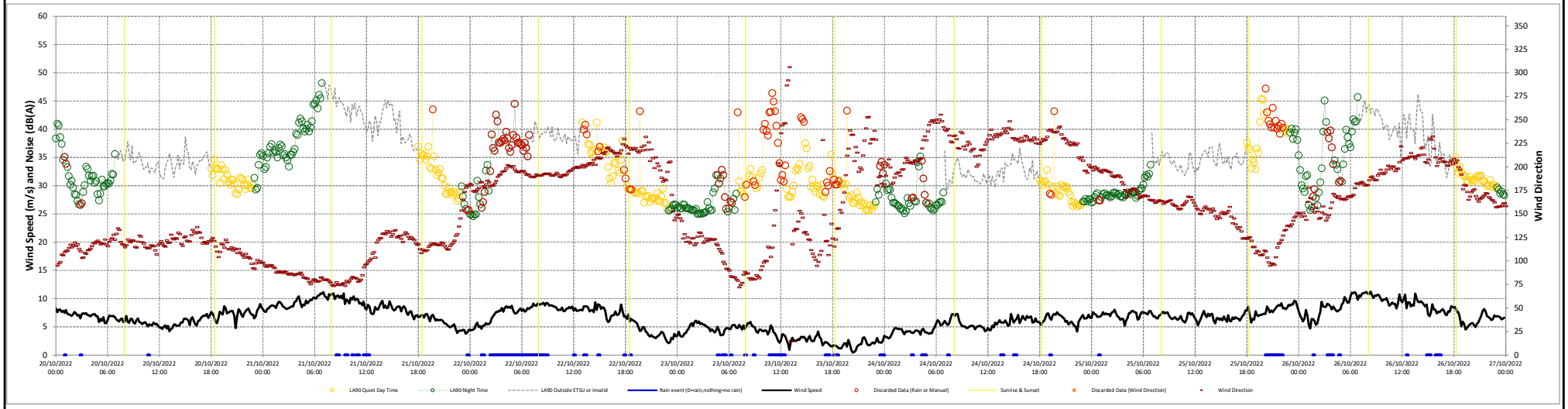


13/10/2022 to 20/10/2022

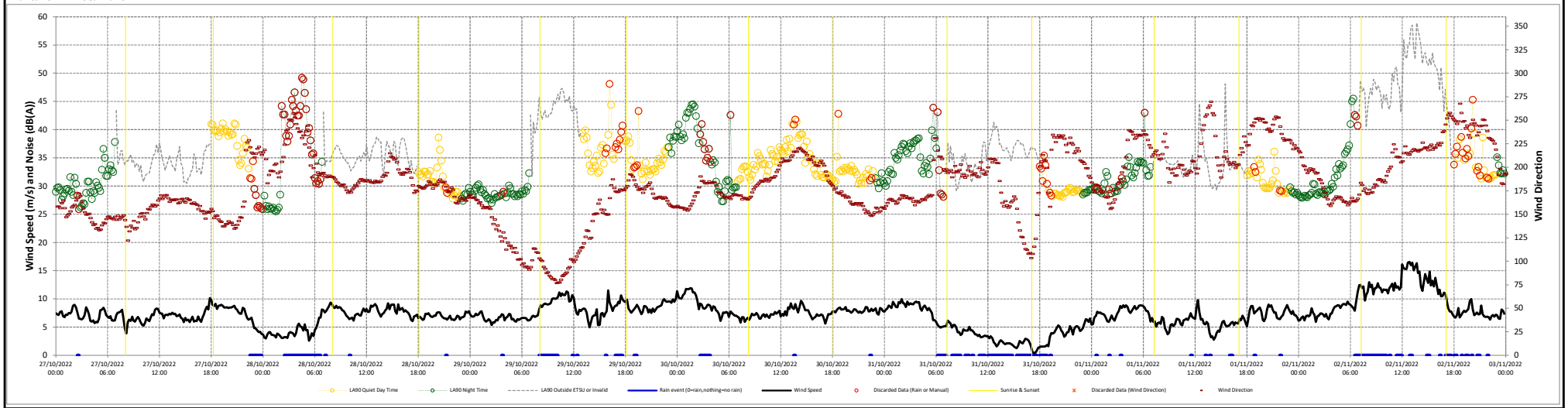


Project	Cooloo Wind Farm
Client	Neoen
Title	Time Series for NML1 Page 1 of 7
Date	10/07/2025

20/10/2022 to 27/10/2022

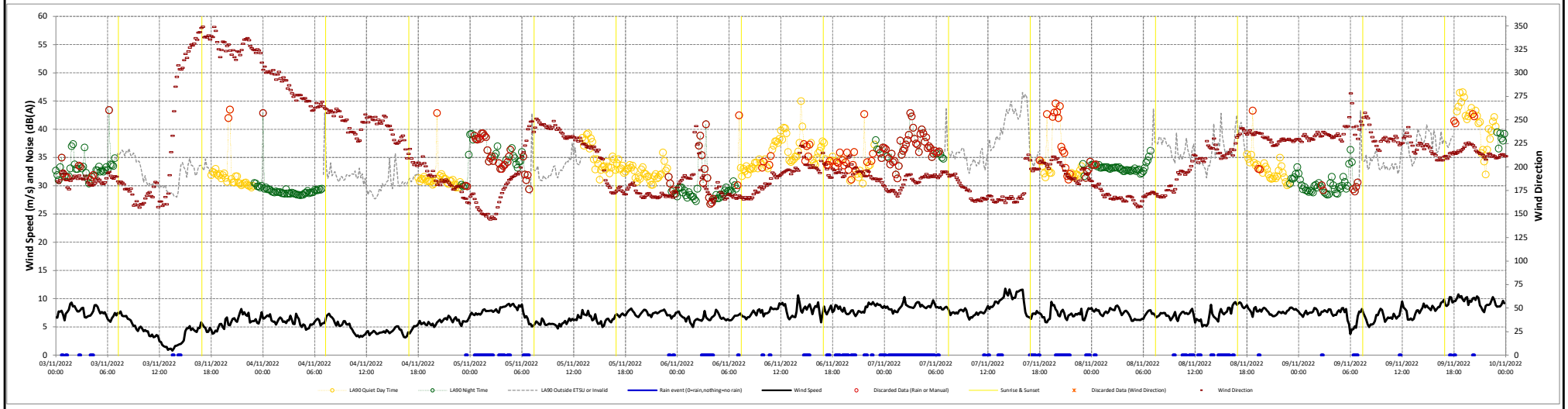


27/10/2022 to 03/11/2022

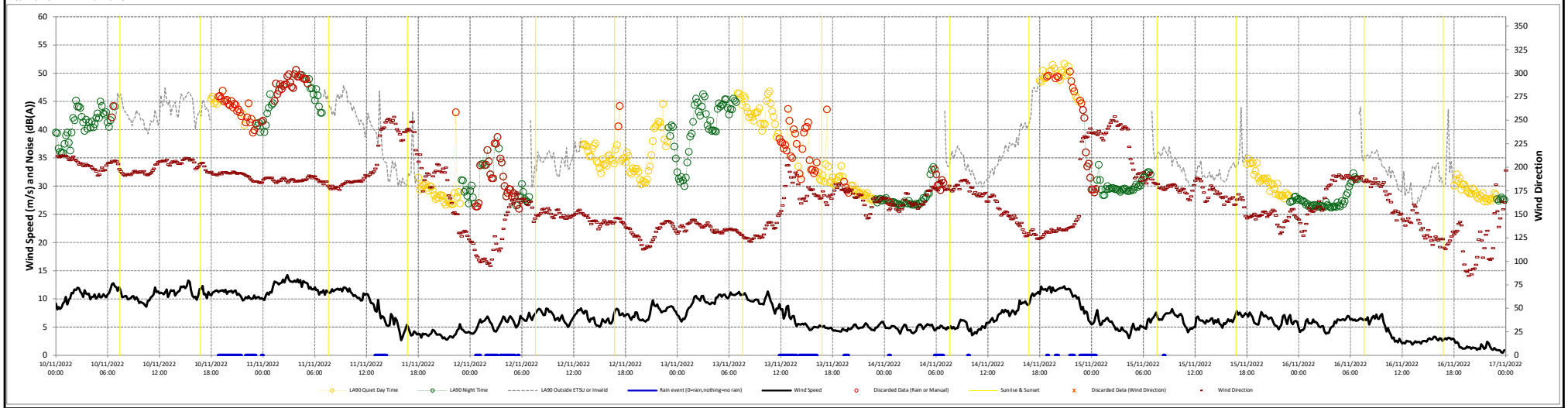


Project	Cooloo Wind Farm
Client	Neoen
Title	Time Series for NML1 Page 2 of 7
Date	10/07/2025

03/11/2022 to 10/11/2022

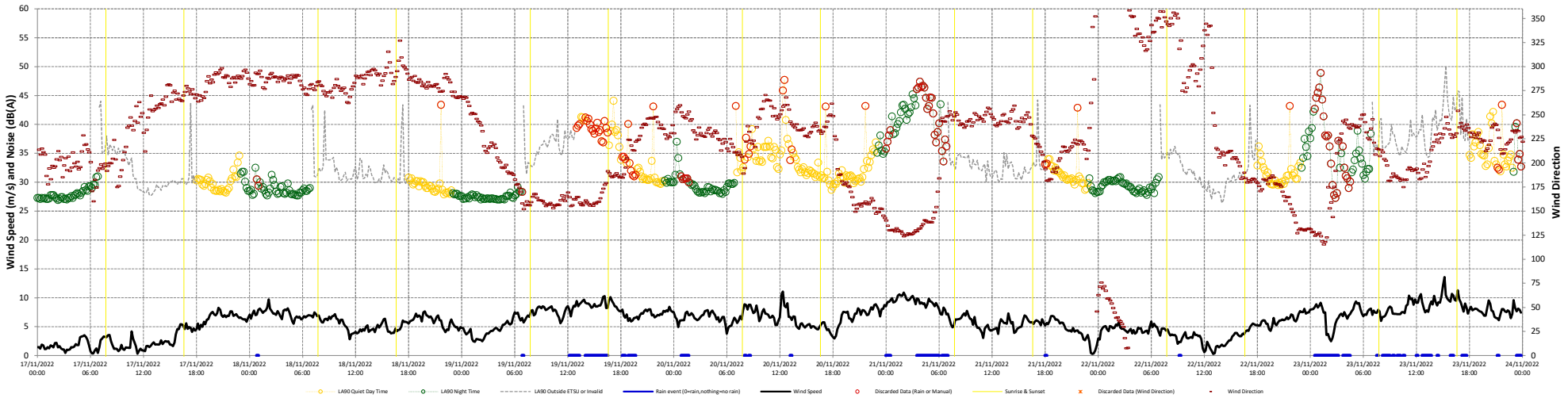


10/11/2022 to 17/11/2022

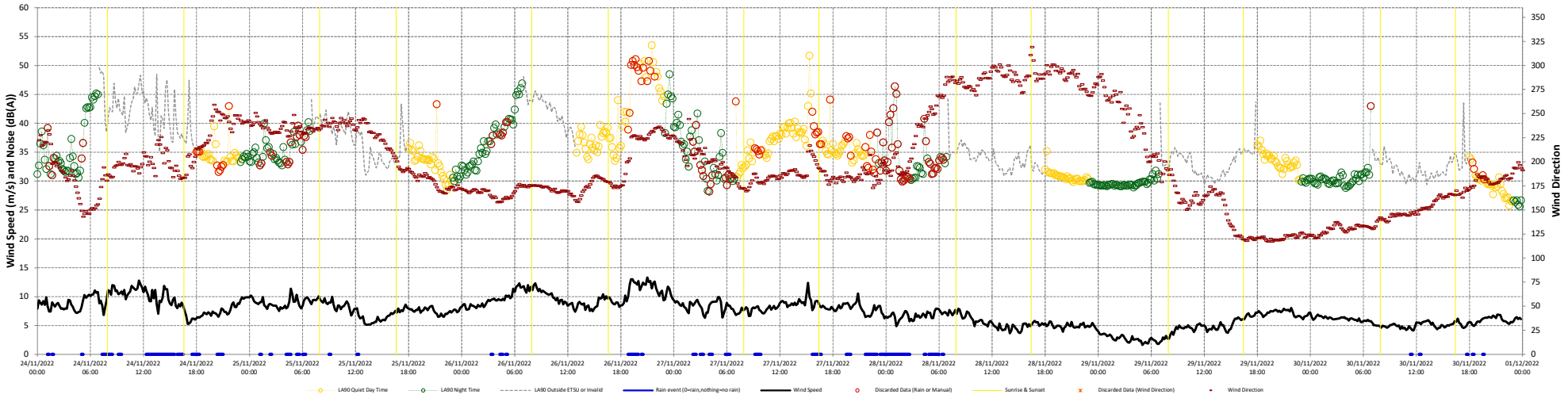


Project	Cooloo Wind Farm
Client	Neoen
Title	Time Series for NML1 Page 3 of 7
Date	10/07/2025

17/11/2022 to 24/11/2022

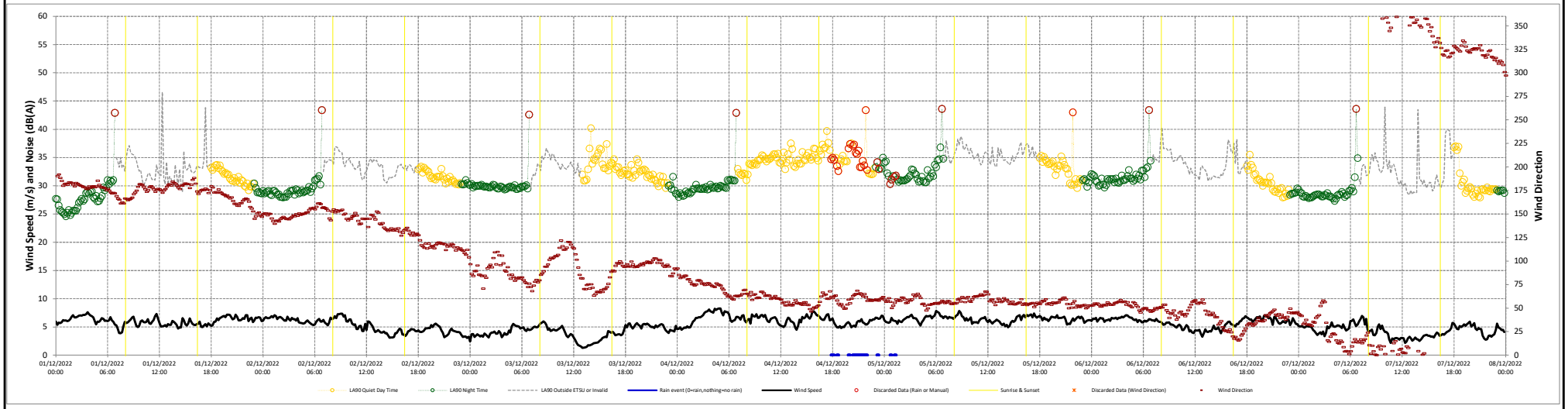


24/11/2022 to 01/12/2022

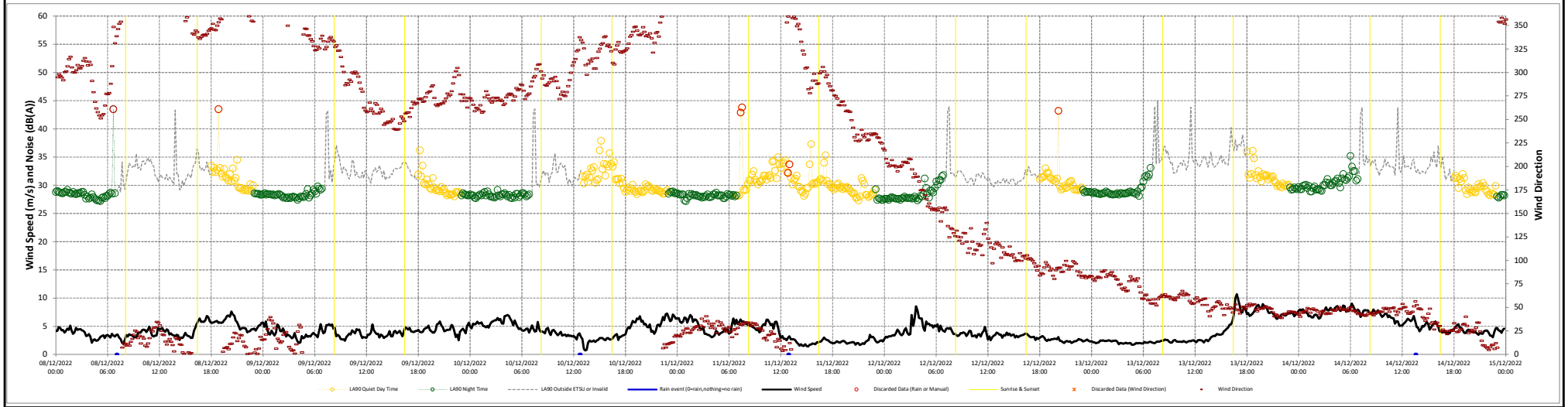


Project	Cooloo Wind Farm
Client	Neoen
Title	Time Series for NML1 Page 4 of 7
Date	10/07/2025

01/12/2022 to 08/12/2022

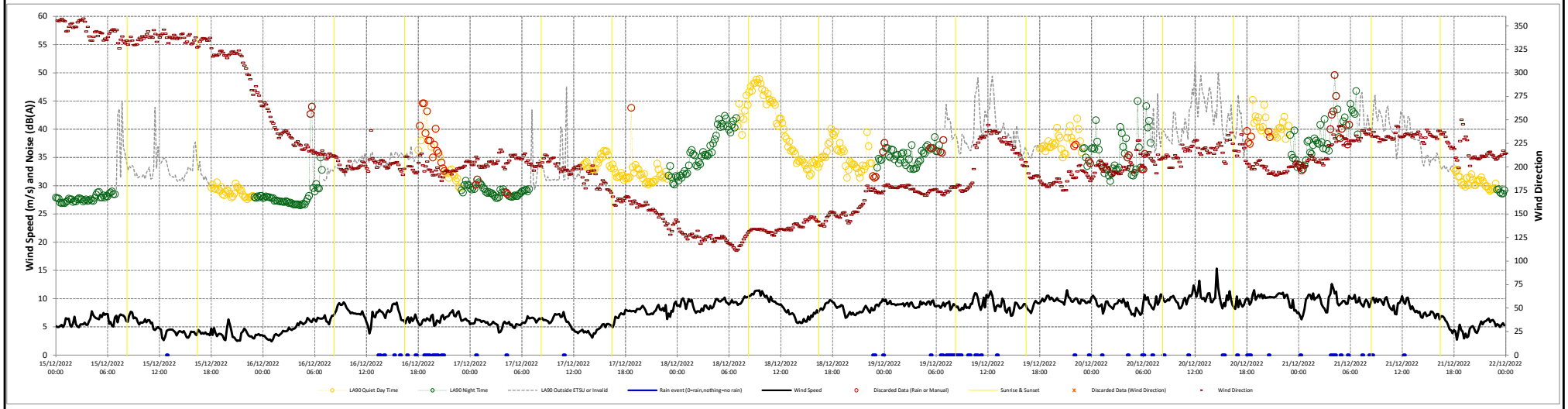


08/12/2022 to 15/12/2022

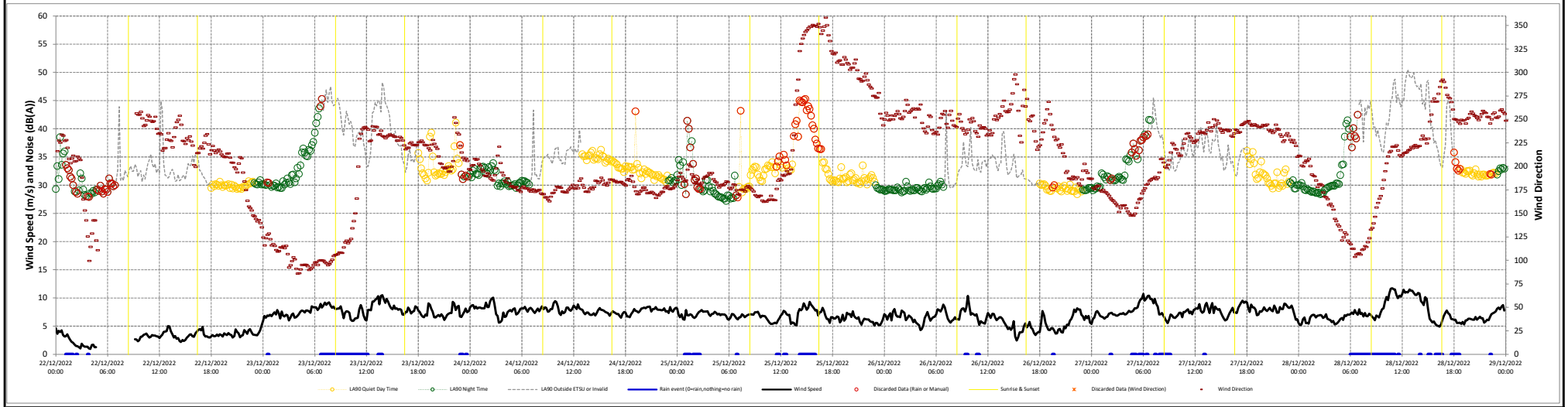


Project	Cooloo Wind Farm
Client	Neoen
Title	Time Series for NML1 Page 5 of 7
Date	10/07/2025

15/12/2022 to 22/12/2022

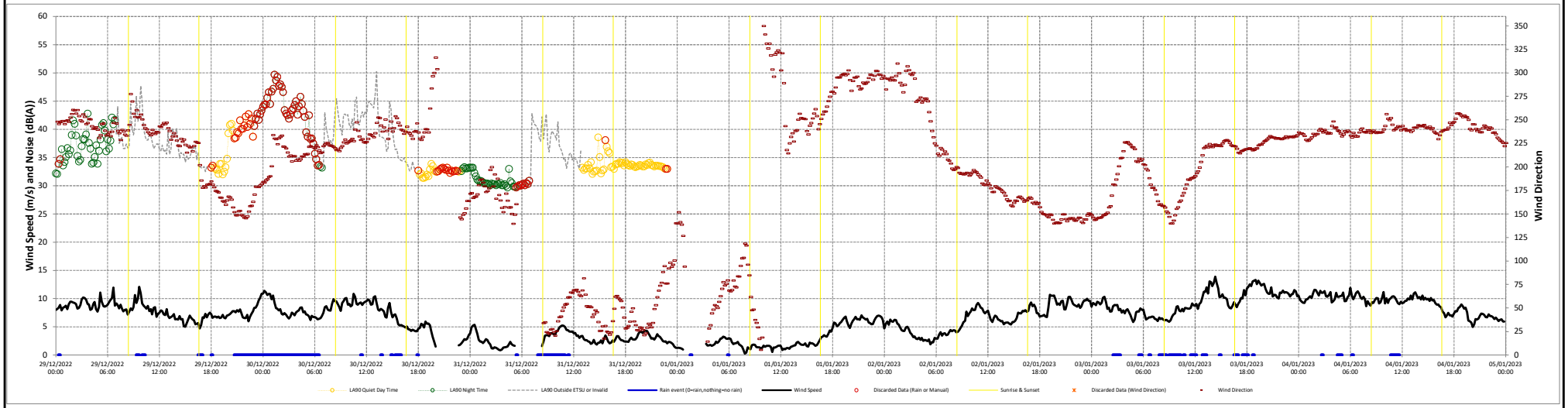


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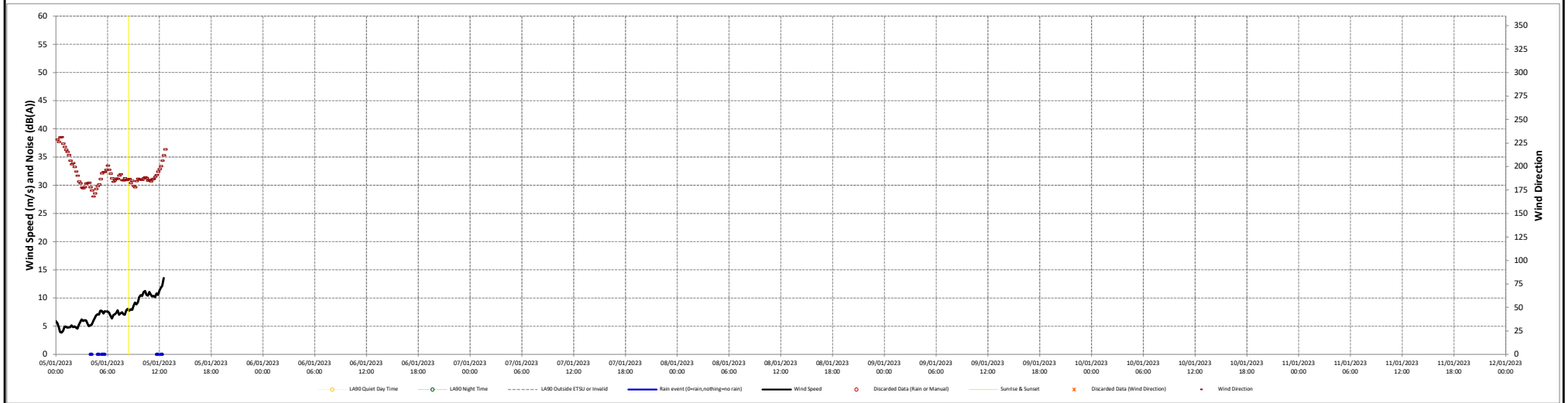


Project	Cooloo Wind Farm
Client	Neoen
Title	Time Series for NML1 Page 6 of 7
Date	10/07/2025

29/12/2022 to 05/01/2023

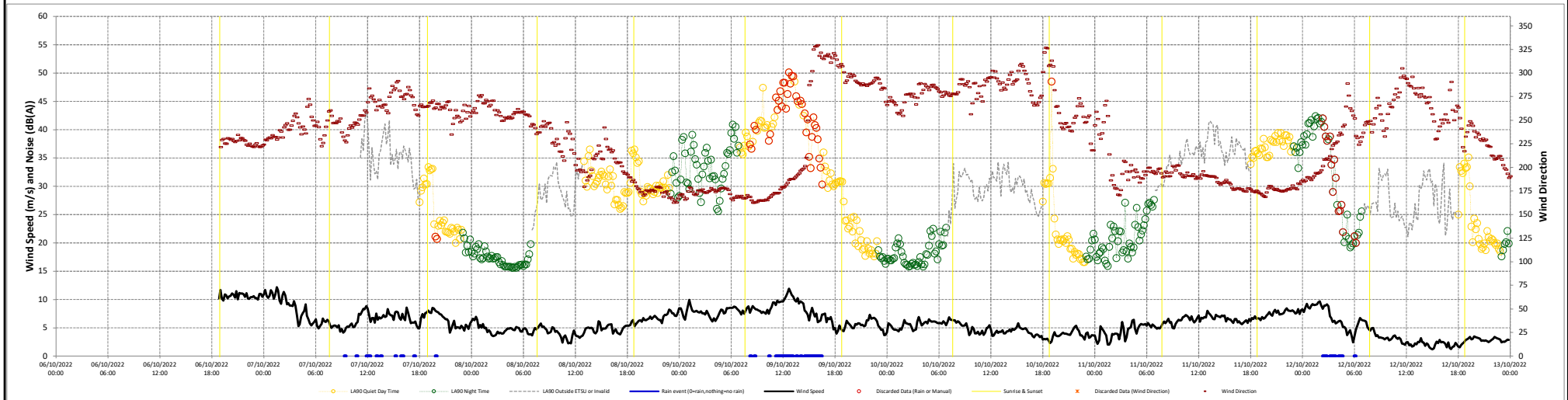


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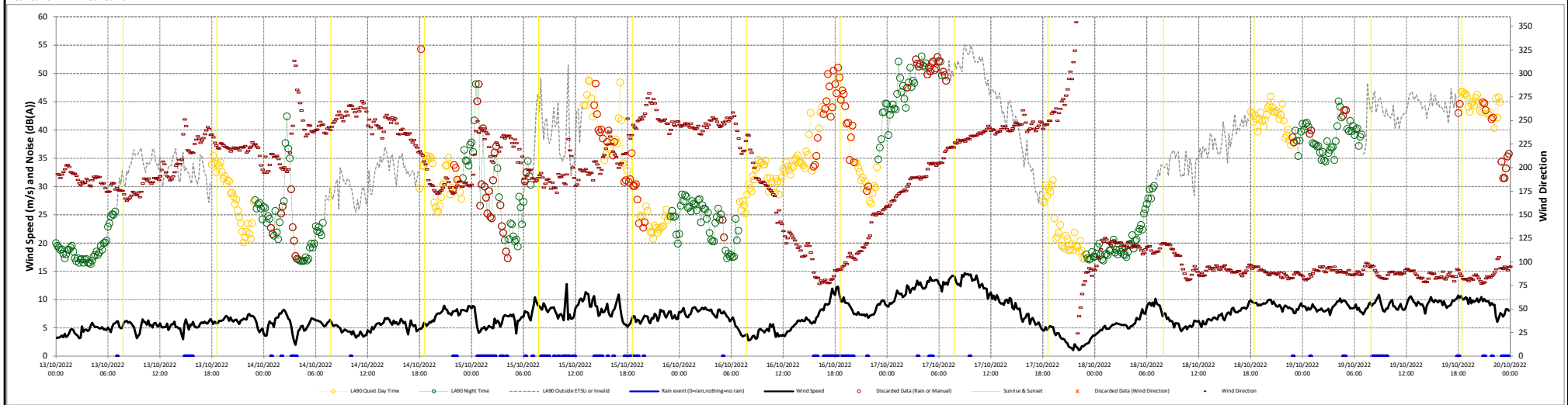


Project	Cooloo Wind Farm
Client	Neoen
Title	Time Series for NML1 Page 7 of 7
Date	10/07/2025

06/10/2022 to 13/10/2022

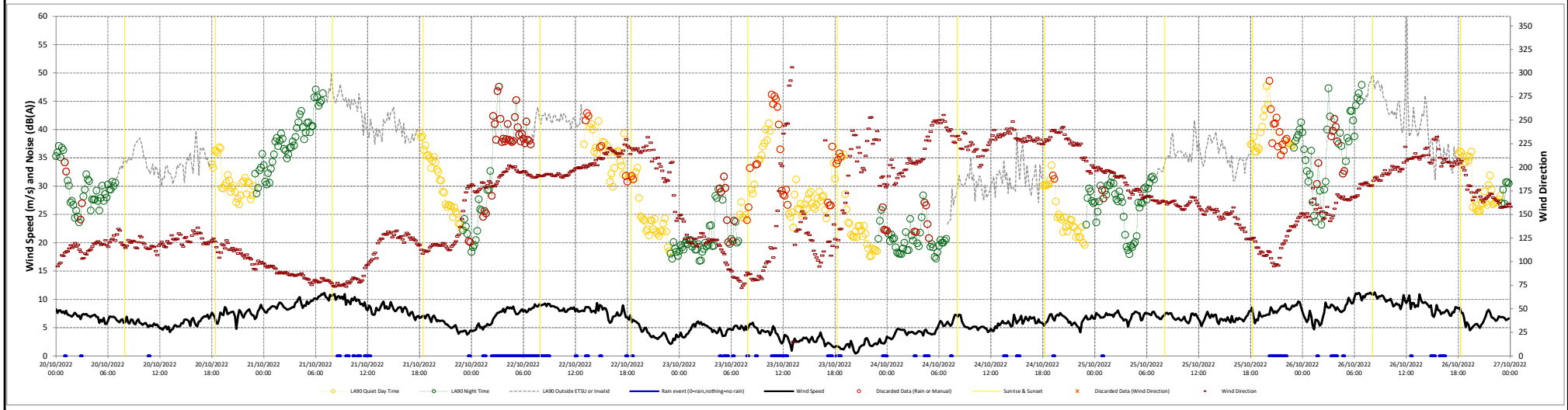


13/10/2022 to 20/10/2022

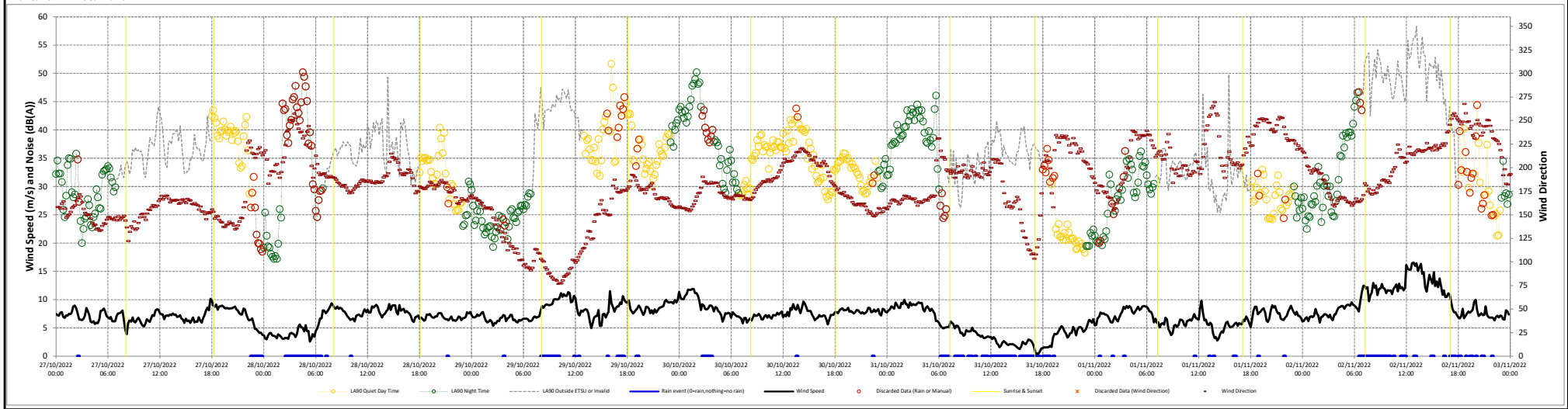


Project	Cooloo Wind Farm
Client	Neoen
Title	Time Series for NML2 Page 1 of 7
Date	10/07/2025

20/10/2022 to 27/10/2022

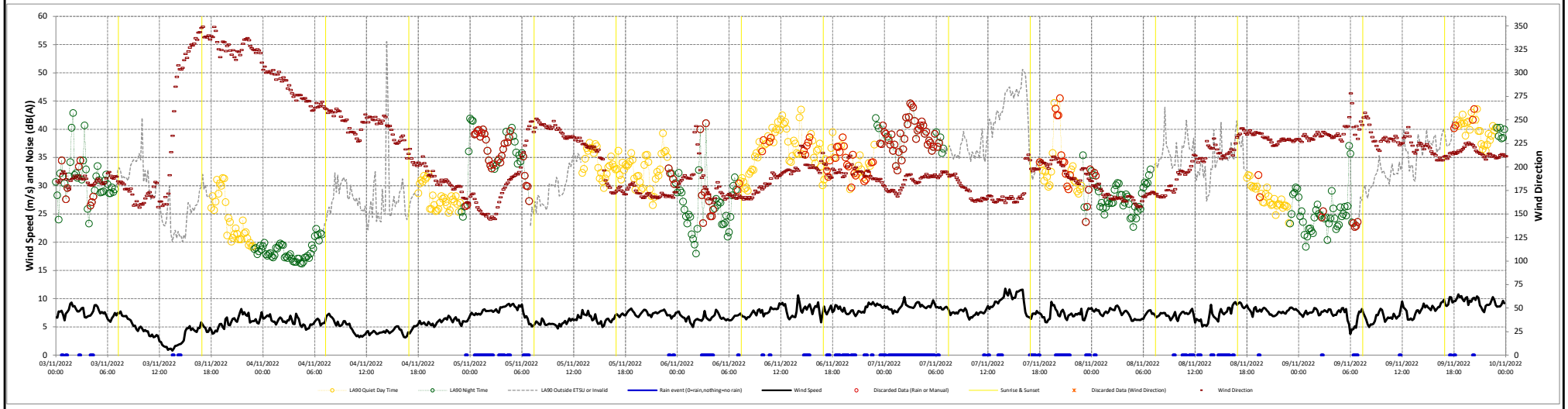


27/10/2022 to 03/11/2022

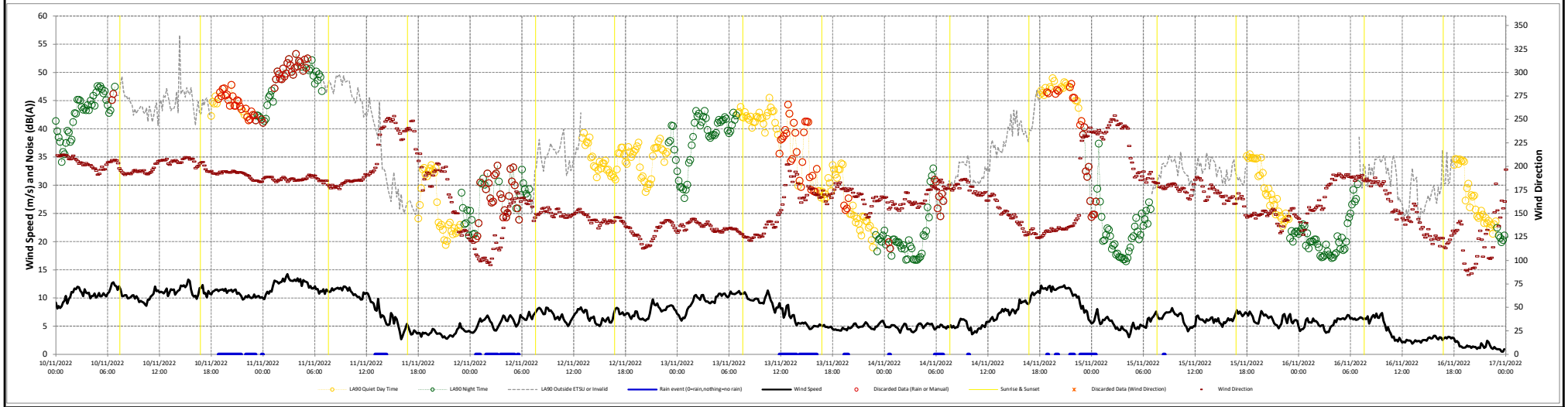


Project	Cooloo Wind Farm
Client	Neoen
Title	Time Series for NML2 Page 2 of 7
Date	10/07/2025

03/11/2022 to 10/11/2022



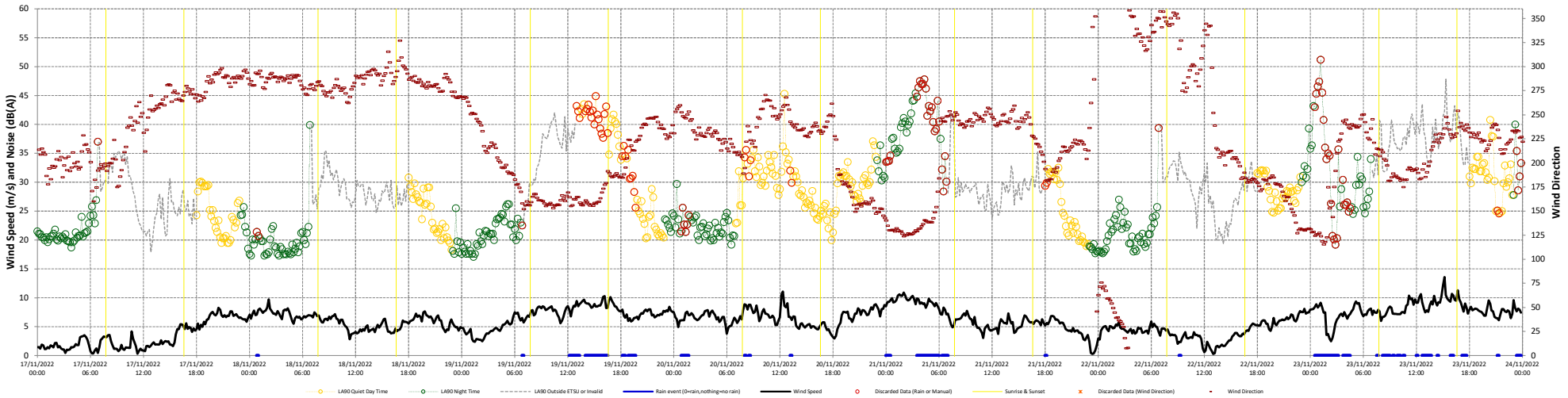
10/11/2022 to 17/11/2022



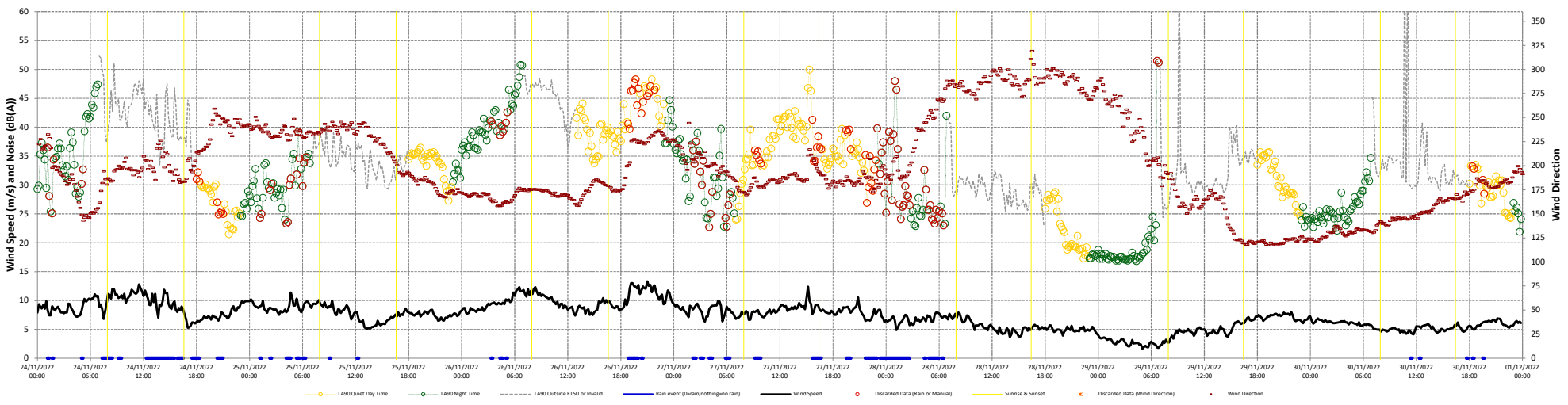
Project	Cooloo Wind Farm
Client	Neoen
Title	Time Series for NML2 Page 3 of 7
Date	10/07/2025

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17/11/2022 to 24/11/2022

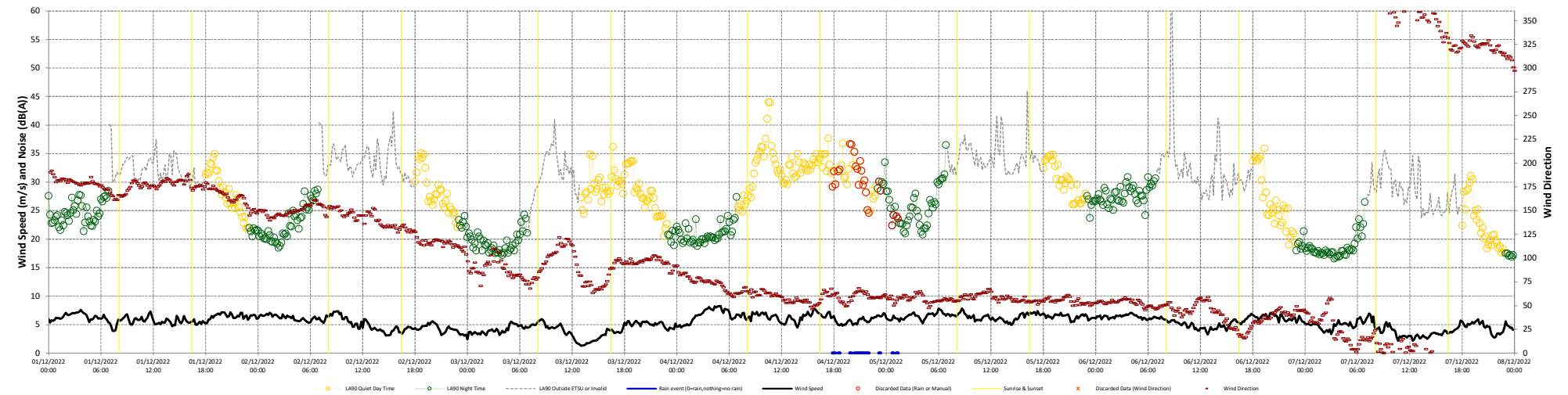


24/11/2022 to 01/12/2022

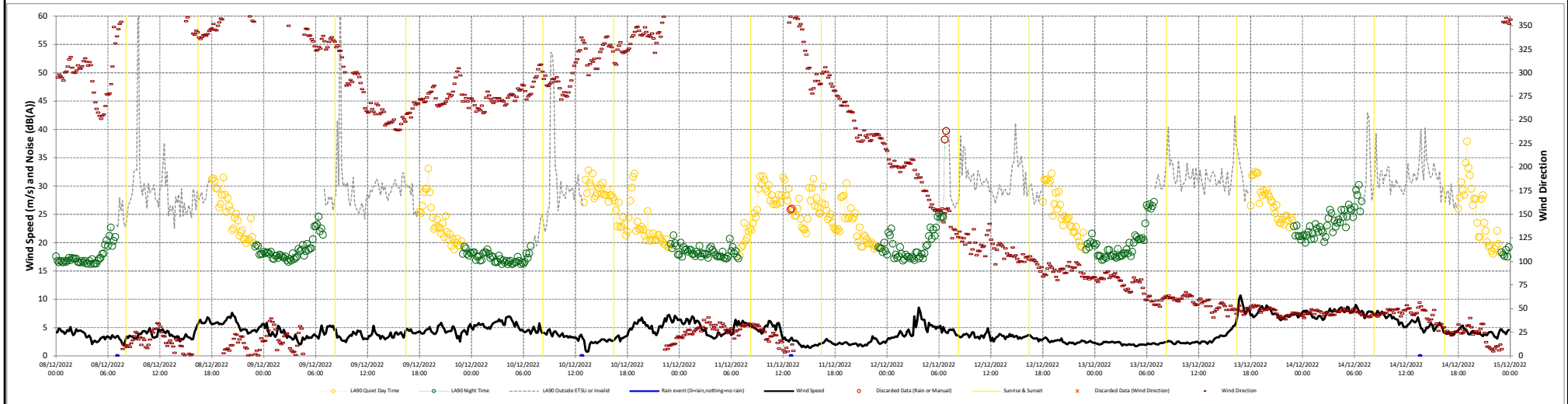


Project	Cooloo Wind Farm
Client	Neoen
Title	Time Series for NML2 Page 4 of 7
Date	10/07/2025

01/12/2022 to 08/12/2022



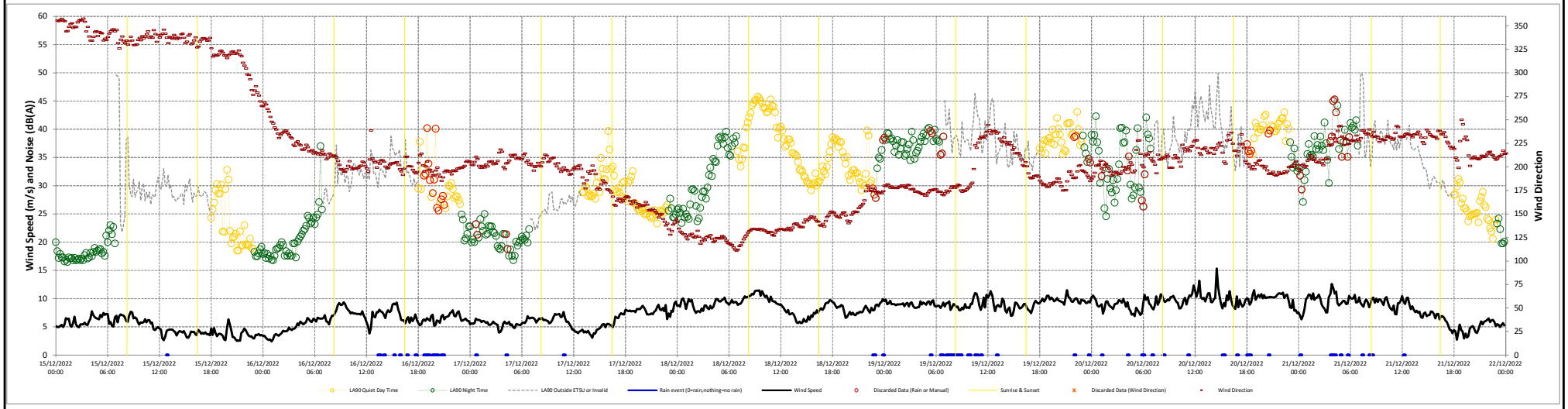
08/12/2022 to 15/12/2022



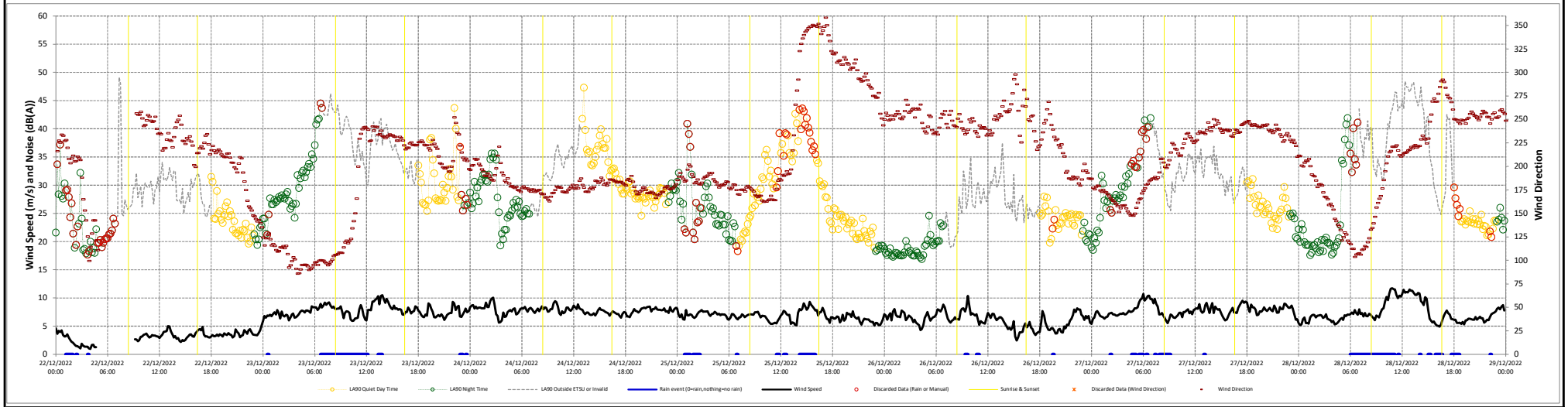
Project	Cooloo Wind Farm
Client	Neoen
Title	Time Series for NML2 Page 5 of 7
Date	10/07/2025

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15/12/2022 to 22/12/2022

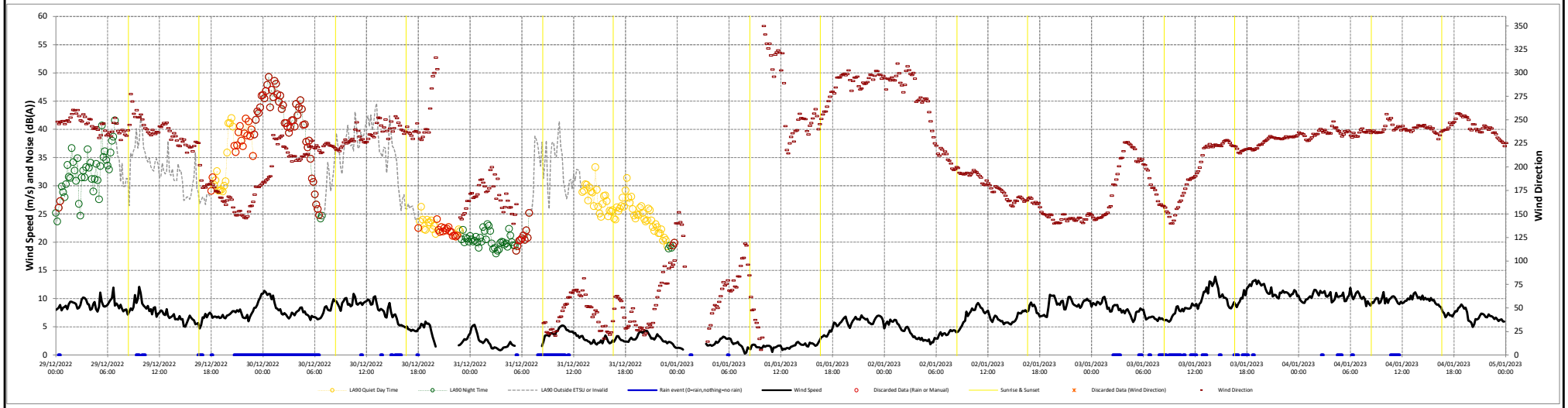


22/12/2022 to 29/12/2022

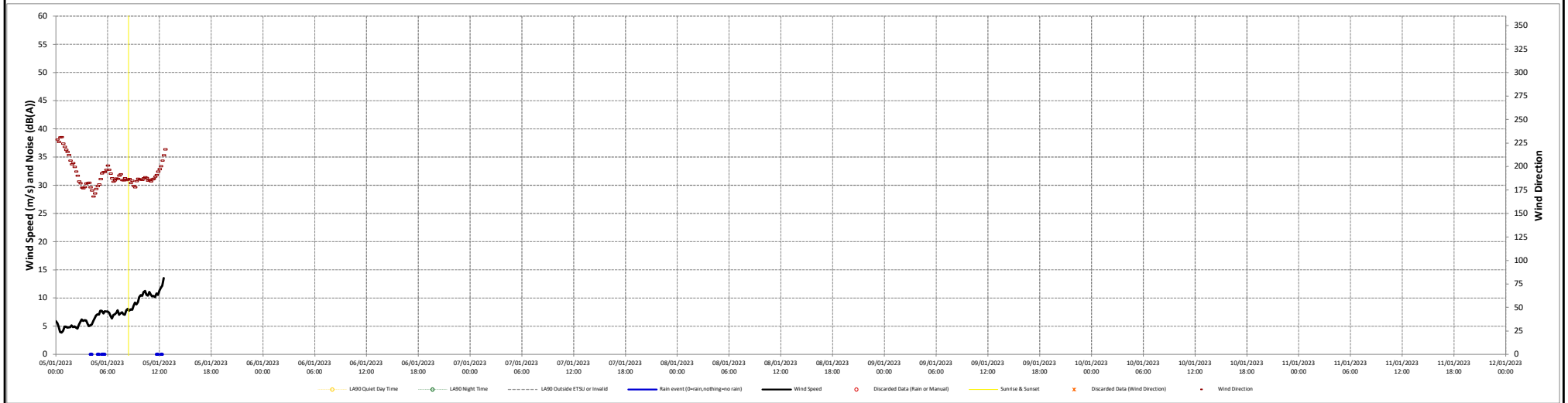


Project	Cooloo Wind Farm
Client	Neoen
Title	Time Series for NML2 Page 6 of 7
Date	10/07/2025

29/12/2022 to 05/01/2023

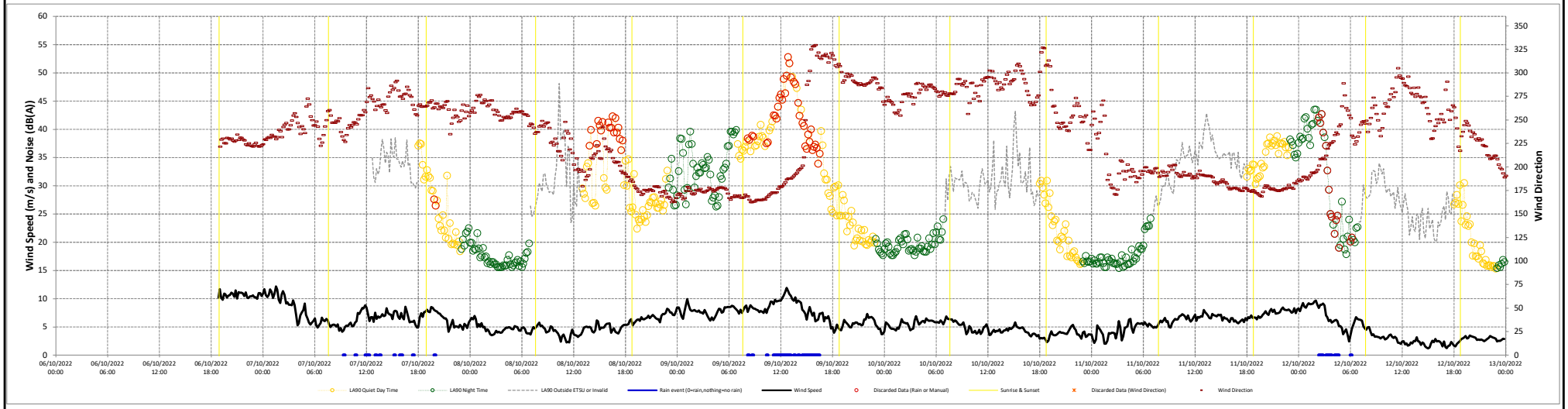


05/01/2023 to 12/01/2023

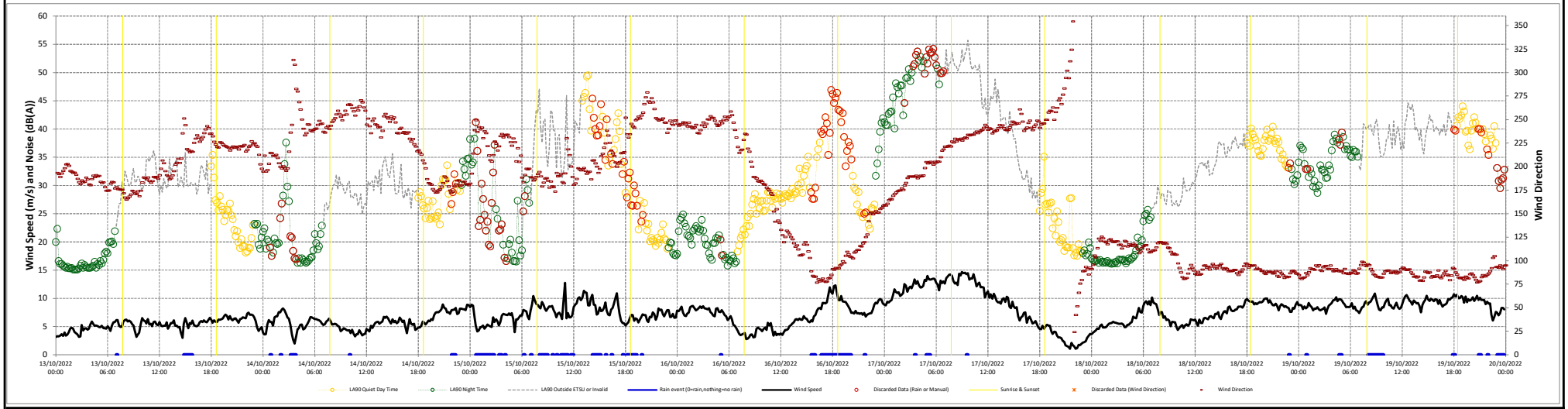


Project	Cooloo Wind Farm
Client	Neoen
Title	Time Series for NML2 Page 7 of 7
Date	10/07/2025

06/10/2022 to 13/10/2022

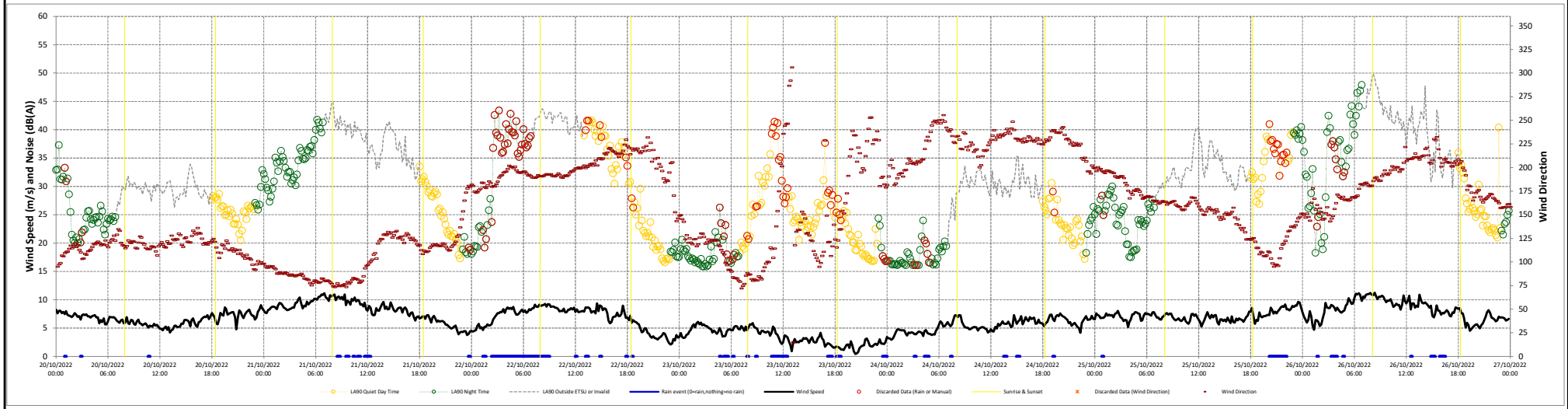


13/10/2022 to 20/10/2022

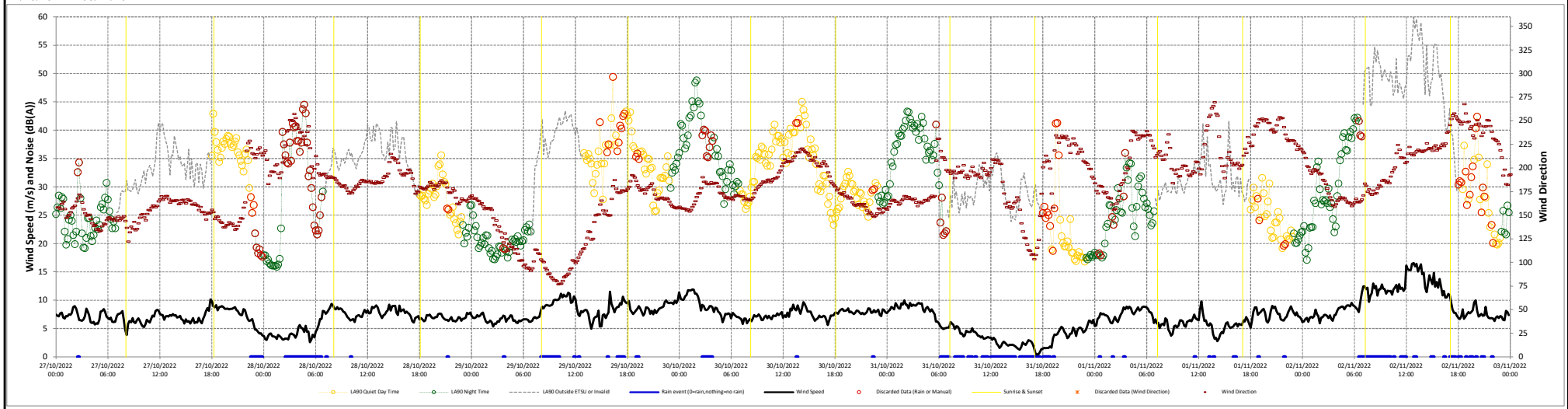


Project	Cooloo Wind Farm
Client	Neoen
Title	Time Series for NML3 Page 1 of 7
Date	10/07/2025

20/10/2022 to 27/10/2022

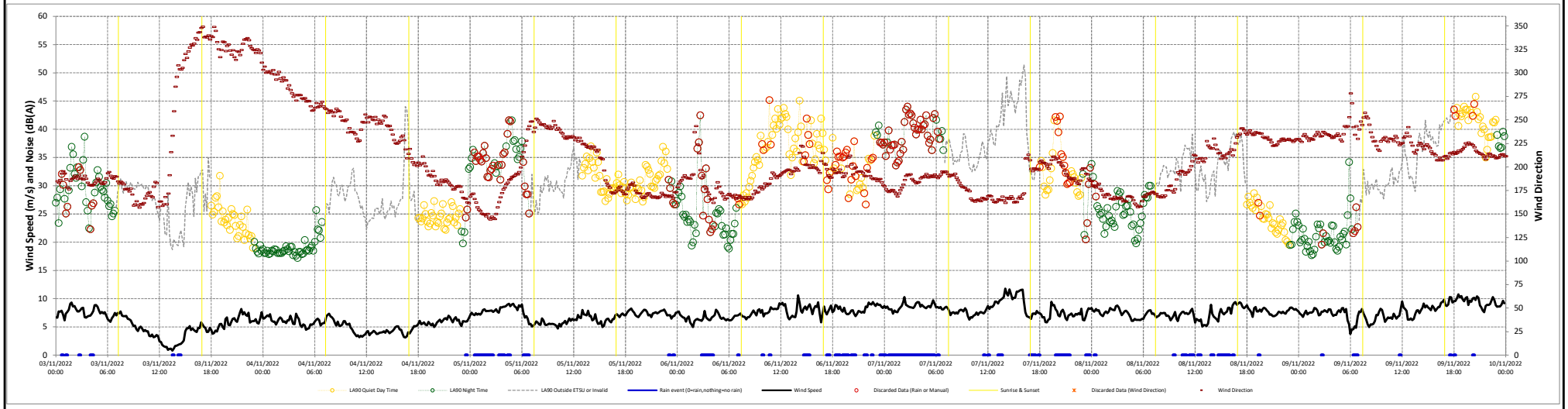


27/10/2022 to 03/11/2022

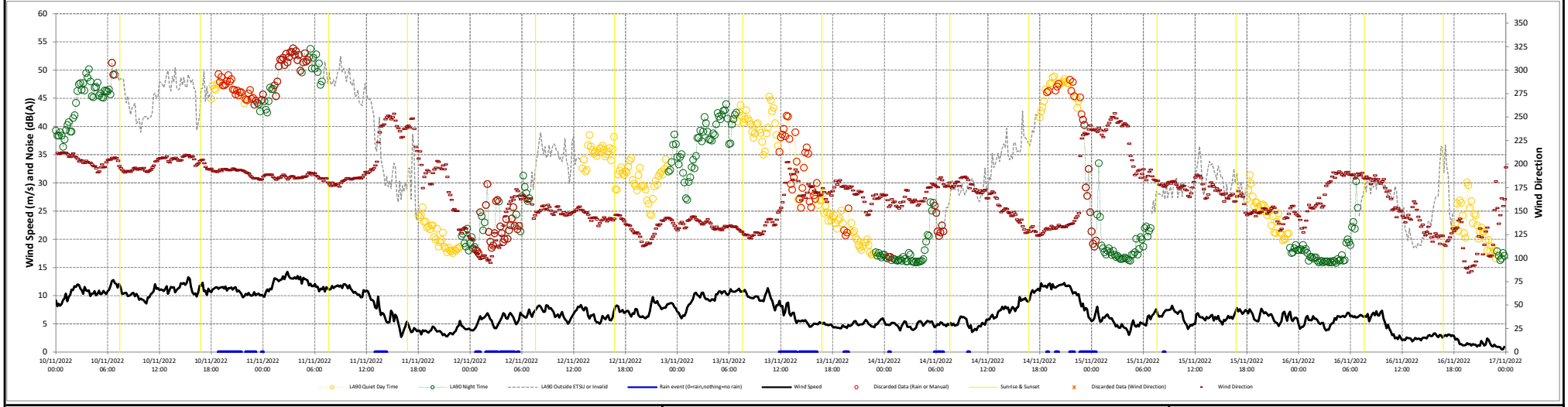


Project	Cooloo Wind Farm
Client	Neoen
Title	Time Series for NML3 Page 2 of 7
Date	10/07/2025

03/11/2022 to 10/11/2022

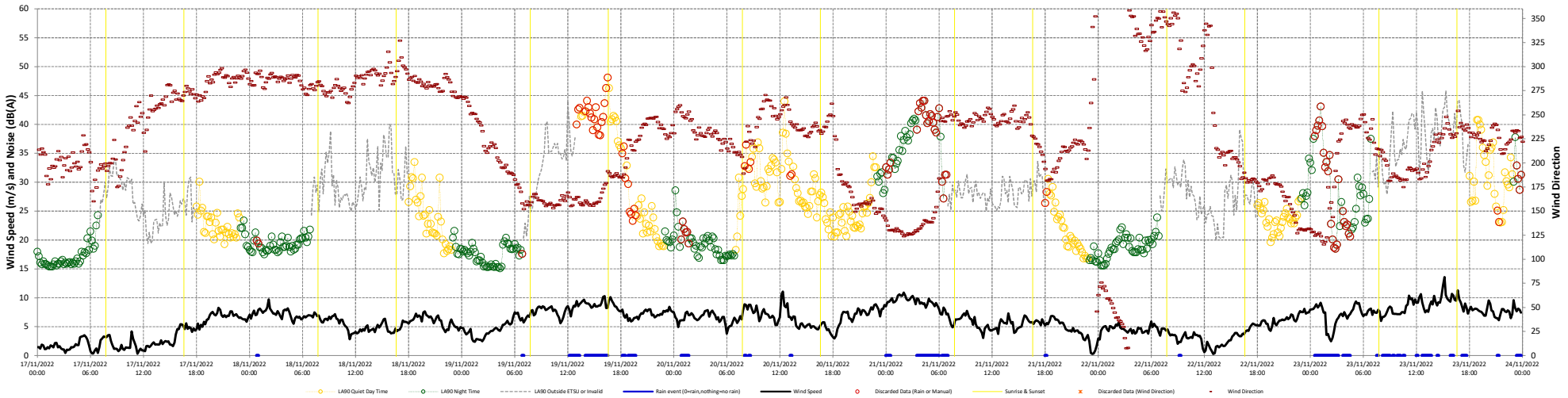


10/11/2022 to 17/11/2022

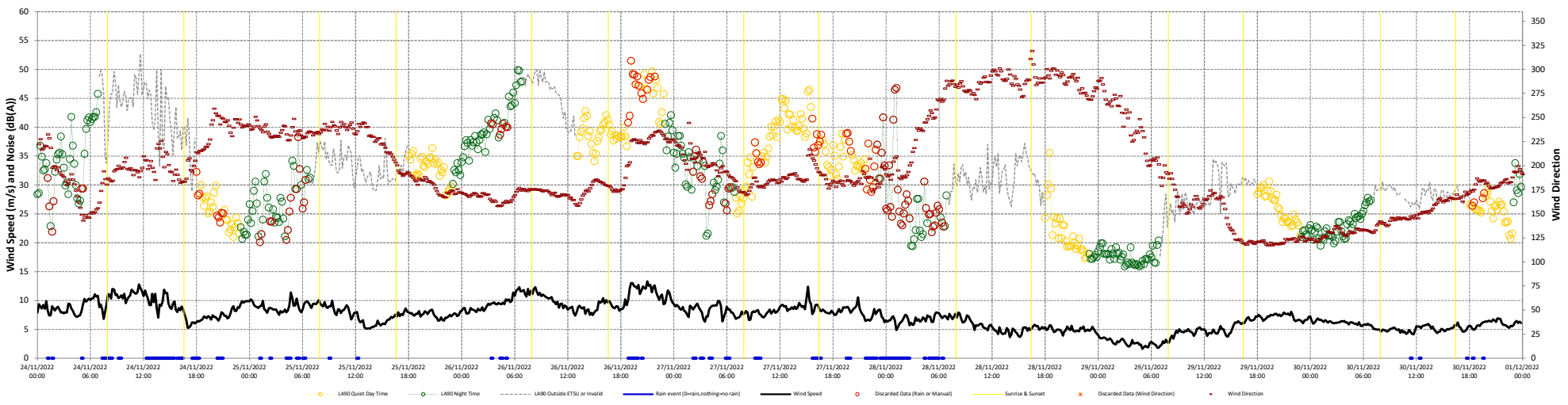


Project	Cooloo Wind Farm
Client	Neoen
Title	Time Series for NML3 Page 3 of 7
Date	10/07/2025

17/11/2022 to 24/11/2022

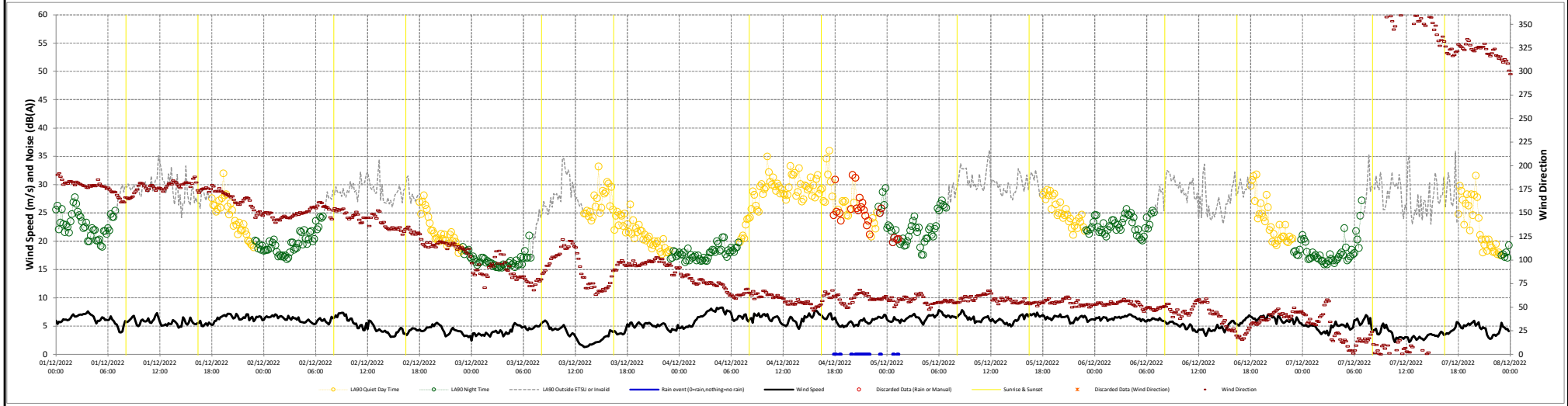


24/11/2022 to 01/12/2022

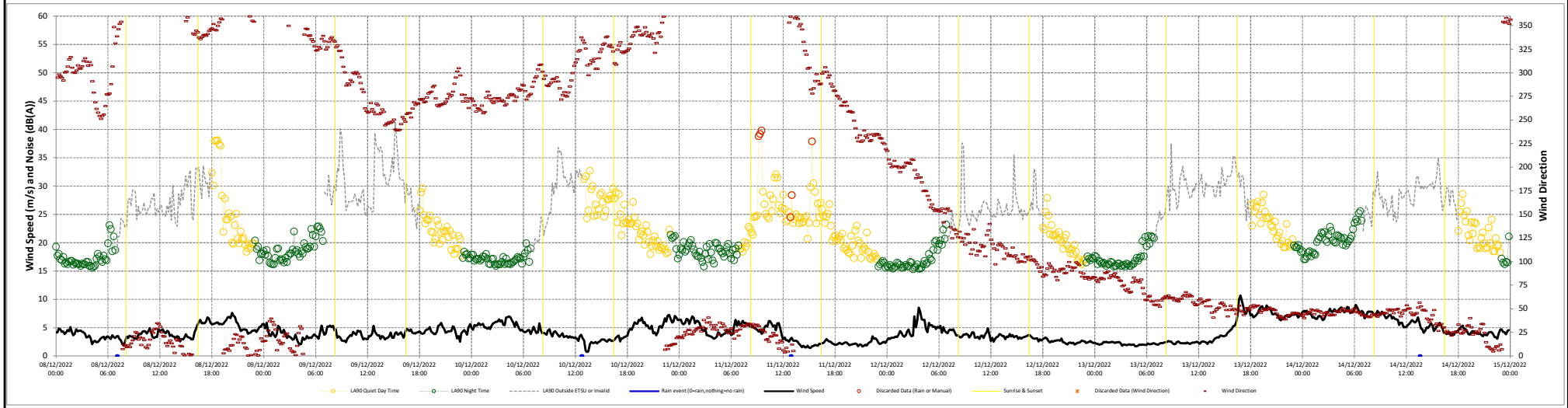


Project	Cooloo Wind Farm
Client	Neoen
Title	Time Series for NML3 Page 4 of 7
Date	10/07/2025

01/12/2022 to 08/12/2022

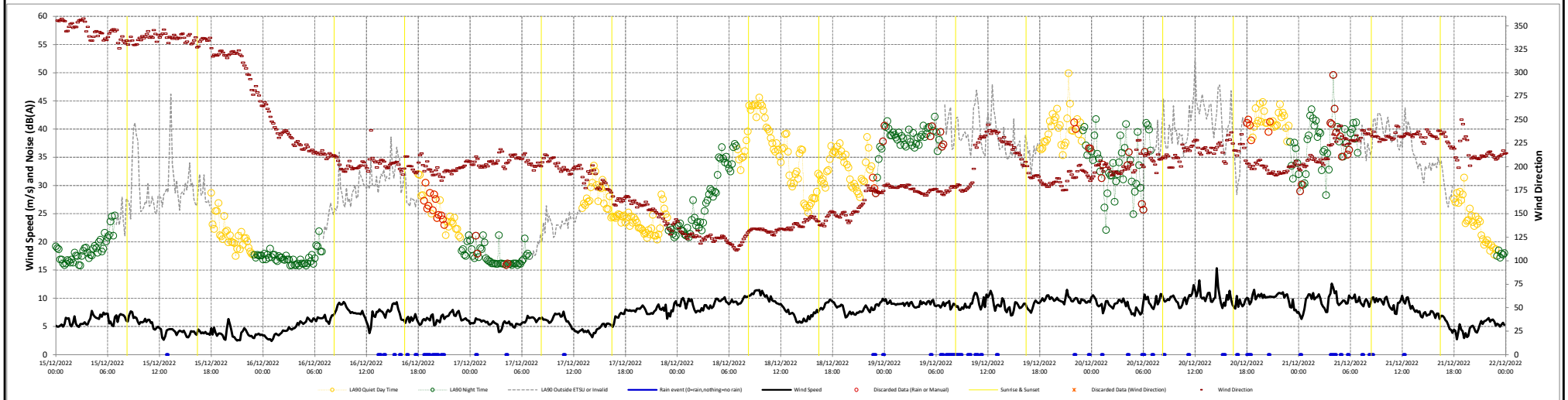


08/12/2022 to 15/12/2022

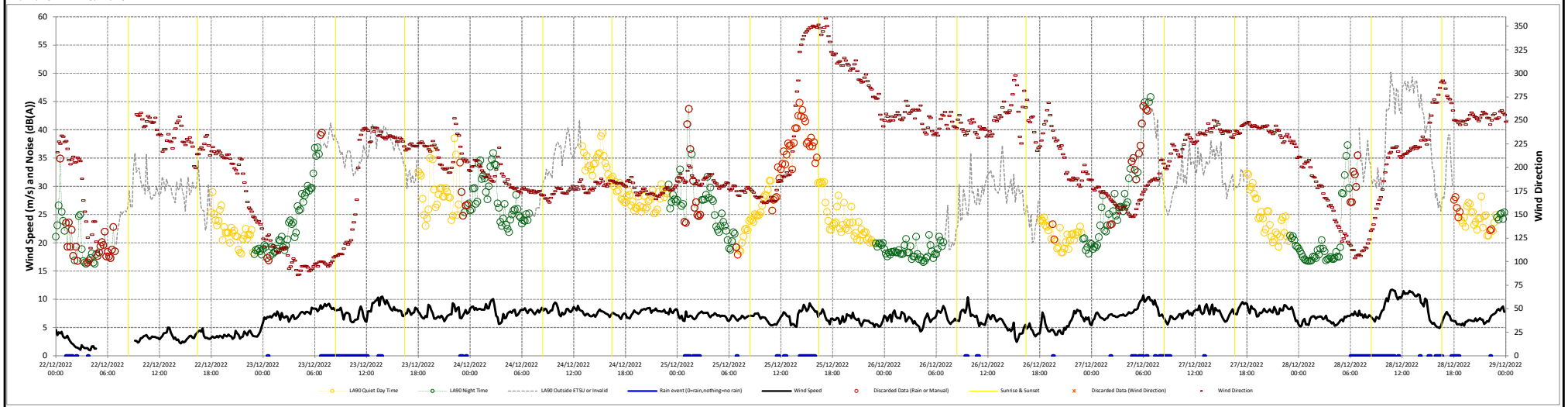


Project	Cooloo Wind Farm
Client	Neoen
Title	Time Series for NML3 Page 5 of 7
Date	10/07/2025

15/12/2022 to 22/12/2022

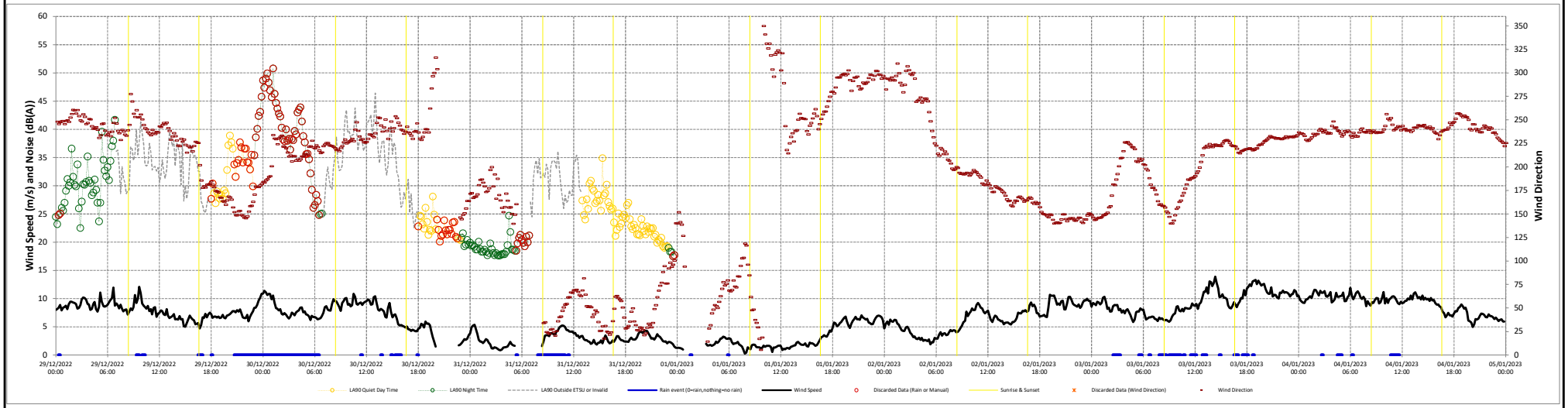


22/12/2022 to 29/12/2022

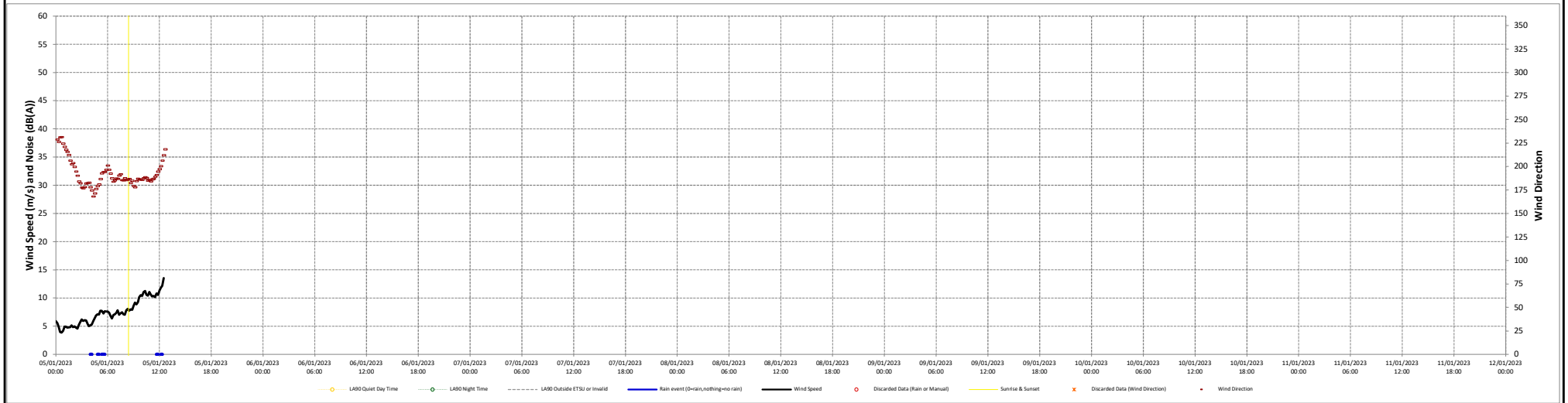


Project	Cooloo Wind Farm
Client	Neoen
Title	Time Series for NML3 Page 6 of 7
Date	10/07/2025

29/12/2022 to 05/01/2023

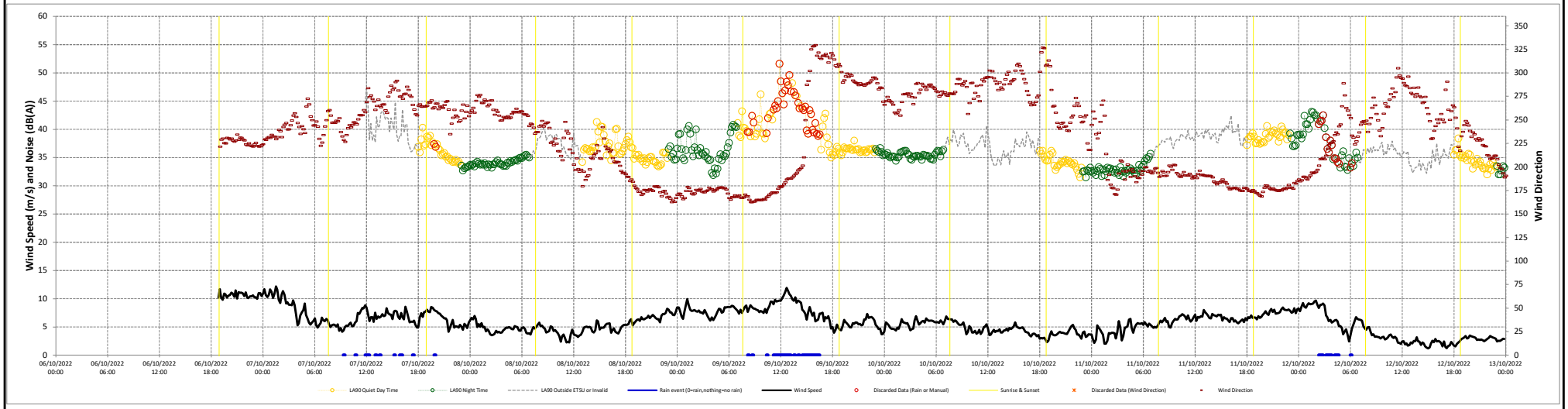


05/01/2023 to 12/01/2023

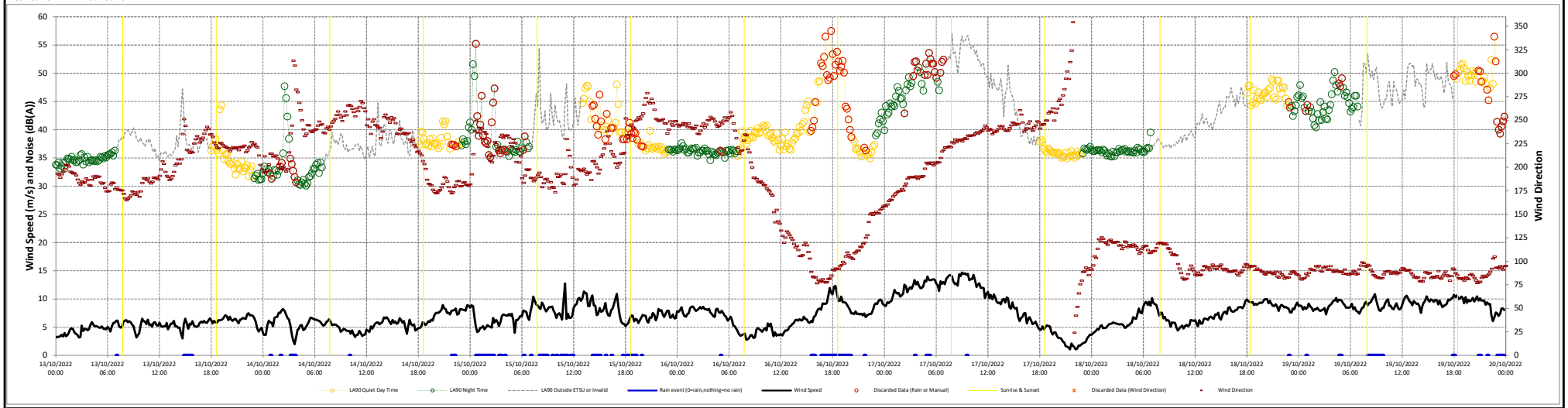


Project	Cooloo Wind Farm
Client	Neoen
Title	Time Series for NML3 Page 7 of 7
Date	10/07/2025

06/10/2022 to 13/10/2022

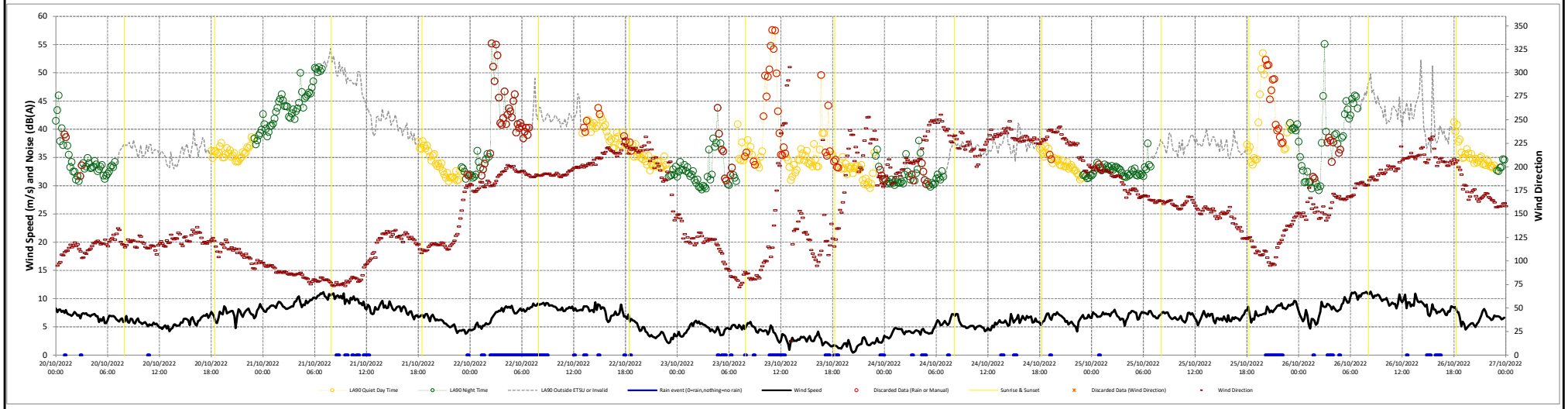


13/10/2022 to 20/10/2022

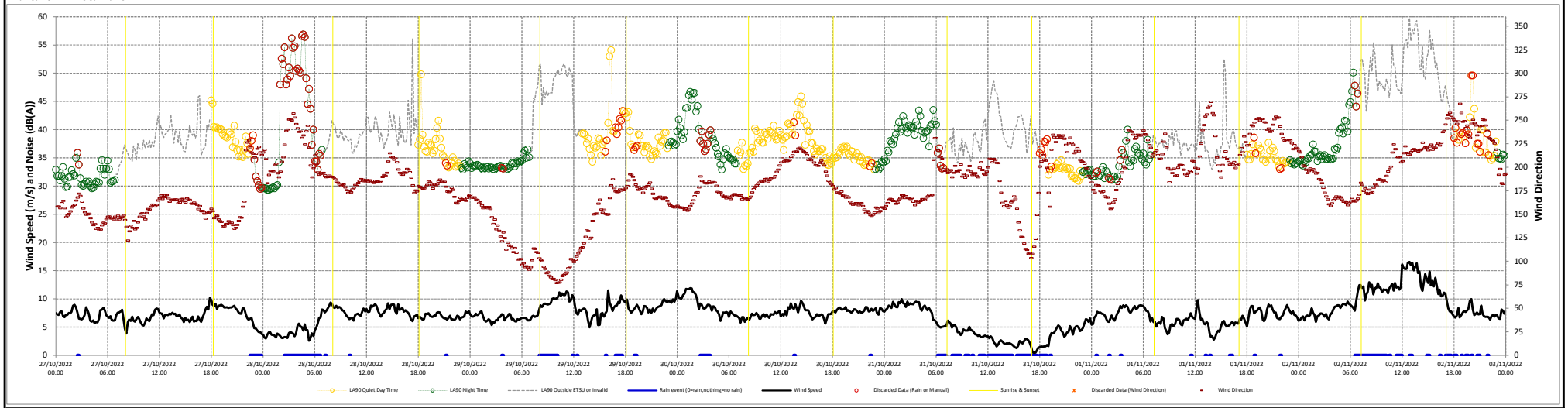


Project	Cooloo
Client	Neoen
Title	Time Series for NML4 Page 1 of 7
Date	10/07/2025

20/10/2022 to 27/10/2022



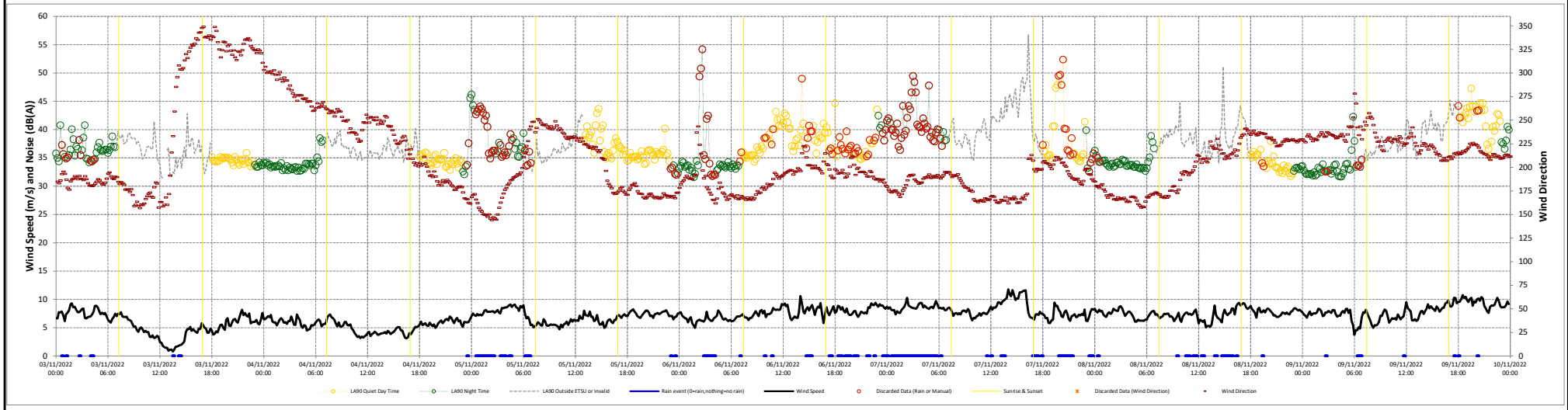
27/10/2022 to 03/11/2022



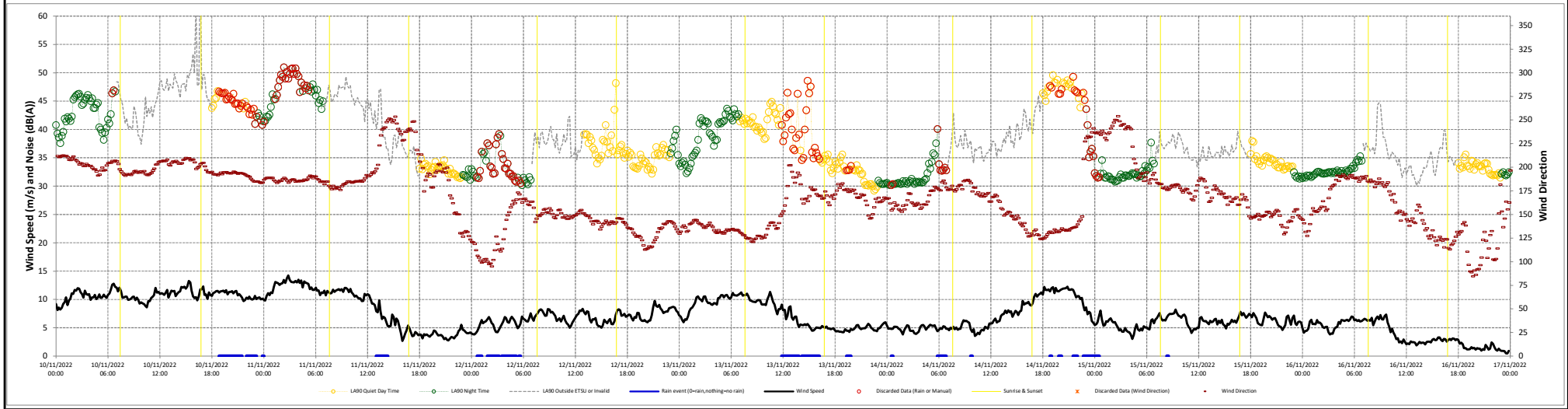
Project	Cooloo
Client	Neoen
Title	Time Series for NML4 Page 2 of 7
Date	10/07/2025

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03/11/2022 to 10/11/2022

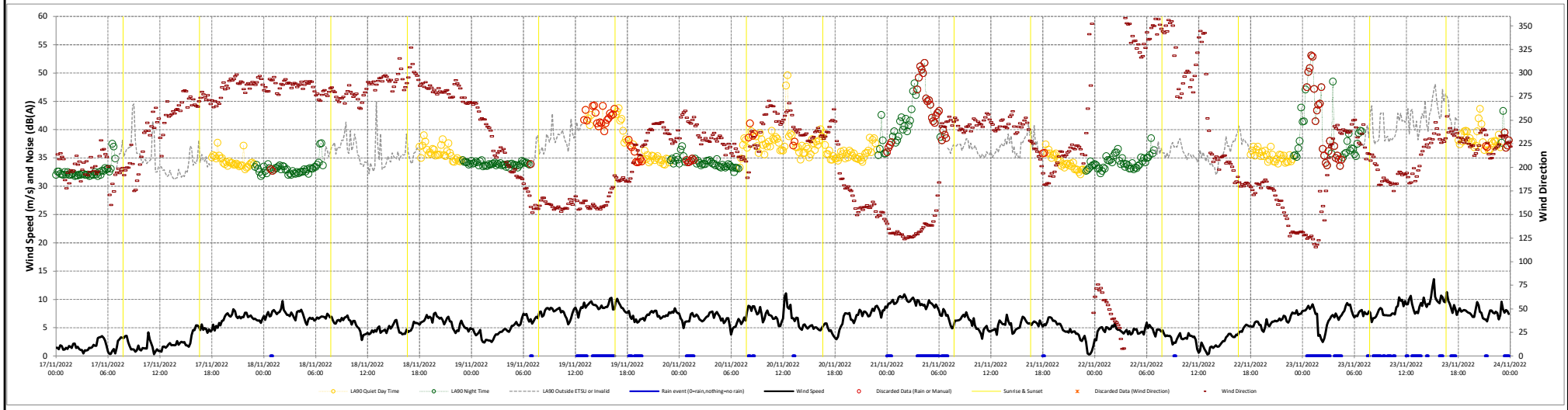


10/11/2022 to 17/11/2022

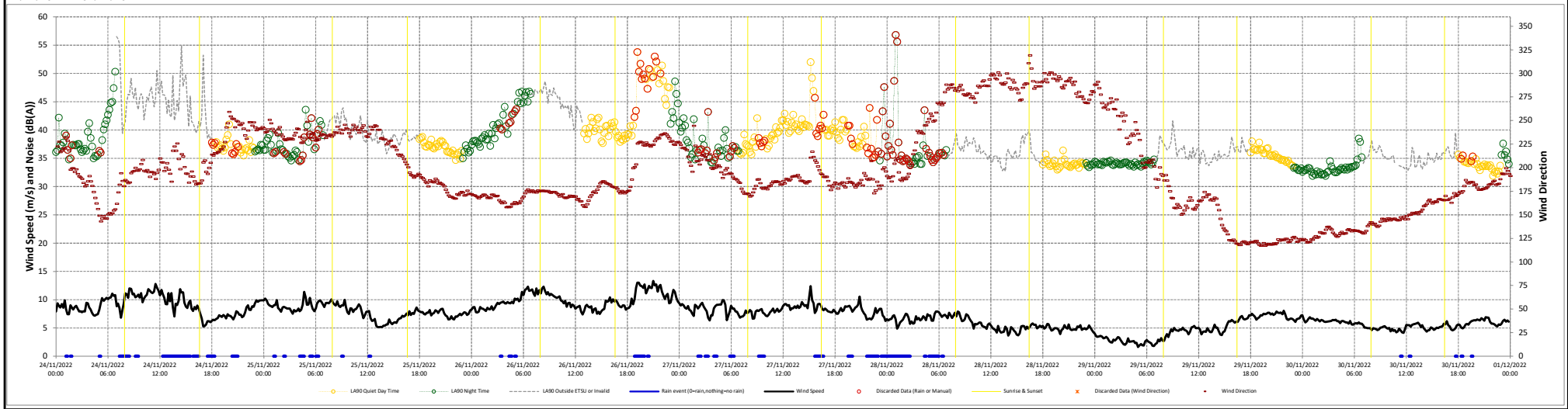


Project	Cooloo
Client	Neoen
Title	Time Series for NML4 Page 3 of 7
Date	10/07/2025

17/11/2022 to 24/11/2022

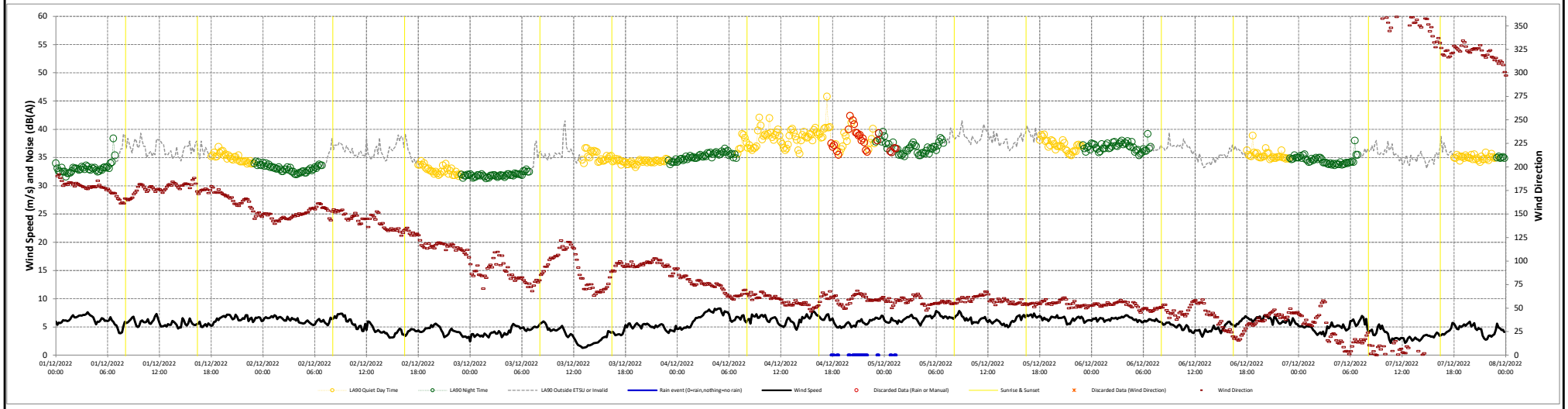


24/11/2022 to 01/12/2022

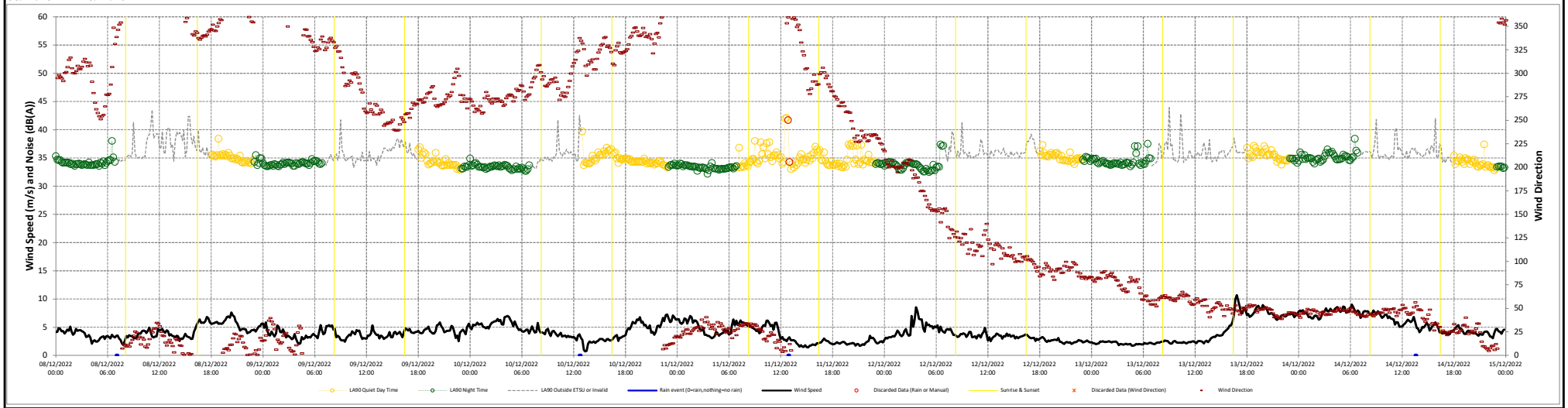


Project	Cooloo
Client	Neoen
Title	Time Series for NML4 Page 4 of 7
Date	10/07/2025

01/12/2022 to 08/12/2022

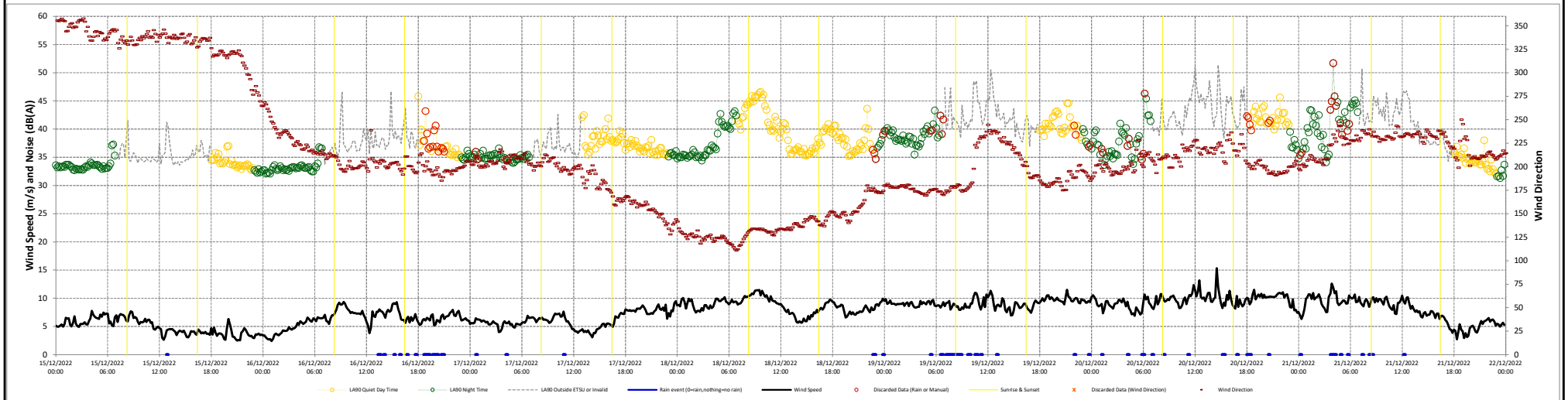


08/12/2022 to 15/12/2022

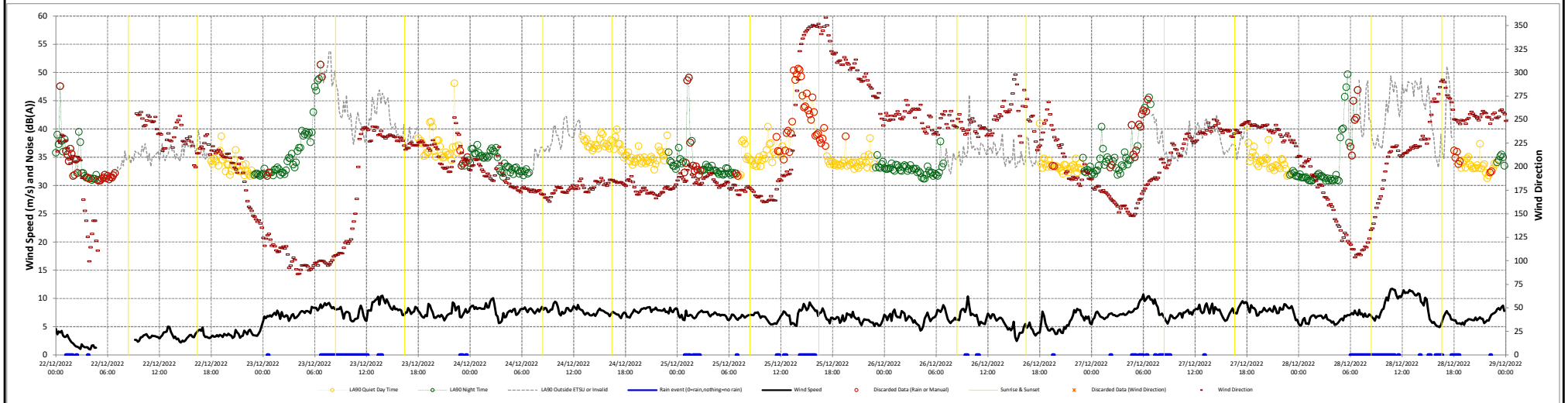


Project	Cooloo
Client	Neoen
Title	Time Series for NML4 Page 5 of 7
Date	10/07/2025

15/12/2022 to 22/12/2022

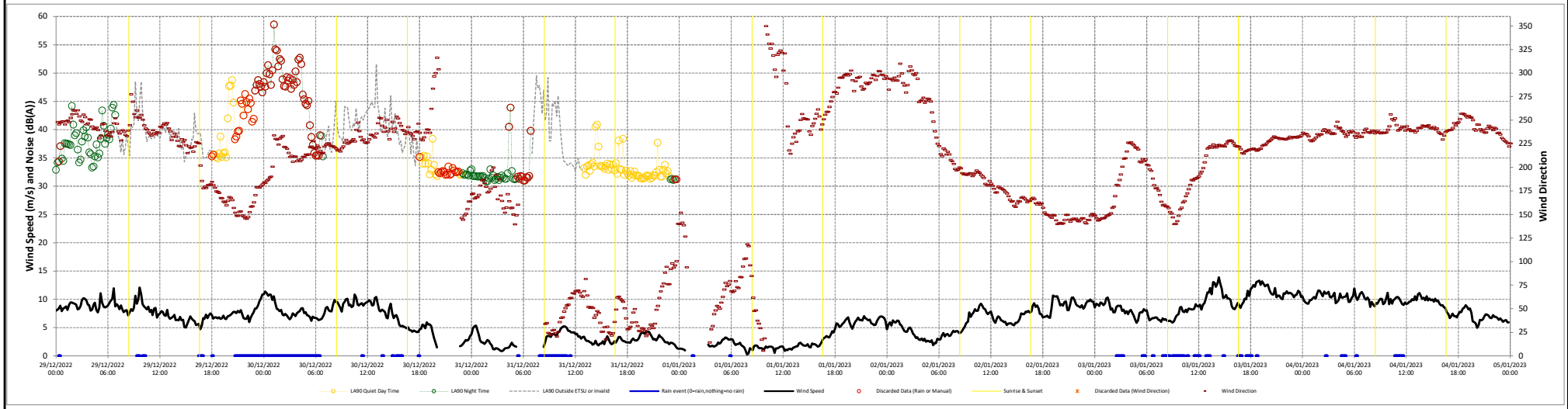


22/12/2022 to 29/12/2022

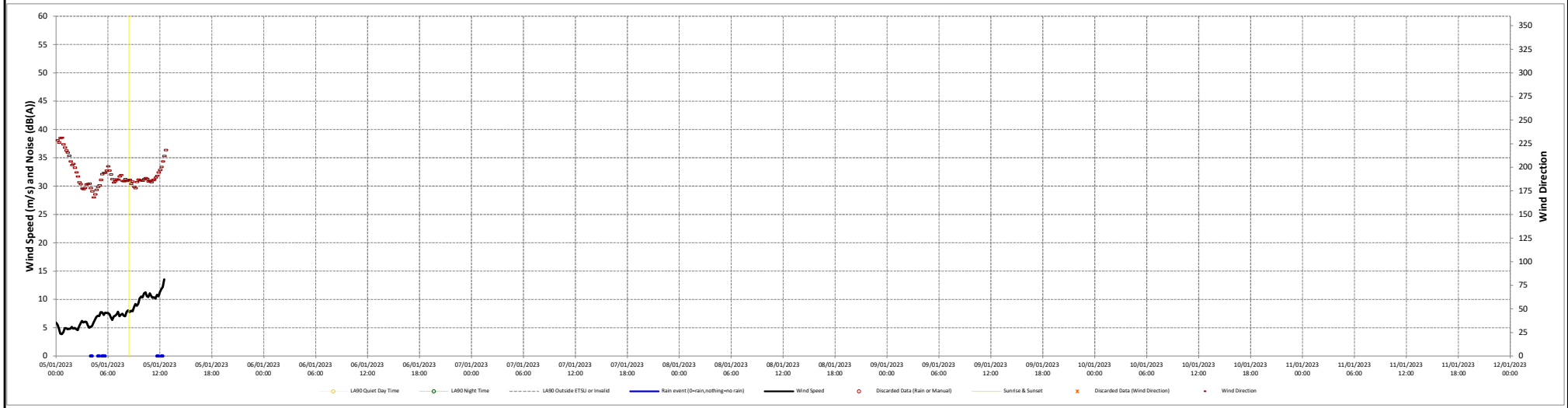


Project	Cooloo
Client	Neoen
Title	Time Series for NML4 Page 6 of 7
Date	10/07/2025

29/12/2022 to 05/01/2023

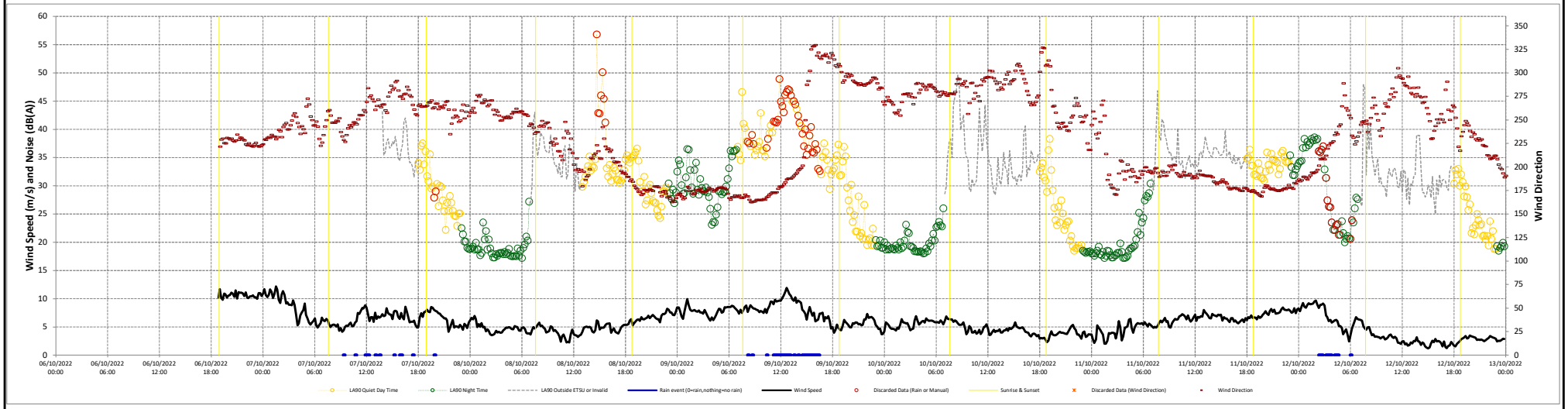


05/01/2023 to 12/01/2023

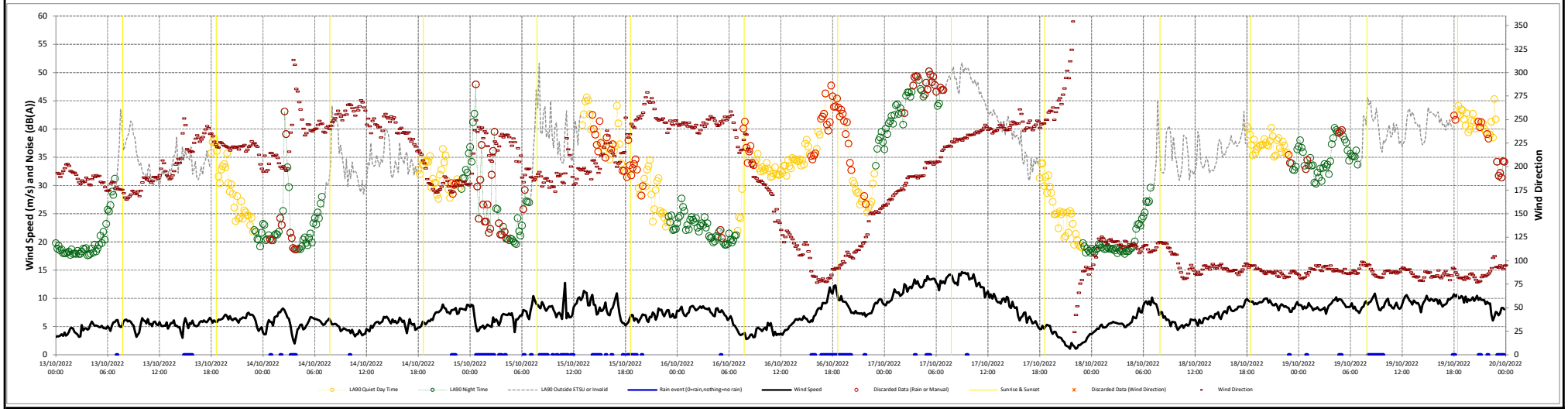


Project	Cooloo
Client	Neoen
Title	Time Series for NML4 Page 7 of 7
Date	10/07/2025

06/10/2022 to 13/10/2022

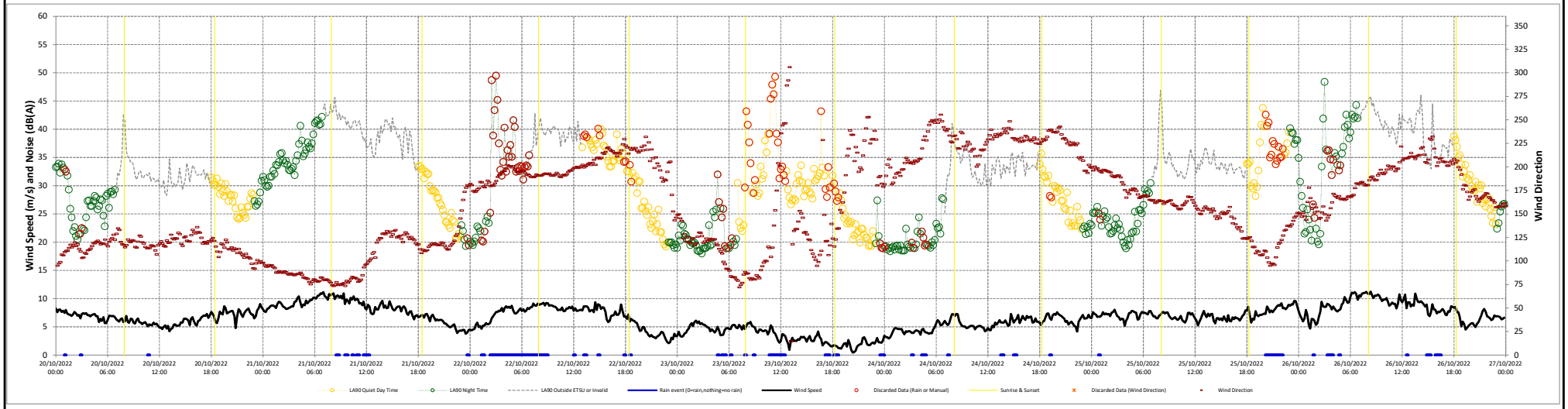


13/10/2022 to 20/10/2022

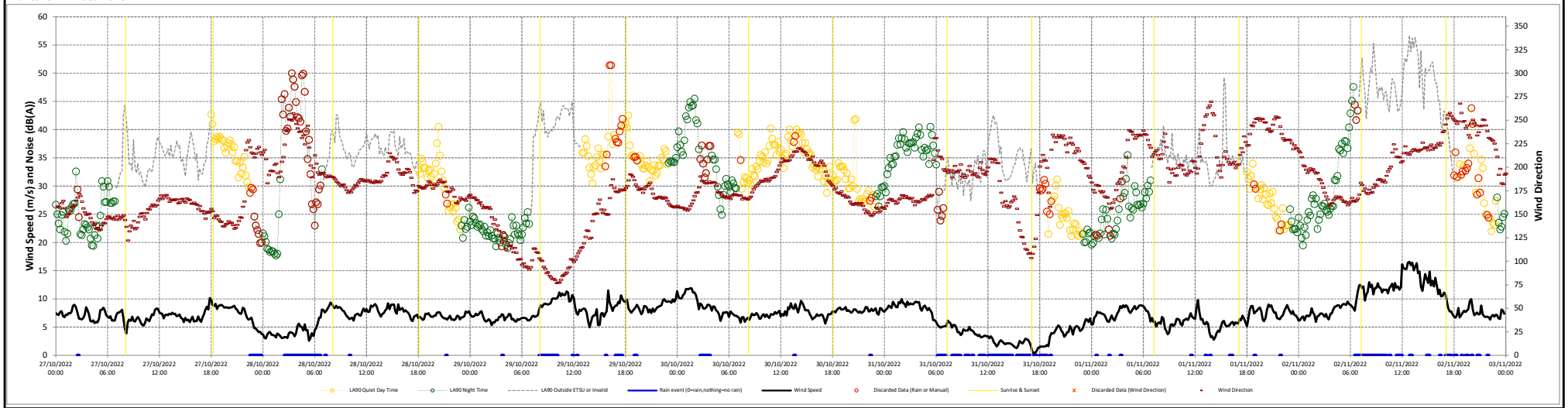


Project	Cooloo Wind Farm
Client	Neoen
Title	Time Series for NML5 Page 1 of 7
Date	10/07/2025

20/10/2022 to 27/10/2022

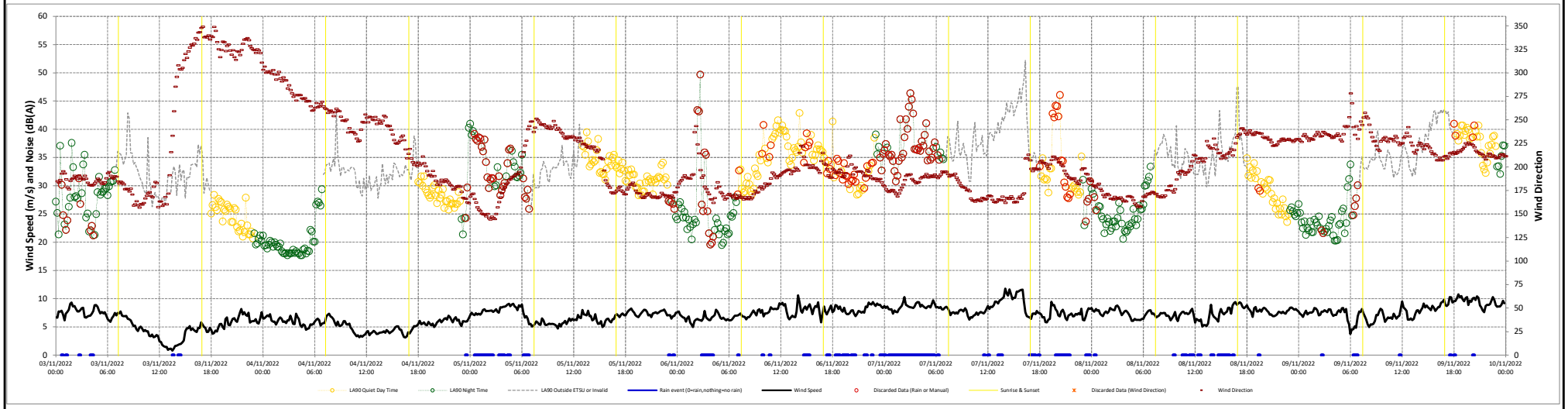


27/10/2022 to 03/11/2022

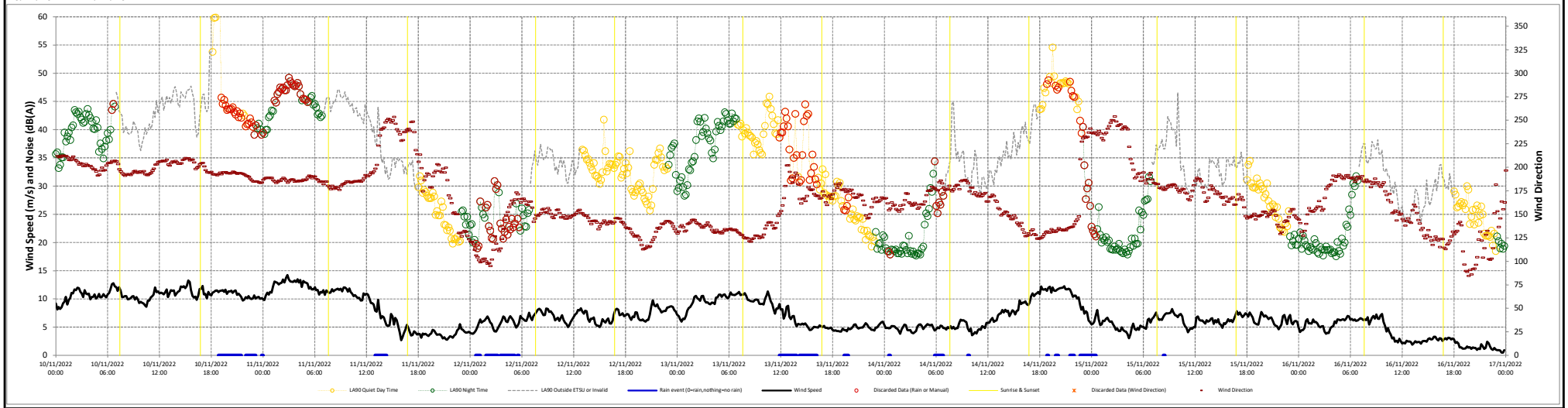


Project	Cooloo Wind Farm
Client	Neoen
Title	Time Series for NML5 Page 2 of 7
Date	10/07/2025

03/11/2022 to 10/11/2022

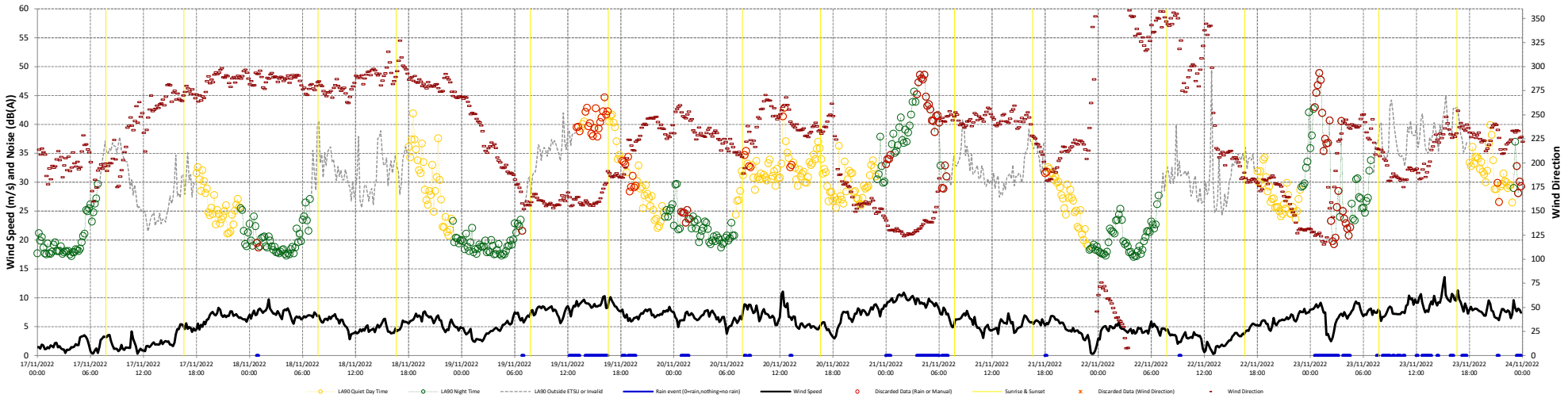


10/11/2022 to 17/11/2022

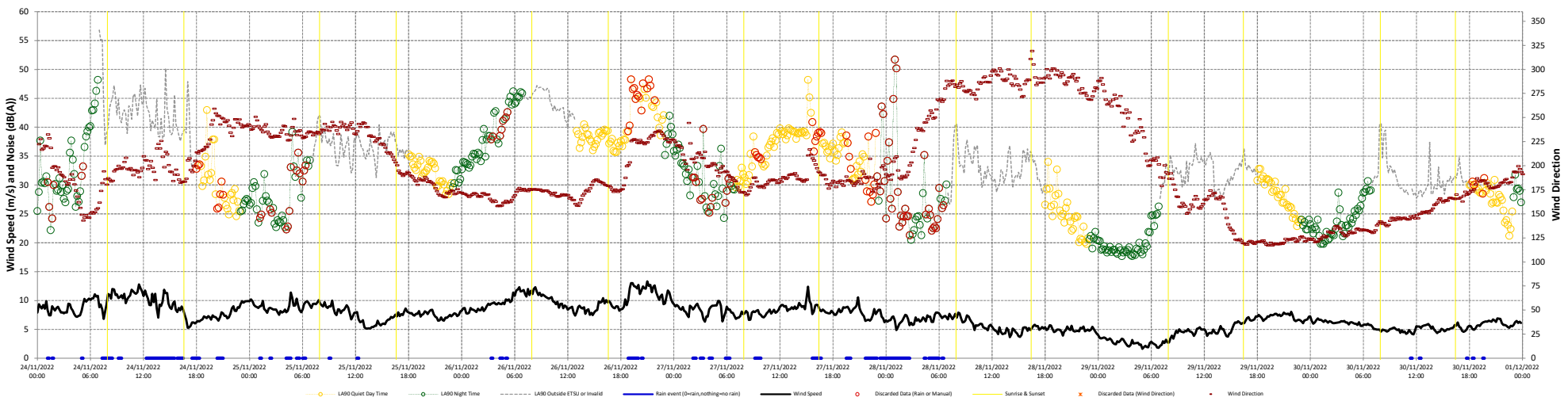


Project	Cooloo Wind Farm
Client	Neoen
Title	Time Series for NML5 Page 3 of 7
Date	10/07/2025

17/11/2022 to 24/11/2022

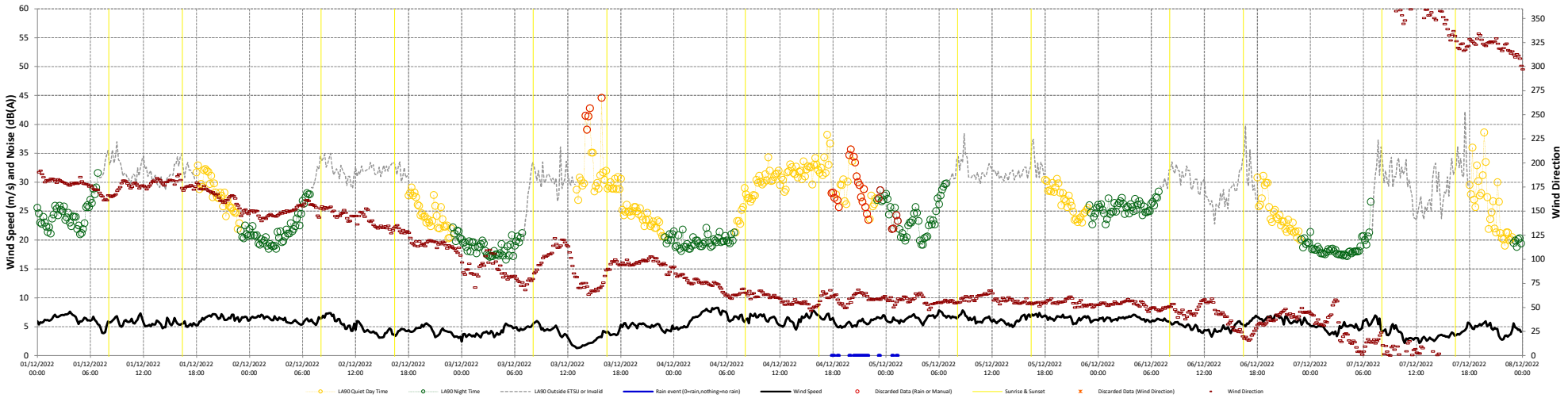


24/11/2022 to 01/12/2022

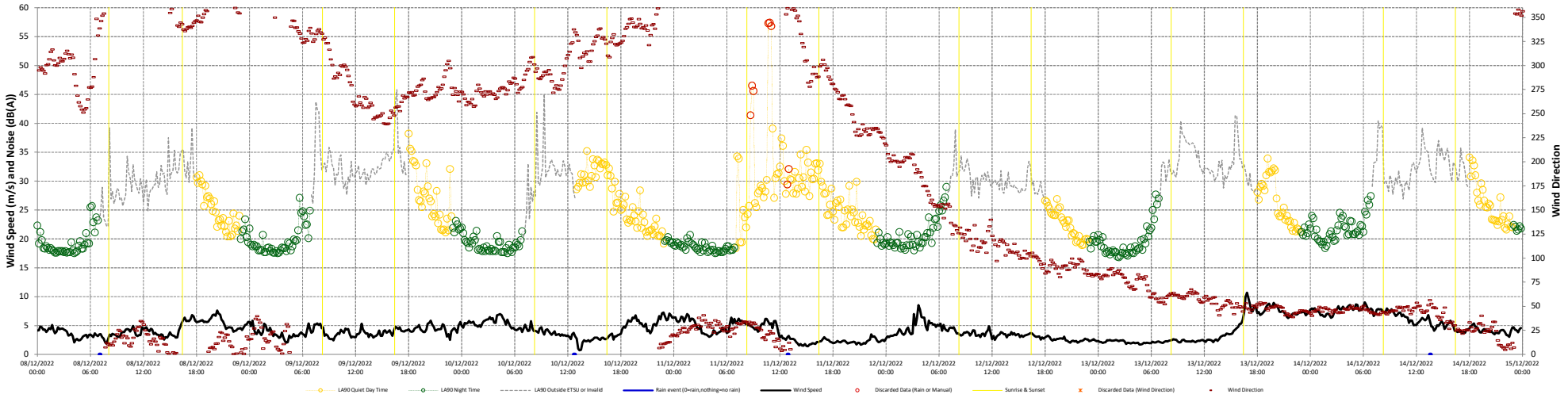


Project	Cooloo Wind Farm
Client	Neoen
Title	Time Series for NML5 Page 4 of 7
Date	10/07/2025

01/12/2022 to 08/12/2022



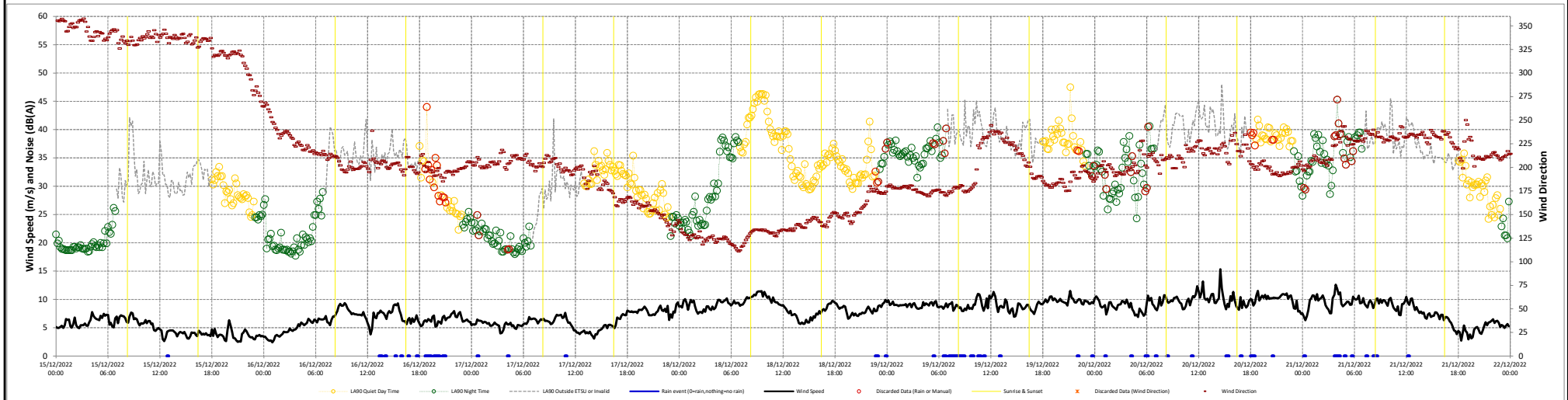
08/12/2022 to 15/12/2022



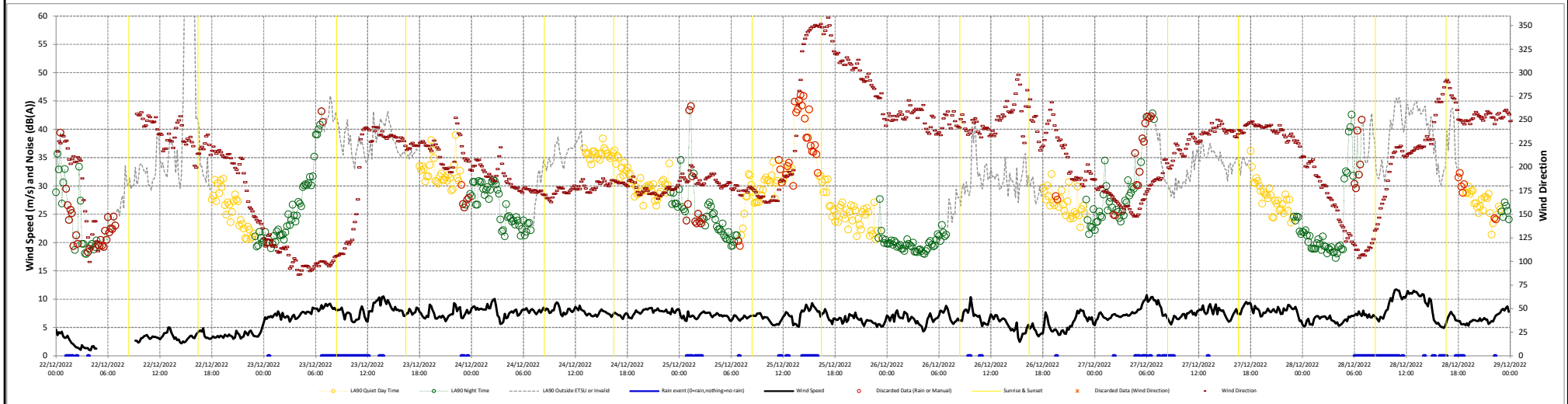
Project	Cooloo Wind Farm
Client	Neoen
Title	Time Series for NML5 Page 5 of 7
Date	10/07/2025

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15/12/2022 to 22/12/2022

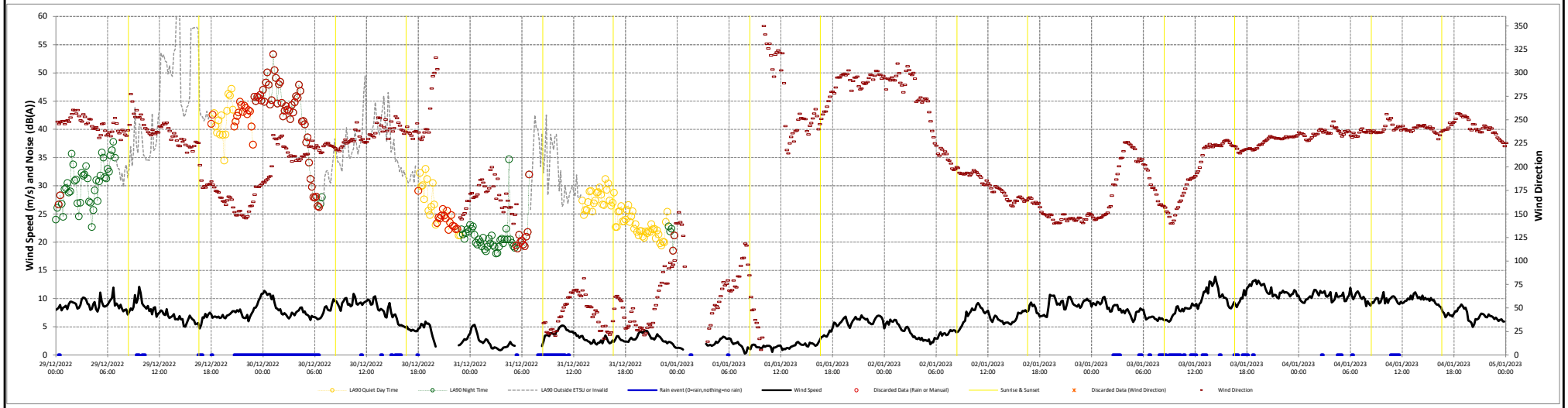


22/12/2022 to 29/12/2022

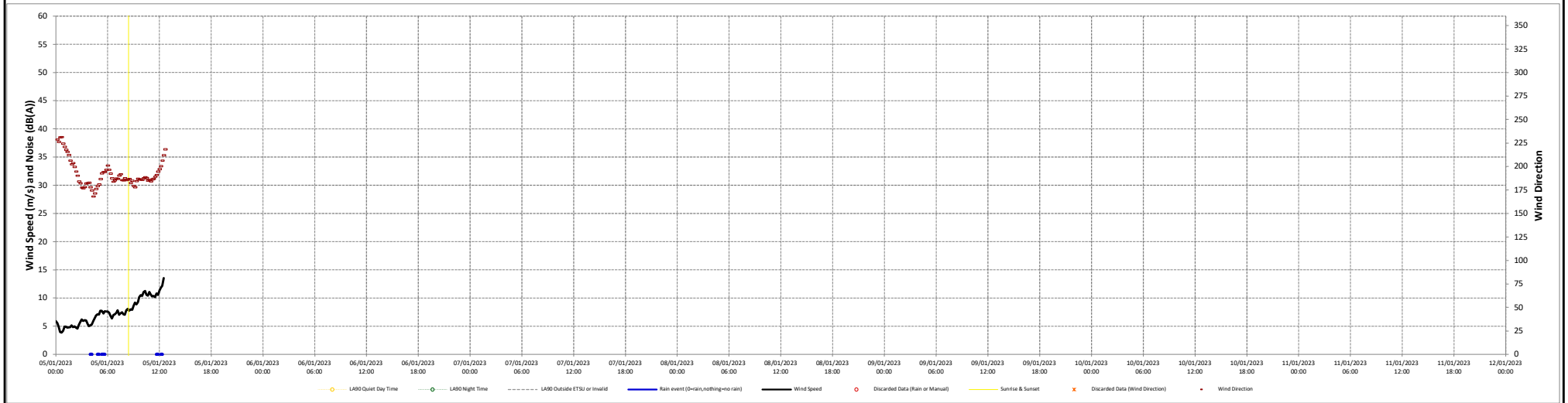


Project	Cooloo Wind Farm
Client	Neoen
Title	Time Series for NML5 Page 6 of 7
Date	10/07/2025

29/12/2022 to 05/01/2023

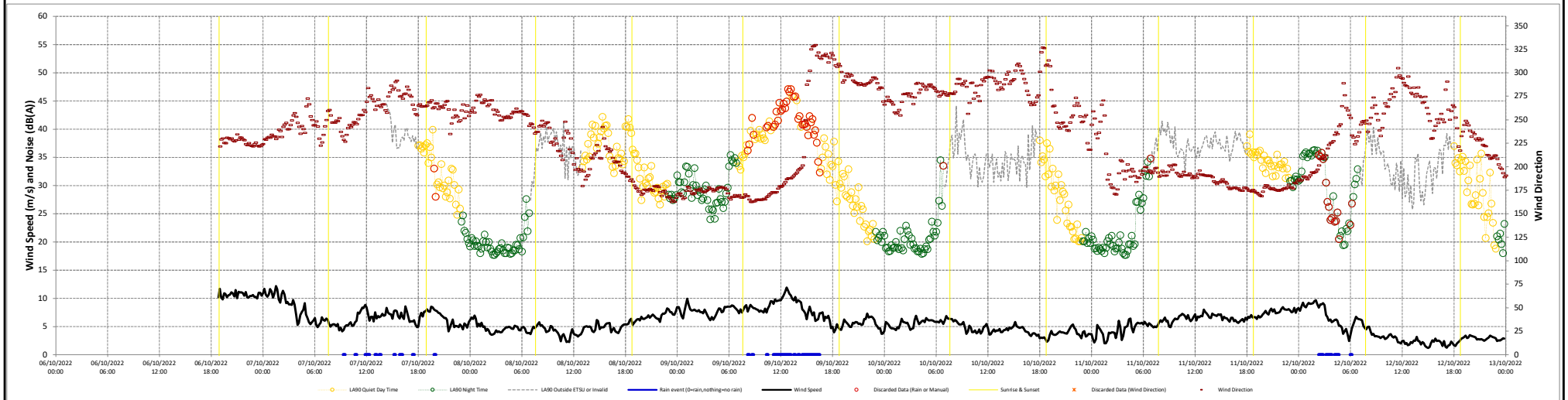


05/01/2023 to 12/01/2023

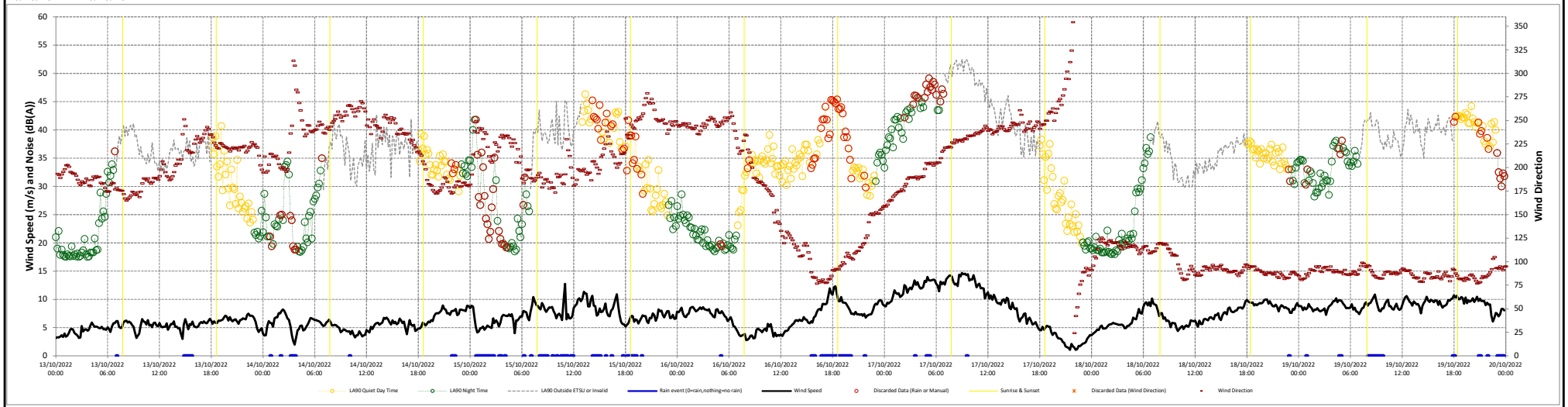


Project	Cooloo Wind Farm
Client	Neoen
Title	Time Series for NML5 Page 7 of 7
Date	10/07/2025

06/10/2022 to 13/10/2022



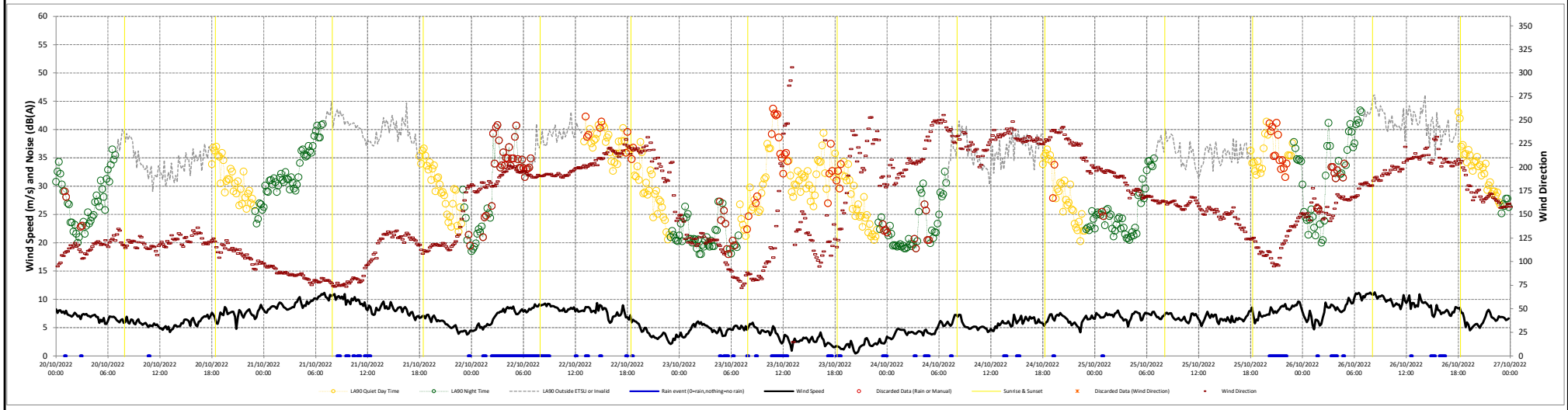
13/10/2022 to 20/10/2022



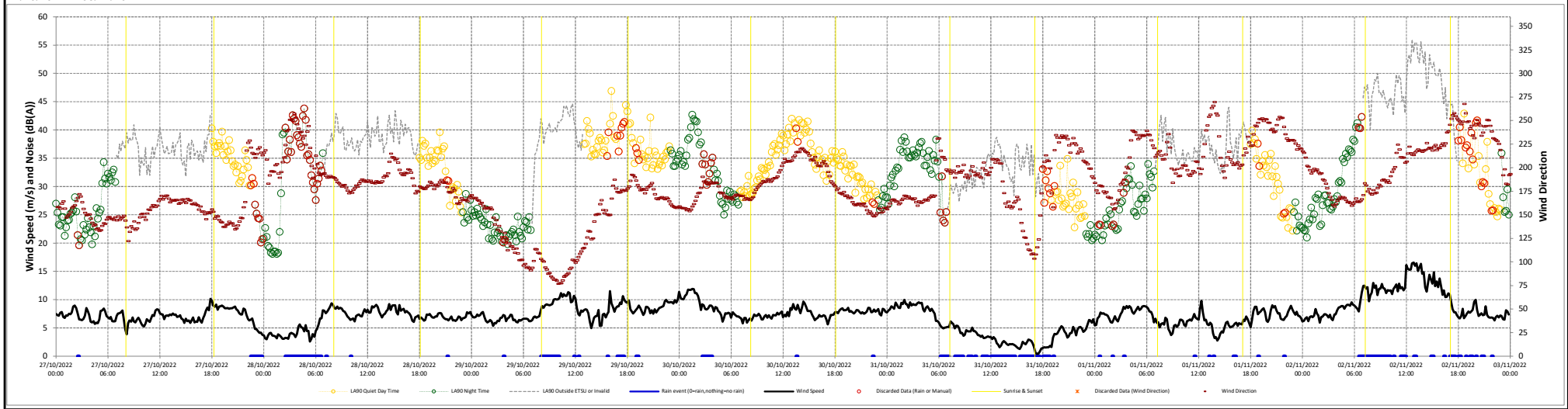
Project	Cooloo Wind Farm
Client	Neoen
Title	Time Series for NML6 Page 1 of 7
Date	10/07/2025

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20/10/2022 to 27/10/2022

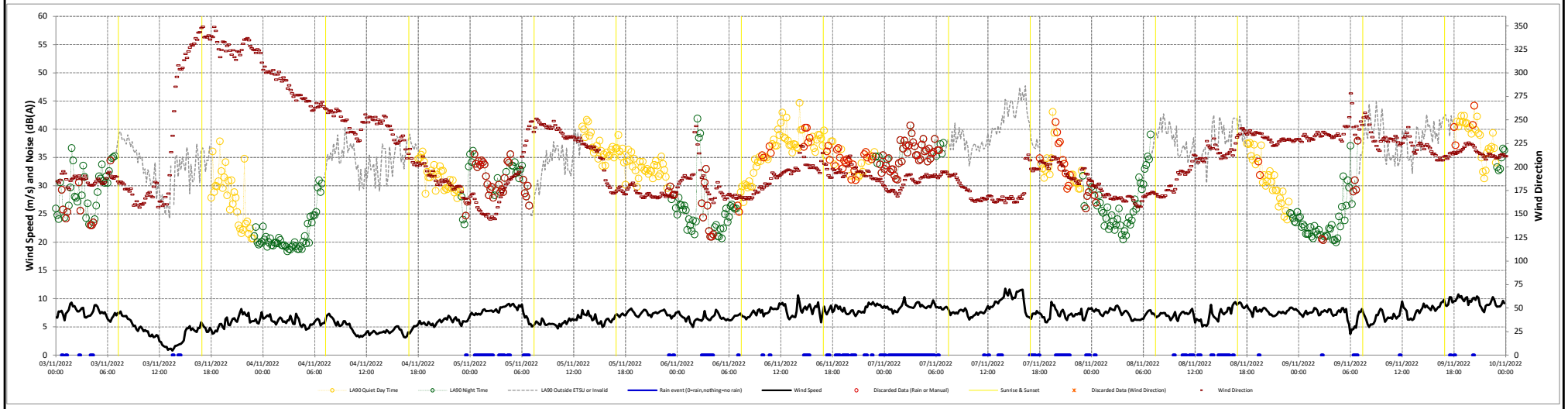


27/10/2022 to 03/11/2022

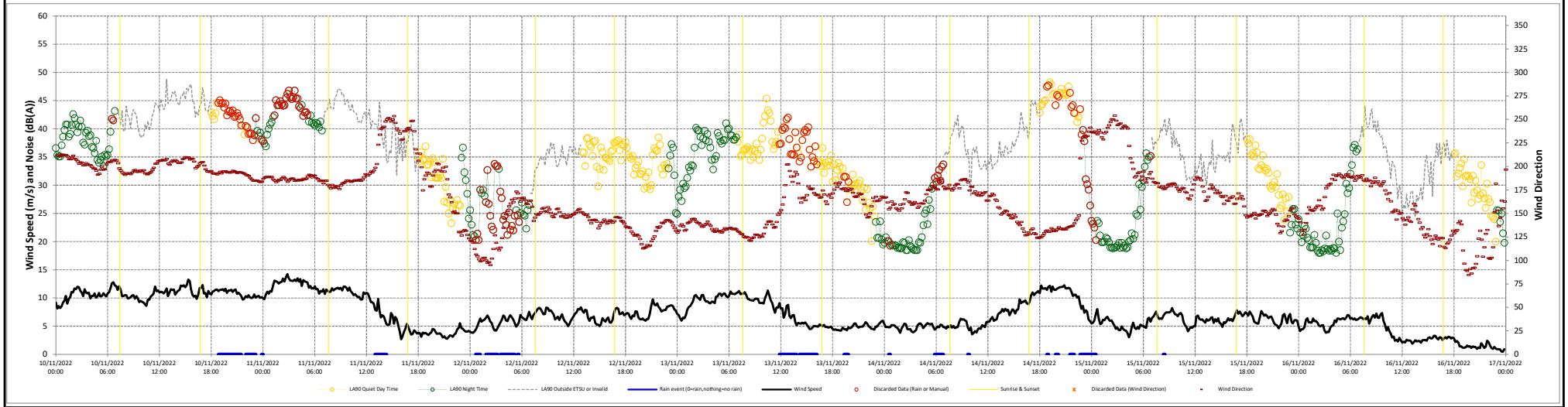


Project	Cooloo Wind Farm
Client	Neoen
Title	Time Series for NML6 Page 2 of 7
Date	10/07/2025

03/11/2022 to 10/11/2022



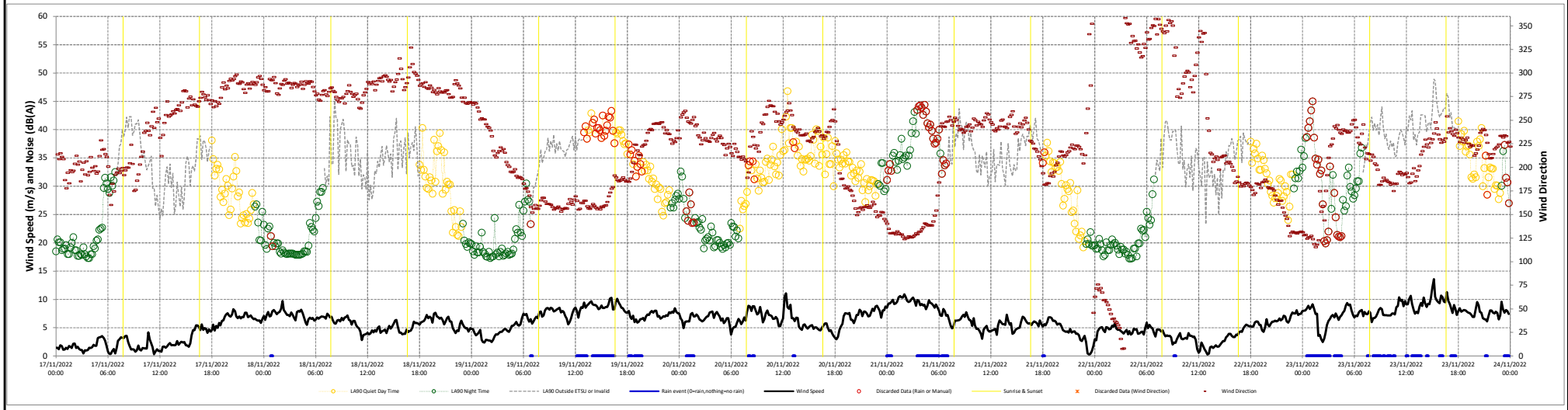
10/11/2022 to 17/11/2022



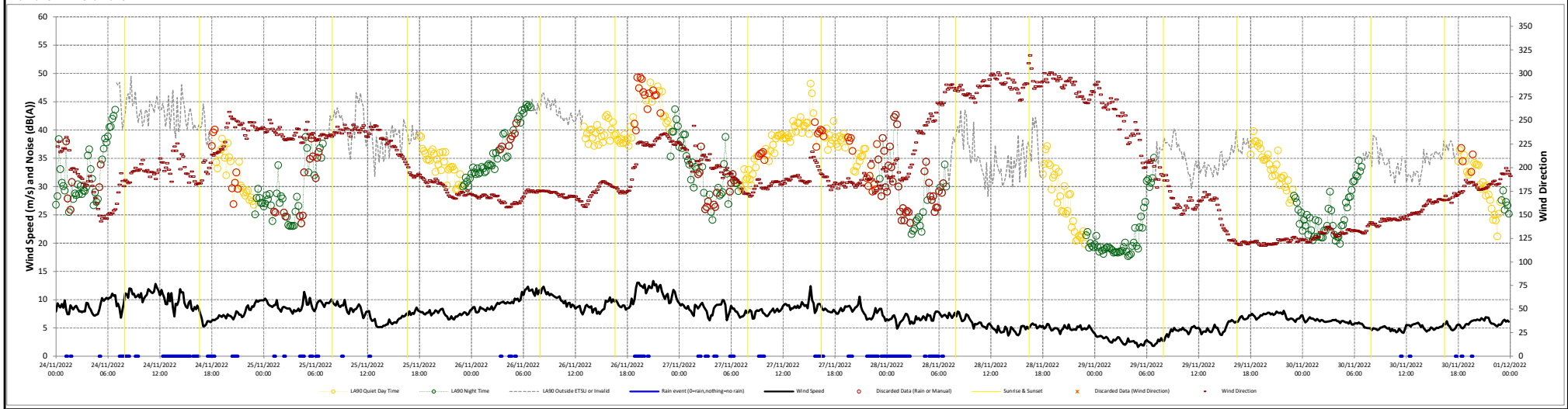
Project	Cooloo Wind Farm
Client	Neoen
Title	Time Series for NML6 Page 3 of 7
Date	10/07/2025

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17/11/2022 to 24/11/2022

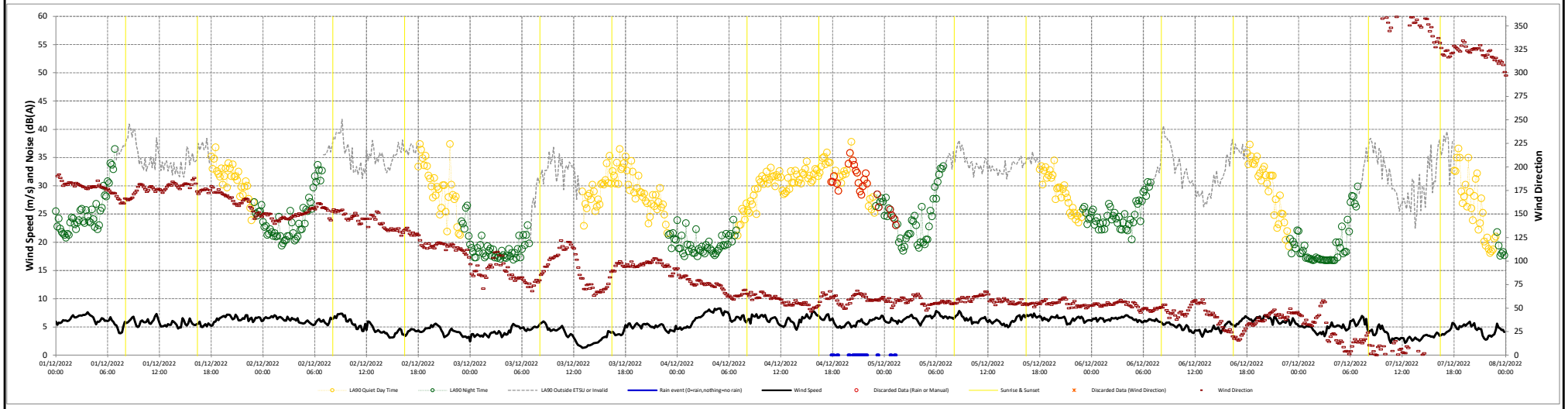


24/11/2022 to 01/12/2022

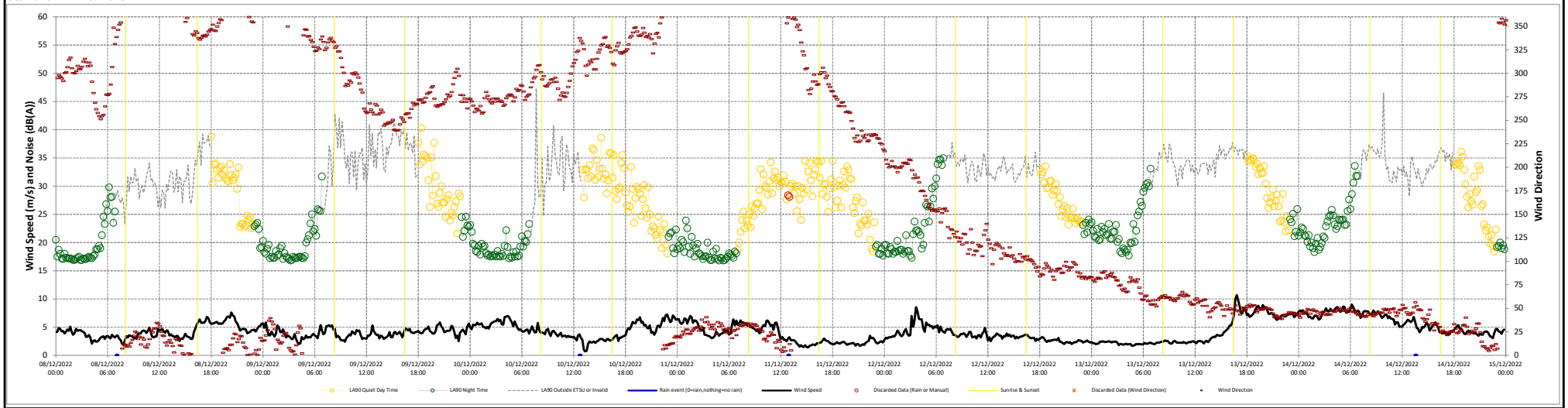


Project	Cooloo Wind Farm
Client	Neoen
Title	Time Series for NML6 Page 4 of 7
Date	10/07/2025

01/12/2022 to 08/12/2022

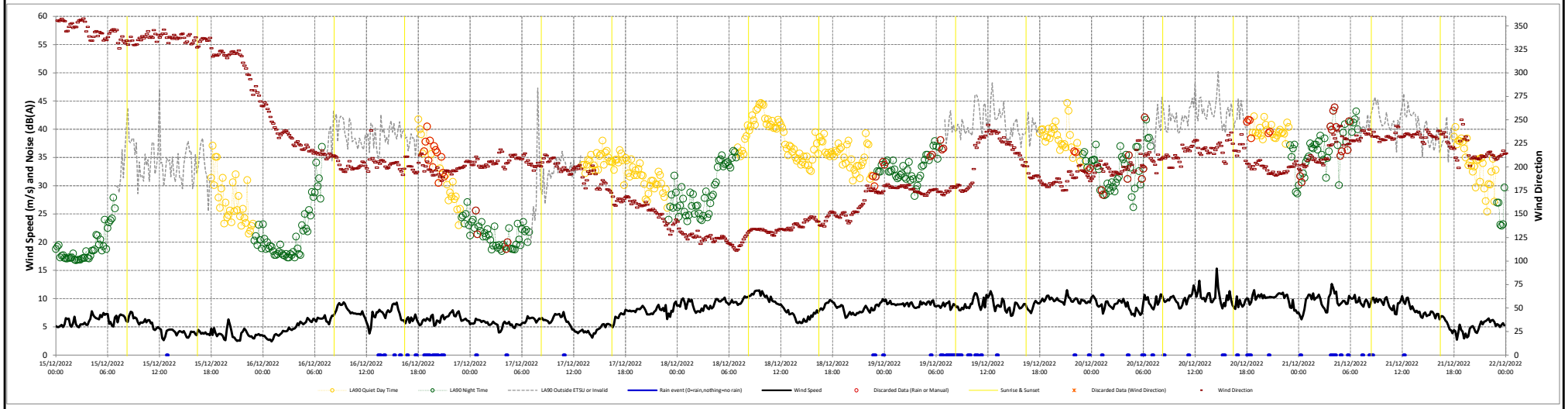


08/12/2022 to 15/12/2022

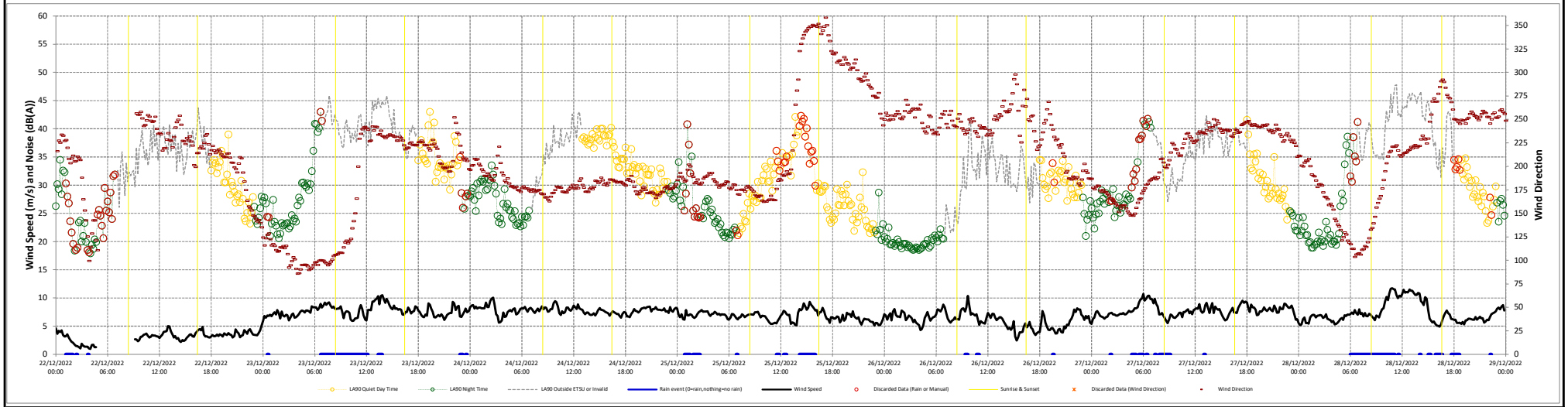


Project	Cooloo Wind Farm
Client	Neoen
Title	Time Series for NML6 Page 5 of 7
Date	10/07/2025

15/12/2022 to 22/12/2022

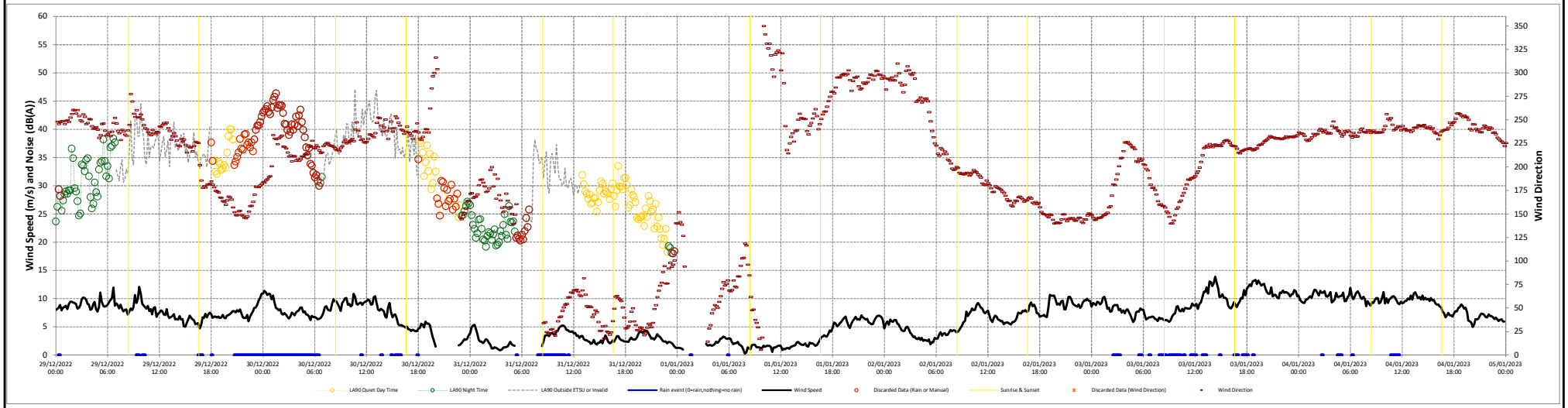


22/12/2022 to 29/12/2022

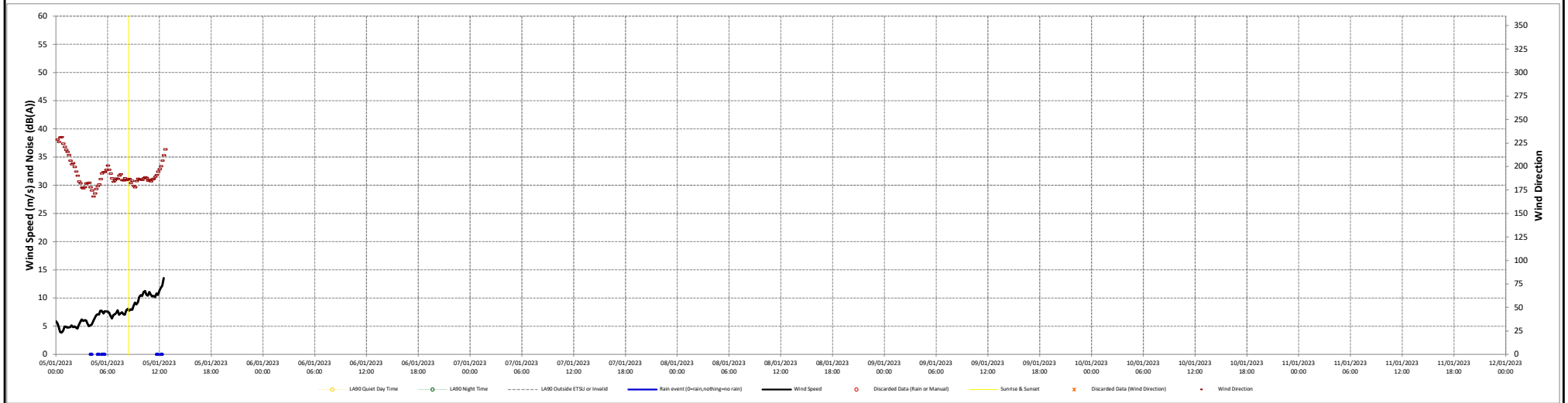


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29/12/2022 to 05/01/2023

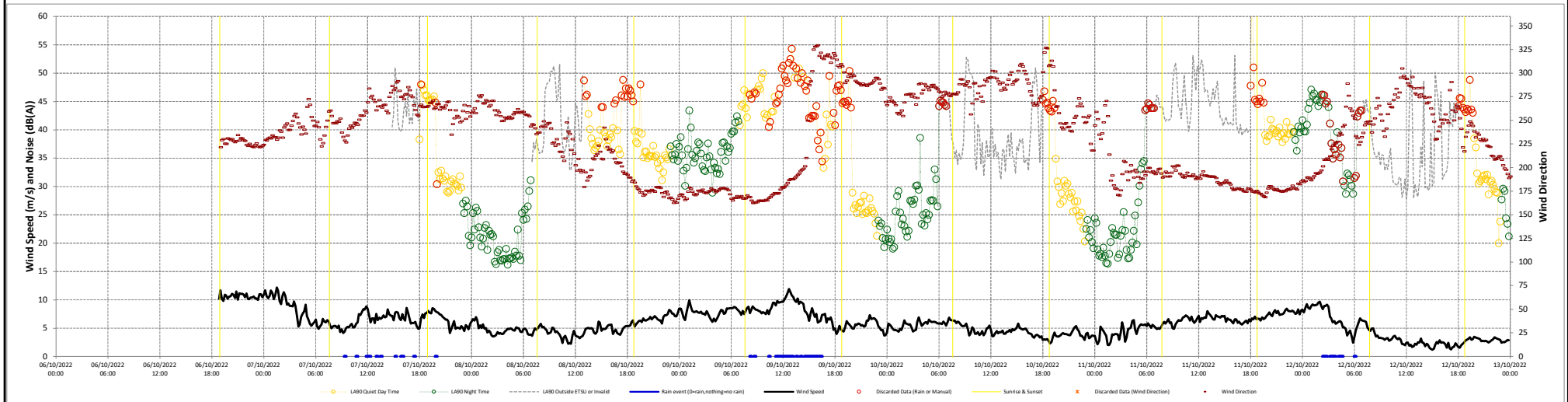


05/01/2023 to 12/01/2023

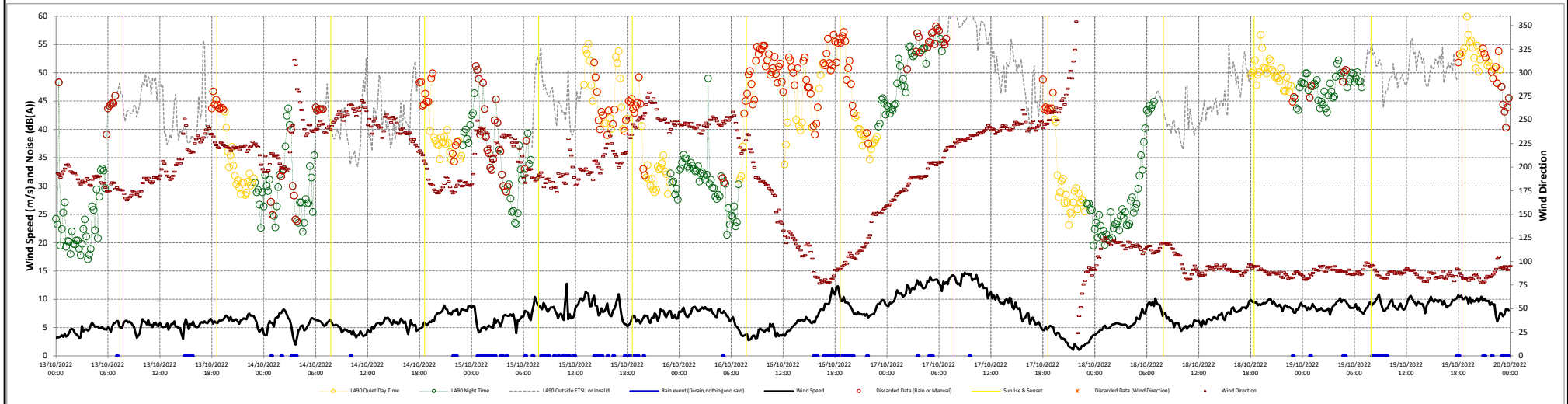


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06/10/2022 to 13/10/2022

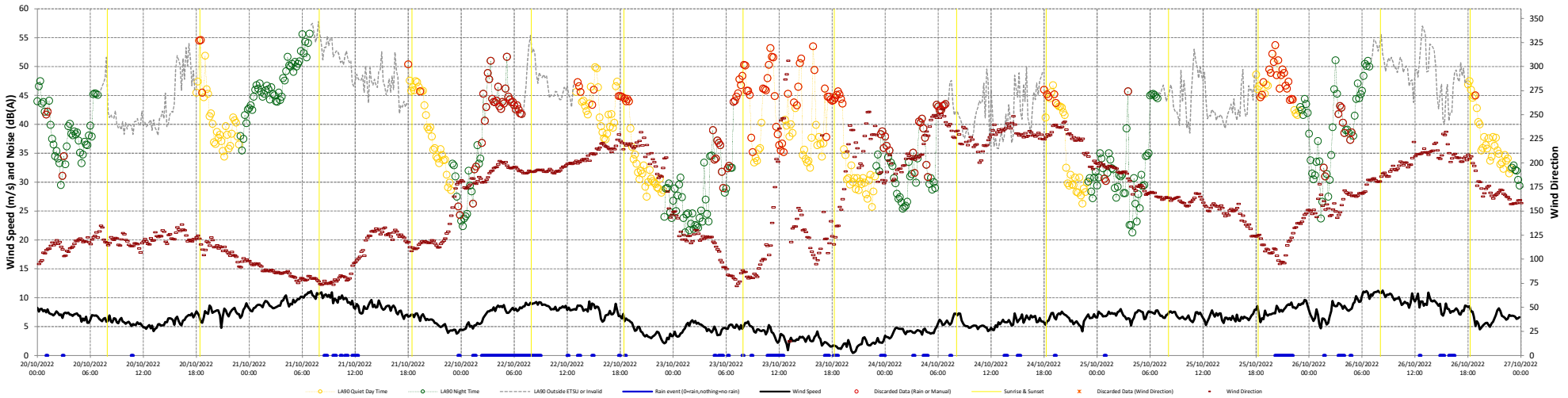


13/10/2022 to 20/10/2022

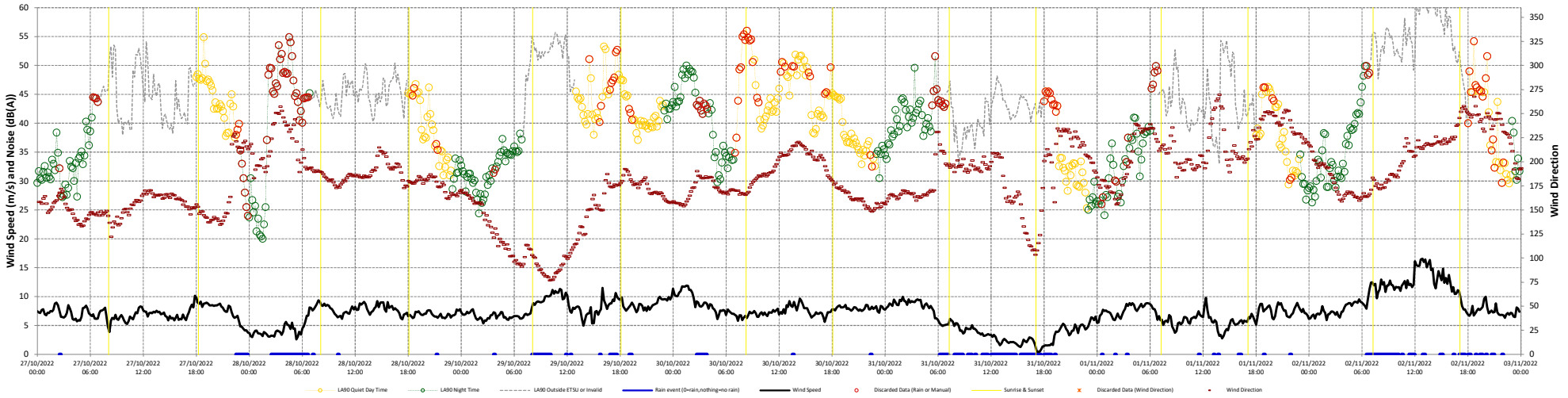


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20/10/2022 to 27/10/2022

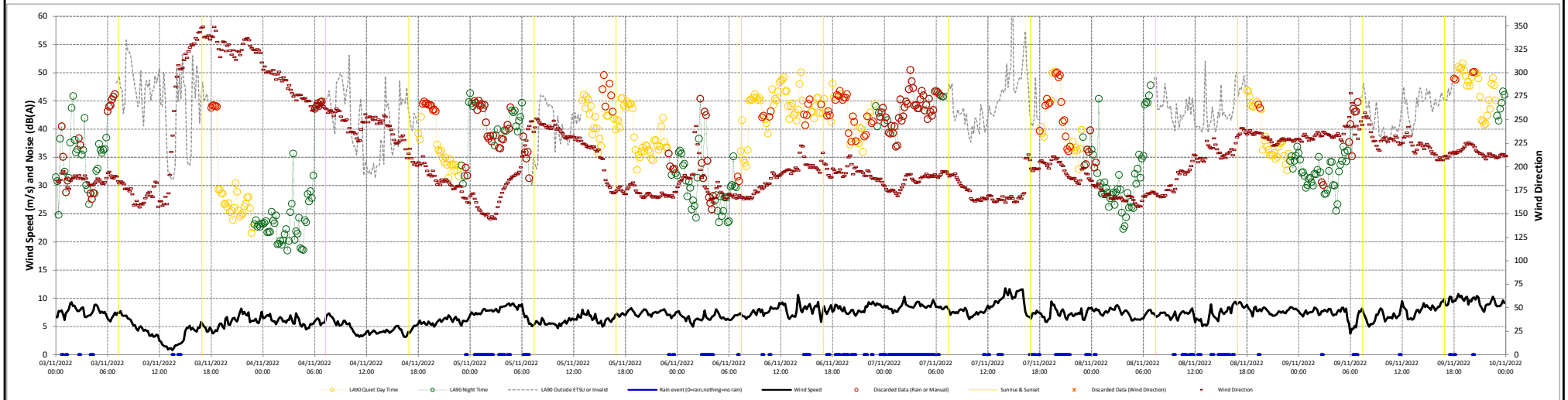


27/10/2022 to 03/11/2022

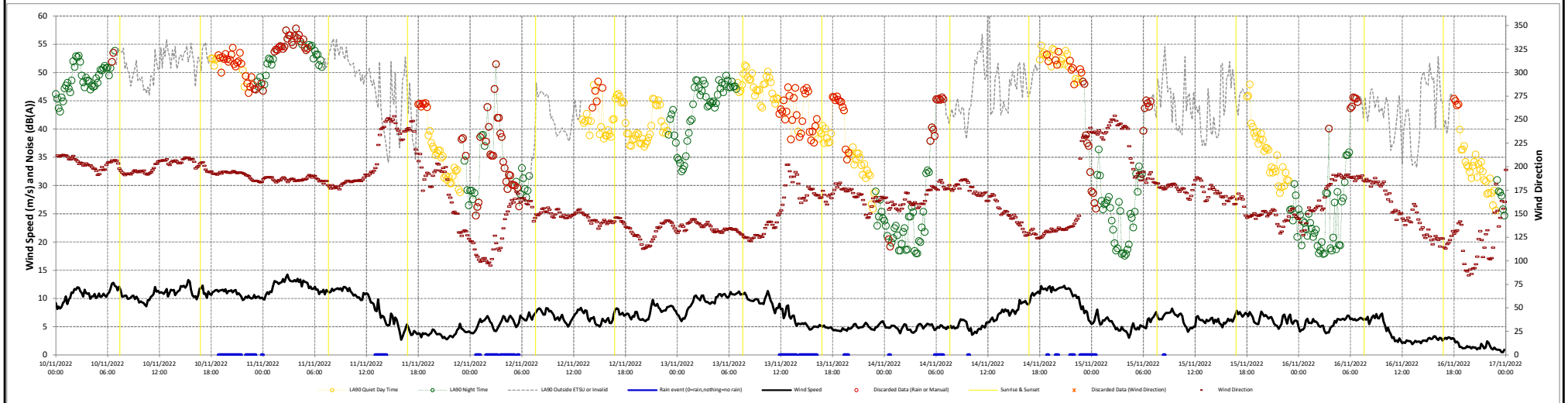


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03/11/2022 to 10/11/2022

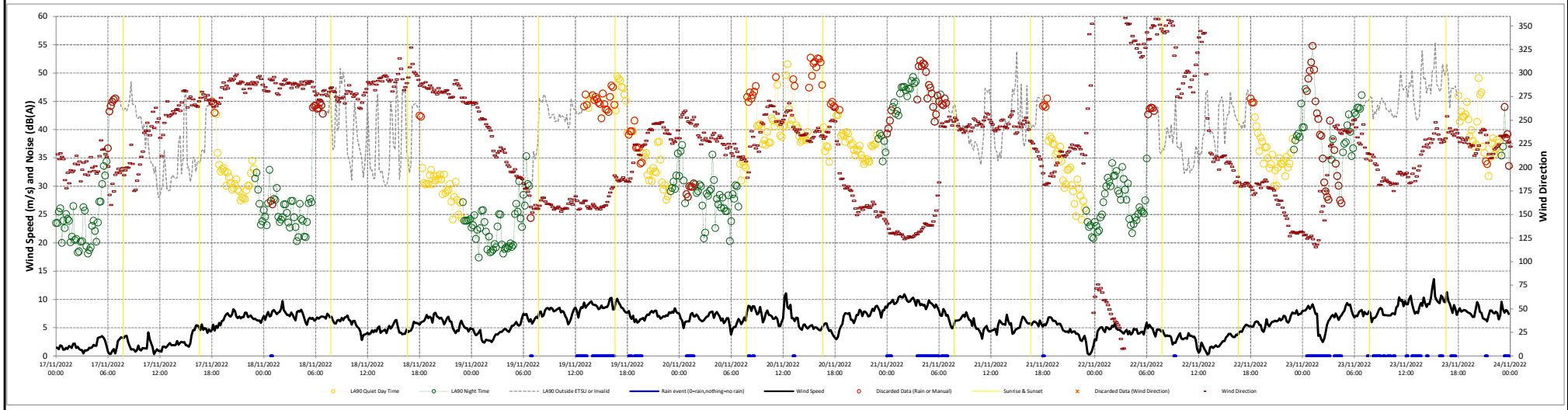


10/11/2022 to 17/11/2022

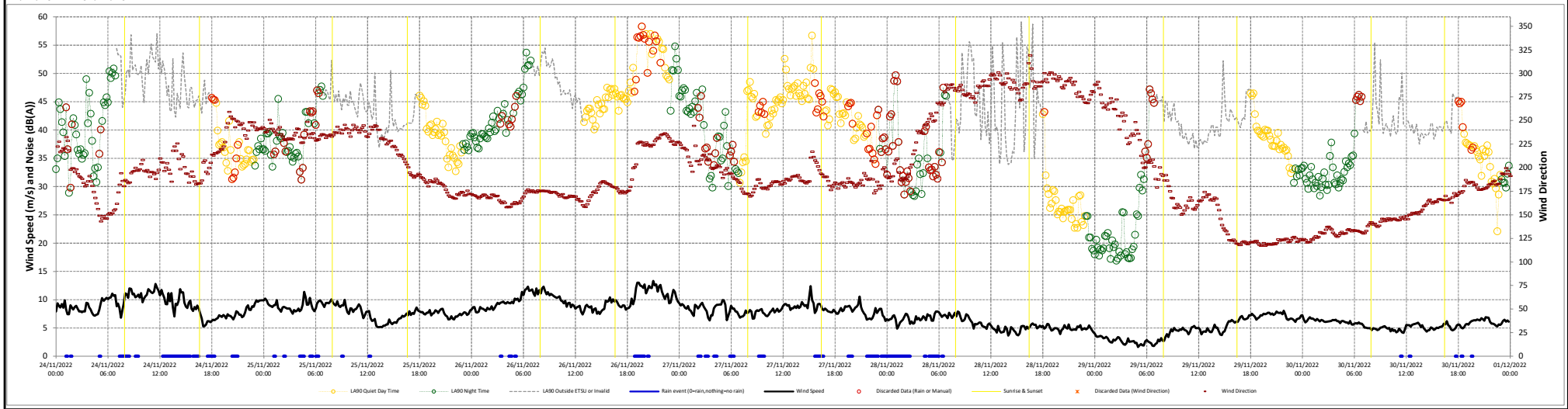


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17/11/2022 to 24/11/2022

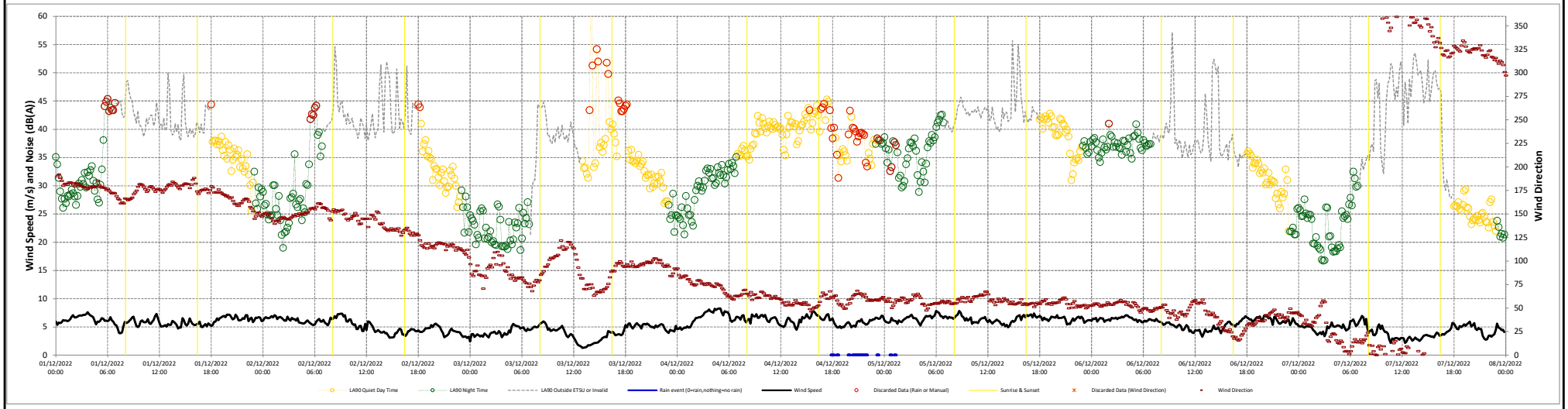


24/11/2022 to 01/12/2022

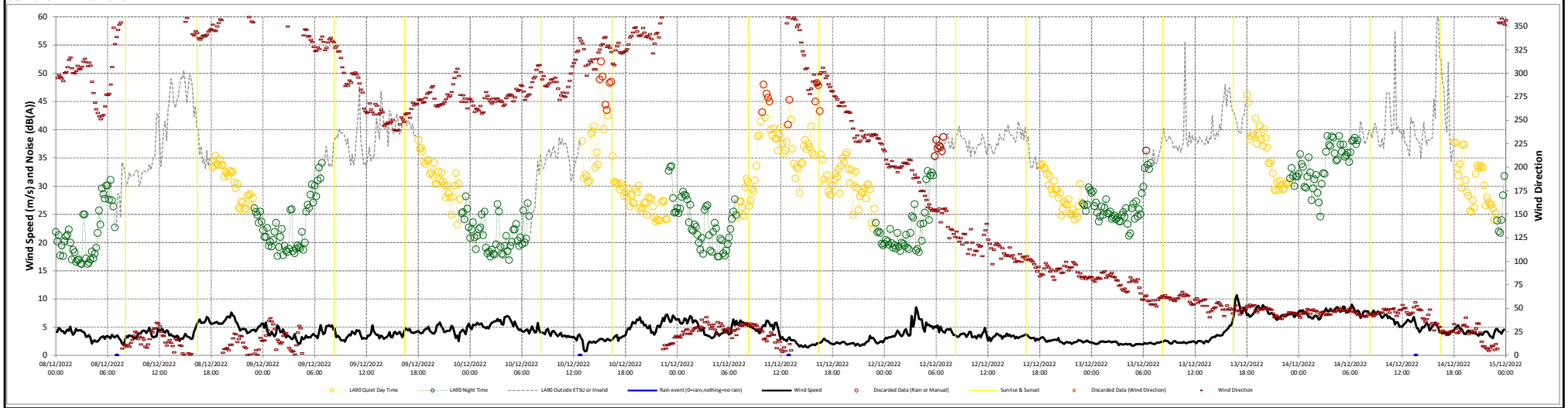


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01/12/2022 to 08/12/2022

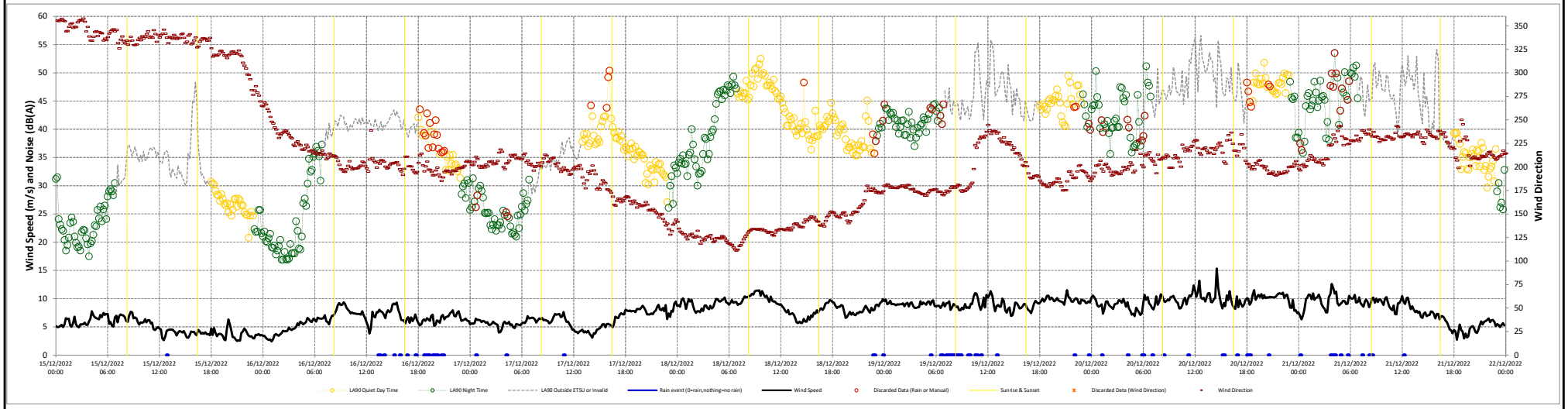


08/12/2022 to 15/12/2022

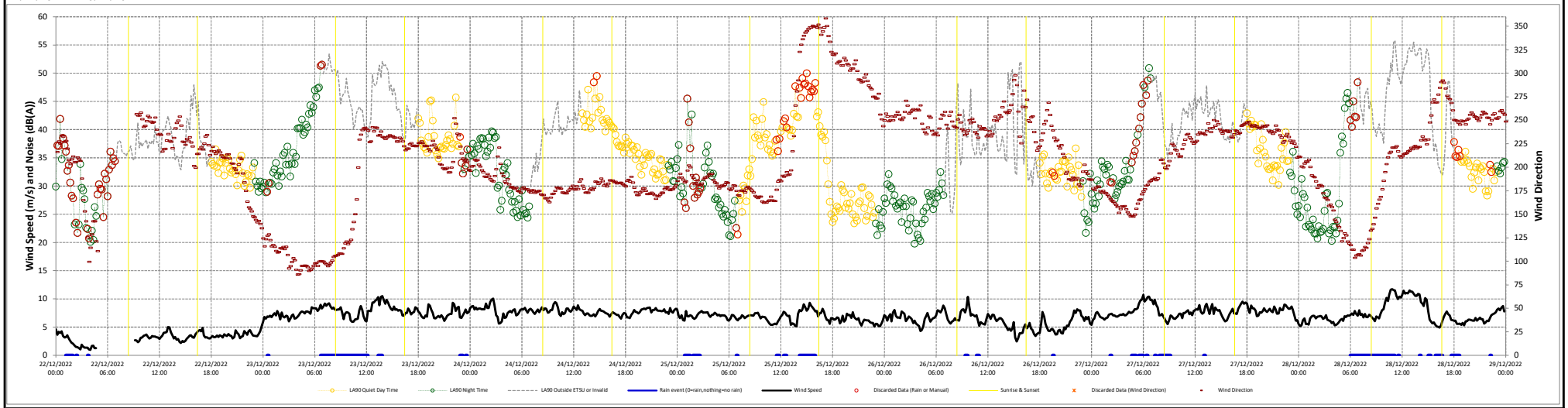


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15/12/2022 to 22/12/2022



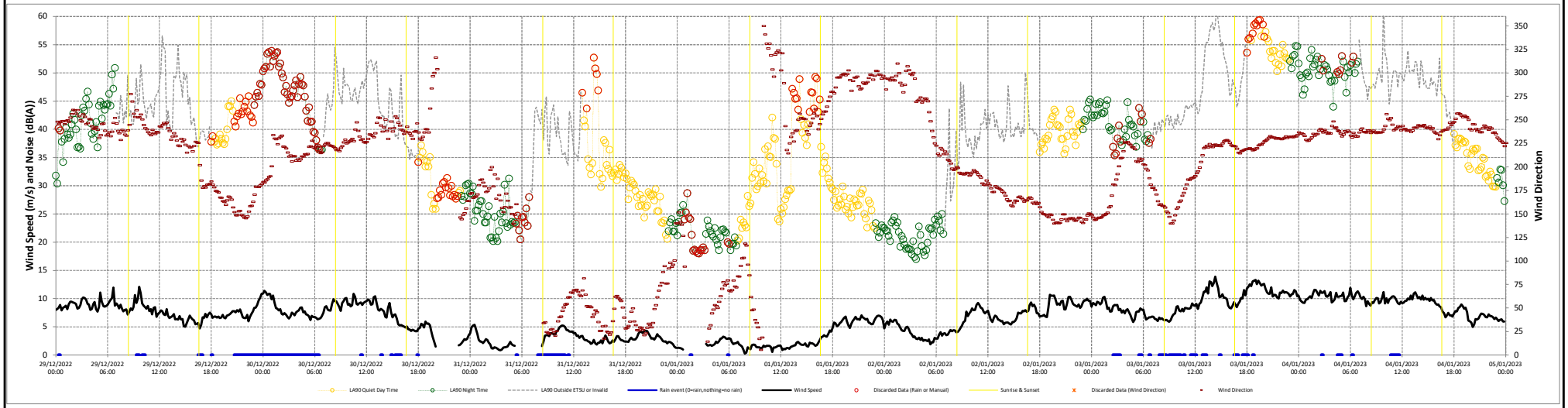
22/12/2022 to 29/12/2022



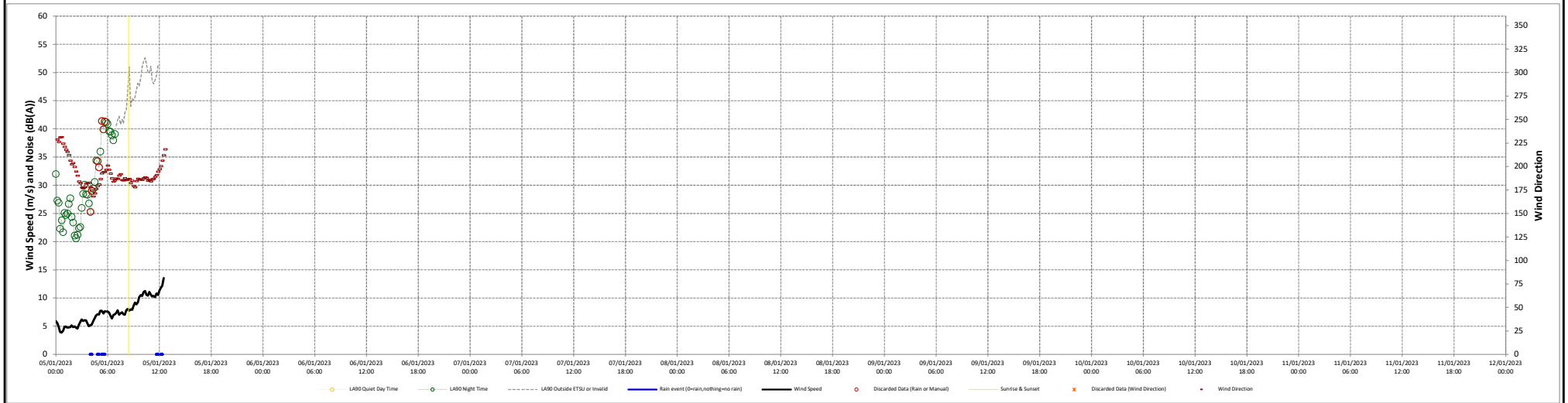
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29/12/2022 to 05/01/2023



05/01/2023 to 12/01/2023



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Annex 5 – NSR Coordinates and Prediction Modelling Results

Table A5.1: Noise Sensitive Receptors

Noise Sensitive Receptor (NSR)	Easting (m)	Northing (m)	Elevation (m AOD)	Background Noise Data Used	Is this NSR also an NAL?
NSR1	557118	748640	75	NML1	Yes - NAL4
NSR2	557082	750528	71	NML2	No
NSR3	554940	749857	76	NML4	Yes - NAL10
NSR4	554571	747565	78	NML6	Yes - NAL8
NSR5	554829	748694	76	NML5	Yes - NAL9
NSR6	557538	749999	71	NML2	Yes - NAL3
NSR7	556884	750597	71	NML2	No
NSR8	557132	748609	76	NML1	No
NSR9	556611	750583	74	NML2	No
NSR10	556020	747382	78	NML7	Yes - NAL6
NSR11	554786	748627	76	NML5	No
NSR12	556943	750627	69	NML2	No
NSR13	556701	750634	75	NML2	No
NSR14	556763	750641	76	NML2	No
NSR15	556385	747820	80	NML7	Yes - NAL5
NSR16	556368	750618	72	NML2	Yes - NAL2
NSR17	555149	751226	68	NML3	Yes - NAL1
NSR18	554838	749907	75	NML4	No
NSR19	556934	750684	70	NML2	No
NSR20	557108	748515	76	NML1	No
NSR21	554819	749877	74	NML4	No
NSR22	556483	747792	80	NML7	No
NSR23	554717	748407	76	NML5	No
NSR24	555050	751217	69	NML3	No
NSR25	555270	751347	66	NML3	No
NSR26	557827	749006	85	NML1	No
NSR27	557731	749892	78	NML2	No
NSR28	557306	748474	76	NML1	No
NSR29	556322	751064	66	NML2	No
NSR30	554626	748663	76	NML5	No
NSR31	554906	746753	86	NML6	Yes - NAL7
NSR32	554990	746711	84	NML6	No
NSR33	554626	748450	77	NML5	No
NSR34	556905	750813	68	NML2	No
NSR35	556544	747703	81	NML7	No
NSR36	554594	748665	76	NML5	No
NSR37	557234	748410	77	NML1	No
NSR38	554608	748447	77	NML5	No
NSR39	555172	751399	68	NML3	No
NSR40	557331	748431	76	NML1	No
NSR41	554880	746721	86	NML6	No
NSR42	556396	751065	65	NML2	No
NSR43	556511	747605	82	NML7	No
NSR44	554847	746711	86	NML6	No
NSR45	555225	751472	64	NML3	No
NSR46	555163	751449	67	NML3	No
NSR47	557152	748275	78	NML1	No
NSR48	556729	750888	67	NML2	No
NSR49	554540	748329	74	NML5	No
NSR50	554522	748671	75	NML5	No
NSR51	556103	746936	71	NML7	No

Table A5.1: Noise Sensitive Receptors

Noise Sensitive Receptor (NSR)	Easting (m)	Northing (m)	Elevation (m AOD)	Background Noise Data Used	Is this NSR also an NAL?
NSR52	555044	751422	66	NML3	No
NSR53	556599	747630	82	NML7	No
NSR54	554953	751367	66	NML3	No
NSR55	555089	746574	82	NML6	No
NSR56	557933	748868	80	NML1	No
NSR57	555163	751490	65	NML3	No
NSR58	556680	750910	68	NML2	No
NSR59	556527	750977	68	NML2	No
NSR60	554833	751284	67	NML3	No
NSR61	556269	751319	67	NML2	No
NSR62	554818	751279	69	NML3	No
NSR63	556320	751281	67	NML2	No
NSR64	556647	750922	68	NML2	No
NSR65	554481	748624	76	NML5	No
NSR66	554771	751241	74	NML3	No
NSR67	557171	748182	80	NML1	No
NSR68	554736	751211	74	NML3	No
NSR69	554826	746614	86	NML6	No
NSR70	555261	751576	67	NML3	No
NSR71	557312	748286	76	NML1	No
NSR72	555149	746510	80	NML6	No
NSR73	554683	751186	72	NML3	No
NSR74	554737	751270	73	NML3	No
NSR75	556417	747244	73	NML7	No
NSR76	556967	747794	75	NML1	No
NSR77	554429	748634	77	NML5	No
NSR78	556559	747410	76	NML7	No
NSR79	555488	746493	69	NML6	No
NSR80	554706	751258	73	NML3	No
NSR81	554715	746624	88	NML6	No
NSR82	556574	747406	76	NML6	No
NSR83	554854	746551	87	NML6	No
NSR84	557952	750022	75	NML2	No
NSR85	555293	751628	67	NML3	No
NSR86	554684	746633	88	NML6	No
NSR87	554904	746512	87	NML6	No
NSR88	555242	751634	66	NML3	No
NSR89	556509	751232	67	NML2	No
NSR90	554634	751242	73	NML3	No
NSR91	557292	748200	75	NML1	No
NSR92	555505	746429	68	NML6	No
NSR93	555247	751670	66	NML3	No
NSR94	556693	747503	76	NML7	No
NSR95	554534	746675	82	NML6	No
NSR96	558027	749965	79	NML2	No
NSR97	554684	746567	88	NML6	No
NSR98	554605	751250	72	NML3	No
NSR99	554270	746961	77	NML6	No
NSR100	554343	748643	77	NML5	No
NSR101	556291	746904	64	NML7	No
NSR102	555319	751709	64	NML3	No

Table A5.1: Noise Sensitive Receptors

Noise Sensitive Receptor (NSR)	Easting (m)	Northing (m)	Elevation (m AOD)	Background Noise Data Used	Is this NSR also an NAL?
NSR103	555254	751698	65	NML3	No
NSR104	554415	749581	78	NML4	No
NSR105	554455	746694	79	NML6	No
NSR106	554437	749372	75	NML4	No
NSR107	556401	747017	64	NML7	No
NSR108	555568	746387	67	NML6	No
NSR109	554570	751290	71	NML3	No
NSR110	554288	748649	78	NML5	No
NSR111	556387	746934	62	NML7	No
NSR112	555559	746355	68	NML6	No
NSR113	554390	749406	74	NML4	No
NSR114	554268	748608	78	NML5	No
NSR115	554355	749558	76	NML4	No
NSR116	556225	751644	75	NML2	No
NSR117	554481	751253	71	NML3	No
NSR118	554298	750869	72	NML3	No
NSR119	554325	749614	78	NML4	No
NSR120	556600	747138	66	NML7	No
NSR121	556480	746996	63	NML7	No
NSR122	556503	747024	63	NML7	No
NSR123	555955	746441	63	NML7	No
NSR124	555905	746401	62	NML7	No
NSR125	556655	747166	66	NML7	No
NSR126	555938	746411	63	NML7	No
NSR127	557582	748117	74	NML1	No
NSR128	556041	746461	64	NML7	No
NSR129	554217	746762	70	NML6	No
NSR130	556607	747079	65	NML7	No
NSR131	556225	751723	77	NML2	No
NSR132	556171	751752	76	NML2	No
NSR133	554442	751310	69	NML3	No
NSR134	554182	748702	78	NML5	No
NSR135	554414	751275	70	NML3	No
NSR136	556641	747106	65	NML7	No
NSR137	555257	751860	66	NML3	No
NSR138	554171	748614	78	NML5	No
NSR139	556753	747227	68	NML7	No
NSR140	557287	747749	71	NML1	No
NSR141	554383	751263	69	NML3	No
NSR142	558297	748839	78	NML1	No
NSR143	554030	748225	75	NML5	No
NSR144	556075	746432	65	NML7	No
NSR145	557880	748249	74	NML1	No
NSR146	558399	749246	82	NML2	No
NSR147	554238	749554	78	NML4	No
NSR148	556154	746484	66	NML7	No
NSR149	554200	750896	74	NML3	No
NSR150	558209	748623	78	NML1	No
NSR151	556807	747263	70	NML7	No
NSR152	558393	749114	81	NML2	No
NSR153	554355	751260	68	NML3	No

Table A5.1: Noise Sensitive Receptors

Noise Sensitive Receptor (NSR)	Easting (m)	Northing (m)	Elevation (m AOD)	Background Noise Data Used	Is this NSR also an NAL?
NSR154	557991	748328	76	NML1	No
NSR155	558422	749300	85	NML2	No
NSR156	557271	747671	70	NML1	No
NSR157	557735	748119	73	NML1	No
NSR158	555213	751904	66	NML3	No
NSR159	557293	747687	70	NML1	No
NSR160	554157	746726	70	NML6	No
NSR161	558344	748850	77	NML1	No
NSR162	556235	746512	65	NML7	No
NSR163	554324	751249	66	NML3	No
NSR164	557321	747712	69	NML1	No
NSR165	556003	746341	63	NML7	No
NSR166	554206	749481	78	NML4	No
NSR167	554105	748608	77	NML5	No
NSR168	556632	751519	75	NML2	No
NSR169	557981	748268	75	NML1	No
NSR170	557962	748250	75	NML1	No
NSR171	556115	746392	65	NML7	No
NSR172	558181	748490	78	NML1	No
NSR173	557444	747860	72	NML1	No
NSR174	554166	750956	72	NML3	No
NSR175	557427	747827	71	NML1	No
NSR176	554187	749504	80	NML4	No
NSR177	558204	748515	78	NML1	No
NSR178	558010	748281	75	NML1	No
NSR179	558030	748299	75	NML1	No
NSR180	557449	747849	71	NML1	No
NSR181	557970	748239	75	NML1	No
NSR182	556311	746531	67	NML7	No
NSR183	558103	748371	73	NML1	No
NSR184	558122	748388	73	NML1	No
NSR185	554304	751293	69	NML3	No
NSR186	558472	749448	85	NML2	No
NSR187	558309	750036	77	NML2	No
NSR188	558481	749294	84	NML2	No
NSR189	558092	748331	74	NML1	No
NSR190	556700	751497	75	NML2	No
NSR191	558169	748421	74	NML1	No
NSR192	557503	747900	71	NML1	No
NSR193	558488	749275	84	NML2	No
NSR194	558192	748444	75	NML1	No
NSR195	556035	746289	64	NML7	No
NSR196	557530	747926	72	NML1	No
NSR197	556094	746312	65	NML7	No
NSR198	557773	748038	74	NML1	No
NSR199	554123	749510	78	NML4	No
NSR200	557745	748012	74	NML1	No
NSR201	558251	748458	73	NML1	No
NSR202	554011	748659	75	NML5	No
NSR203	555993	746222	65	NML7	No
NSR204	557647	747939	69	NML1	No

Table A5.1: Noise Sensitive Receptors

Noise Sensitive Receptor (NSR)	Easting (m)	Northing (m)	Elevation (m AOD)	Background Noise Data Used	Is this NSR also an NAL?
NSR205	554272	751380	66	NML3	No
NSR206	553906	746898	64	NML6	No
NSR207	555127	752011	64	NML3	No
NSR208	557619	747913	69	NML1	No
NSR209	556425	746519	69	NML7	No
NSR210	553983	748663	75	NML5	No
NSR211	557600	747890	68	NML1	No
NSR212	553989	746717	65	NML6	No
NSR213	554079	749435	75	NML4	No
NSR214	553931	748436	77	NML5	No
NSR215	554744	746117	83	NML6	No
NSR216	553942	746764	64	NML6	No
NSR217	558277	748403	73	NML1	No
NSR218	554039	749486	76	NML4	No
NSR219	556399	746420	73	NML7	No
NSR220	558329	748431	72	NML1	No
NSR221	556499	746516	69	NML7	No
NSR222	558295	748379	73	NML1	No
NSR223	554020	749840	74	NML4	No
NSR224	555124	752088	63	NML3	No
NSR225	554782	746055	80	NML6	No
NSR226	556487	746475	71	NML7	No
NSR227	558611	749664	82	NML2	No
NSR228	557606	747770	71	NML1	No
NSR229	558313	748352	73	NML1	No
NSR230	555339	745949	64	NML6	No
NSR231	554703	746055	80	NML6	No
NSR232	556422	746373	74	NML7	No
NSR233	555429	745941	61	NML6	No
NSR234	555307	745925	63	NML6	No
NSR235	556582	746512	71	NML7	No
NSR236	556637	746578	67	NML7	No
NSR237	553869	748648	78	NML5	No
NSR238	558593	749901	78	NML2	No
NSR239	554741	745998	78	NML6	No
NSR240	555542	745910	66	NML6	No
NSR241	553715	746935	66	NML6	No
NSR242	556453	746337	75	NML7	No
NSR243	555281	745885	62	NML6	No
NSR244	558527	748550	75	NML1	No
NSR245	556620	746488	73	NML7	No
NSR246	558401	748339	75	NML1	No
NSR247	556697	746574	70	NML7	No
NSR248	558727	749508	84	NML2	No
NSR249	553894	749174	78	NML4	No
NSR250	553814	746665	59	NML6	No
NSR251	553594	747165	71	NML6	No
NSR252	554019	746388	64	NML6	No
NSR253	553658	746933	66	NML6	No
NSR254	554869	745891	74	NML6	No
NSR255	558308	748164	72	NML1	No

Table A5.1: Noise Sensitive Receptors

Noise Sensitive Receptor (NSR)	Easting (m)	Northing (m)	Elevation (m AOD)	Background Noise Data Used	Is this NSR also an NAL?
NSR256	553898	749395	72	NML4	No
NSR257	553856	749138	76	NML4	No
NSR258	556845	746730	64	NML7	No
NSR259	556704	746507	75	NML7	No
NSR260	553890	749285	77	NML4	No
NSR261	556795	746623	68	NML7	No
NSR262	553549	747192	70	NML6	No
NSR263	553872	749339	76	NML4	No
NSR264	553849	749235	79	NML4	No
NSR265	553527	747203	70	NML6	No
NSR266	553832	749597	73	NML4	No
NSR267	553723	748538	76	NML5	No
NSR268	554825	745849	74	NML6	No
NSR269	556839	746634	68	NML7	No
NSR270	557364	747204	73	NML1	No
NSR271	558401	748184	73	NML1	No
NSR272	553837	749378	73	NML4	No
NSR273	556873	746645	67	NML7	No
NSR274	553467	747302	70	NML6	No
NSR275	555568	745776	65	NML6	No
NSR276	558188	747932	74	NML1	No
NSR277	555319	745754	58	NML6	No
NSR278	553785	749702	74	NML4	No
NSR279	553568	746918	64	NML6	No
NSR280	553664	748514	76	NML5	No
NSR281	558181	747915	75	NML1	No
NSR282	553467	747205	71	NML6	No
NSR283	553784	749920	73	NML4	No
NSR284	553591	746830	61	NML6	No
NSR285	558424	748127	74	NML1	No
NSR286	554723	745816	74	NML6	No
NSR287	553771	749895	74	NML4	No
NSR288	558590	748354	77	NML1	No
NSR289	553441	747237	70	NML6	No
NSR290	558337	748011	74	NML1	No
NSR291	553972	746246	62	NML6	No
NSR292	553553	746848	61	NML6	No
NSR293	557778	751499	74	NML2	No
NSR294	553735	749835	74	NML4	No
NSR295	557112	746839	68	NML7	No
NSR296	558373	748021	73	NML1	No
NSR297	554693	745790	73	NML6	No
NSR298	553505	746907	65	NML6	No
NSR299	558871	749794	82	NML2	No
NSR300	558596	748264	77	NML1	No
NSR301	553570	748520	78	NML5	No
NSR302	555699	745704	64	NML6	No
NSR303	558436	748041	73	NML1	No
NSR304	555633	745689	63	NML6	No
NSR305	554764	745729	68	NML6	No
NSR306	556120	745835	74	NML7	No

Table A5.1: Noise Sensitive Receptors

Noise Sensitive Receptor (NSR)	Easting (m)	Northing (m)	Elevation (m AOD)	Background Noise Data Used	Is this NSR also an NAL?
NSR307	557060	746711	67	NML7	No
NSR308	556957	746559	70	NML7	No
NSR309	555029	745660	62	NML6	No
NSR310	556788	746321	78	NML7	No
NSR311	555713	745682	65	NML6	No
NSR312	553668	749766	69	NML4	No
NSR313	557183	746820	69	NML7	No
NSR314	557014	746602	71	NML7	No
NSR315	553918	746170	62	NML6	No
NSR316	556802	746298	79	NML7	No
NSR317	555262	745612	58	NML6	No
NSR318	555729	745656	66	NML6	No
NSR319	553308	747342	75	NML6	No
NSR320	557908	751547	73	NML2	No
NSR321	558490	748007	73	NML1	No
NSR322	553285	747475	86	NML6	No
NSR323	553322	747199	72	NML6	No
NSR324	553276	747780	96	NML6	No
NSR325	554505	745744	74	NML6	No
NSR326	555470	745589	64	NML6	No
NSR327	554721	752355	63	NML3	No
NSR328	553614	749881	69	NML4	No
NSR329	553275	747327	77	NML6	No
NSR330	558079	747620	67	NML1	No
NSR331	558504	747978	73	NML1	No
NSR332	556572	752297	74	NML2	No
NSR333	556986	746442	76	NML7	No
NSR334	554839	745597	63	NML6	No
NSR335	553226	747659	94	NML6	No
NSR336	556863	746255	79	NML7	No
NSR337	558523	747954	72	NML1	No
NSR338	554671	752384	62	NML3	No
NSR339	556883	746269	80	NML7	No
NSR340	556848	746228	80	NML7	No
NSR341	554404	745732	74	NML6	No
NSR342	557074	746519	72	NML7	No
NSR343	556907	746283	80	NML7	No
NSR344	555212	745521	56	NML6	No
NSR345	555251	745518	58	NML6	No
NSR346	554910	745550	61	NML6	No
NSR347	553383	748476	78	NML5	No
NSR348	553214	747280	78	NML6	No
NSR349	556989	746348	78	NML7	No
NSR350	556882	746201	80	NML7	No
NSR351	553393	748557	75	NML5	No
NSR352	553173	747347	79	NML6	No
NSR353	557384	746831	67	NML1	No
NSR354	557051	746371	78	NML7	No
NSR355	553359	748560	74	NML5	No
NSR356	553482	749958	66	NML4	No
NSR357	557082	746385	78	NML7	No

Table A5.1: Noise Sensitive Receptors

Noise Sensitive Receptor (NSR)	Easting (m)	Northing (m)	Elevation (m AOD)	Background Noise Data Used	Is this NSR also an NAL?
NSR358	555440	745450	65	NML6	No
NSR359	557041	746320	78	NML7	No
NSR360	556739	752344	77	NML2	No
NSR361	556584	745854	70	NML7	No
NSR362	557064	746336	78	NML7	No
NSR363	554828	745482	60	NML6	No
NSR364	556872	746102	80	NML7	No
NSR365	556624	745878	71	NML7	No
NSR366	556666	745910	76	NML7	No
NSR367	559034	750130	74	NML2	No
NSR368	556709	745928	78	NML7	No
NSR369	554400	745603	71	NML6	No
NSR370	556786	745984	79	NML7	No
NSR371	557112	746351	78	NML7	No
NSR372	556882	746070	80	NML7	No
NSR373	556813	745998	79	NML7	No
NSR374	555186	752693	67	NML3	No
NSR375	556842	746015	79	NML7	No
NSR376	556234	745596	72	NML7	No
NSR377	556359	745656	69	NML7	No
NSR378	556324	745637	69	NML7	No
NSR379	556410	745681	69	NML7	No
NSR380	553087	747307	79	NML6	No
NSR381	556668	745844	71	NML7	No
NSR382	559109	750079	78	NML2	No
NSR383	556759	752413	76	NML2	No
NSR384	556900	746036	79	NML7	No
NSR385	556011	745479	70	NML7	No
NSR386	555980	745464	70	NML7	No
NSR387	556769	745894	78	NML7	No
NSR388	553227	748535	75	NML5	No
NSR389	557208	746395	76	NML7	No
NSR390	555060	745349	54	NML6	No
NSR391	556290	745551	70	NML7	No
NSR392	556317	745563	70	NML7	No
NSR393	556263	745535	71	NML7	No
NSR394	556215	745512	73	NML7	No
NSR395	556195	745503	72	NML7	No
NSR396	554604	745426	57	NML6	No
NSR397	556822	752430	77	NML2	No
NSR398	554666	745405	57	NML6	No
NSR399	553002	747458	95	NML6	No
NSR400	553164	748478	76	NML5	No
NSR401	553145	748451	76	NML5	No
NSR402	554452	752530	63	NML3	No
NSR403	553176	748532	75	NML5	No
NSR404	556967	752355	80	NML2	No
NSR405	556856	752445	77	NML2	No
NSR406	553129	748467	75	NML5	No
NSR407	554563	745382	55	NML6	No
NSR408	553126	748516	74	NML5	No

Table A5.1: Noise Sensitive Receptors

Noise Sensitive Receptor (NSR)	Easting (m)	Northing (m)	Elevation (m AOD)	Background Noise Data Used	Is this NSR also an NAL?
NSR409	556892	752453	77	NML2	No
NSR410	553907	745714	72	NML6	No
NSR411	559297	748900	81	NML2	No
NSR412	554350	752525	62	NML3	No
NSR413	554636	745349	57	NML6	No
NSR414	559165	750255	71	NML2	No
NSR415	558717	747743	74	NML1	No
NSR416	554612	745342	56	NML6	No
NSR417	554482	752631	61	NML3	No
NSR418	555675	752891	68	NML3	No
NSR419	554306	752539	65	NML3	No
NSR420	553175	748760	74	NML5	No
NSR421	553876	745680	70	NML6	No
NSR422	556941	752481	77	NML2	No
NSR423	554185	745480	65	NML6	No
NSR424	553141	748681	75	NML5	No
NSR425	555415	752920	66	NML3	No
NSR426	559390	749052	85	NML2	No
NSR427	555481	745192	67	NML6	No
NSR428	558707	747631	73	NML1	No
NSR429	554514	745311	54	NML6	No
NSR430	559260	750210	75	NML2	No
NSR431	553014	748460	76	NML5	No
NSR432	554453	752674	61	NML3	No
NSR433	554956	745186	55	NML6	No
NSR434	558719	747602	73	NML1	No
NSR435	558246	747223	72	NML1	No
NSR436	552971	748450	75	NML5	No
NSR437	558055	746985	70	NML1	No
NSR438	552907	748334	74	NML5	No
NSR439	555540	745127	68	NML6	No

Table A5.2 Total WEDG Noise Limits Compliance Table at NSRs – Daytime

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
1 - NSR17 (NAL1)	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Cumulative Wind Turbine Noise L_{A90} dB	-	-	31.6	35.1	36.9	37.2	37.2	37.2	37.2	37.2
	Exceedance Level	-	-	-8.4	-4.9	-3.1	-7.8	-7.8	-7.8	-11.9	-17.1
2 - NSR3 (NAL10)	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.3	50.5	54.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	34.9	38.3	40.2	40.4	40.4	40.4	40.4	40.4
	Exceedance Level	-	-	-10.1	-6.7	-4.8	-4.6	-4.6	-6.9	-10.1	-14.0
3 - NSR16 (NAL2)	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	34.7	38.1	39.9	40.2	40.2	40.2	40.2	40.2
	Exceedance Level	-	-	-5.3	-1.9	-5.1	-4.8	-4.8	-5.0	-9.0	-13.2
4 - NSR6 (NAL3)	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	34.4	37.8	39.7	40.0	40.0	40.0	40.0	40.0
	Exceedance Level	-	-	-5.6	-2.2	-5.3	-5.0	-5.0	-5.2	-9.2	-13.4
5 - NSR1 (NAL4)	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	35.4	38.8	40.7	41.0	41.0	41.0	41.0	41.0
	Exceedance Level	-	-	-9.6	-6.2	-4.3	-4.0	-4.0	-4.6	-8.3	-12.5
6 - NSR15 (NAL5)	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	35.5	38.9	40.8	41.1	41.1	41.1	41.1	41.1
	Exceedance Level	-	-	-9.5	-6.1	-4.2	-3.9	-7.3	-11.3	-15.9	-21.1
7 - NSR10 (NAL6)	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	35.1	38.6	40.4	40.7	40.7	40.7	40.7	40.7
	Exceedance Level	-	-	-9.9	-6.4	-4.6	-4.3	-7.7	-11.7	-16.3	-21.5
8 - NSR31 (NAL7)	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.9	34.3	36.2	36.5	36.5	36.5	36.5	36.5
	Exceedance Level	-	-	-14.1	-10.7	-8.8	-8.5	-8.5	-8.5	-11.2	-15.6
9 - NSR4 (NAL8)	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	33.6	37.0	38.9	39.1	39.1	39.1	39.1	39.1
	Exceedance Level	-	-	-11.4	-8.0	-6.1	-5.9	-5.9	-5.9	-8.6	-13.0
10 - NSR5 (NAL9)	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Cumulative Wind Turbine Noise LA90 dB	-	-	35.1	38.5	40.4	40.7	40.7	40.7	40.7	40.7
	Exceedance Level	-	-	-4.9	-1.5	-4.6	-4.3	-4.3	-4.3	-8.2	-13.9
11 - NSR2	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	33.9	37.3	39.1	39.4	39.4	39.4	39.4	39.4
	Exceedance Level	-	-	-6.1	-2.7	-5.9	-5.6	-5.6	-5.8	-9.8	-14.0
12 - NSR7	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	33.9	37.3	39.2	39.5	39.5	39.5	39.5	39.5
	Exceedance Level	-	-	-6.1	-2.7	-5.8	-5.5	-5.5	-5.7	-9.7	-13.9
13 - NSR9	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	34.4	37.8	39.7	40.0	40.0	40.0	40.0	40.0
	Exceedance Level	-	-	-5.6	-2.2	-5.3	-5.0	-5.0	-5.2	-9.2	-13.4
14 - NSR8	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	35.1	38.5	40.4	40.7	40.7	40.7	40.7	40.7
	Exceedance Level	-	-	-9.9	-6.5	-4.6	-4.3	-4.3	-4.9	-8.6	-12.8
15 - NSR32	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.9	34.3	36.2	36.4	36.4	36.4	36.4	36.4
	Exceedance Level	-	-	-14.1	-10.7	-8.8	-8.6	-8.6	-8.6	-11.3	-15.7
16 - NSR41	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.6	34.0	35.9	36.2	36.2	36.2	36.2	36.2
	Exceedance Level	-	-	-14.4	-11.0	-9.1	-8.8	-8.8	-8.8	-11.5	-15.9
17 - NSR12	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	33.4	36.9	38.7	39.0	39.0	39.0	39.0	39.0
	Exceedance Level	-	-	-6.6	-3.1	-6.3	-6.0	-6.0	-6.2	-10.2	-14.4
18 - NSR14	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	33.7	37.1	39.0	39.3	39.3	39.3	39.3	39.3
	Exceedance Level	-	-	-6.3	-2.9	-6.0	-5.7	-5.7	-5.9	-9.9	-14.1
19 - NSR13	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	33.9	37.3	39.2	39.5	39.5	39.5	39.5	39.5
	Exceedance Level	-	-	-6.1	-2.7	-5.8	-5.5	-5.5	-5.7	-9.7	-13.9
20 - NSR44	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.4	33.8	35.7	36.0	36.0	36.0	36.0	36.0
	Exceedance Level	-	-	-14.6	-11.2	-9.3	-9.0	-9.0	-9.0	-11.7	-16.1
21 - NSR11	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Cumulative Wind Turbine Noise LA90 dB	-	-	34.8	38.3	40.1	40.4	40.4	40.4	40.4	40.4
	Exceedance Level	-	-	-5.2	-1.7	-4.9	-4.6	-4.6	-4.6	-8.5	-14.2
22 - NSR19	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	33.0	36.4	38.3	38.6	38.6	38.6	38.6	38.6
	Exceedance Level	-	-	-7.0	-3.6	-6.7	-6.4	-6.4	-6.6	-10.6	-14.8
23 - NSR18	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.3	50.5	54.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	34.0	37.4	39.2	39.5	39.5	39.5	39.5	39.5
	Exceedance Level	-	-	-11.0	-7.6	-5.8	-5.5	-5.5	-7.8	-11.0	-14.9
24 - NSR20	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	34.7	38.1	40.0	40.3	40.3	40.3	40.3	40.3
	Exceedance Level	-	-	-10.3	-6.9	-5.0	-4.7	-4.7	-5.3	-9.0	-13.2
25 - NSR21	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.3	50.5	54.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	33.8	37.2	39.1	39.4	39.4	39.4	39.4	39.4

Table A5.2 Total WEDG Noise Limits Compliance Table at NSRs – Daytime

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
	Exceedance Level	-	-	-11.2	-7.8	-5.9	-5.6	-5.6	-7.9	-11.1	-15.0
26 - NSR22	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	34.7	38.1	40.0	40.3	40.3	40.3	40.3	40.3
	Exceedance Level	-	-	-10.3	-6.9	-5.0	-4.7	-8.1	-12.1	-16.7	-21.9
27 - NSR69	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.6	33.1	34.9	35.2	35.2	35.2	35.2	35.2
	Exceedance Level	-	-	-15.4	-11.9	-10.1	-9.8	-9.8	-9.8	-12.5	-16.9
28 - NSR81	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.3	32.7	34.6	34.9	34.9	34.9	34.9	34.9
	Exceedance Level	-	-	-15.7	-12.3	-10.4	-10.1	-10.1	-10.1	-12.8	-17.2
29 - NSR99	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.0	32.4	34.3	34.6	34.6	34.6	34.6	34.6
	Exceedance Level	-	-	-16.0	-12.6	-10.7	-10.4	-10.4	-10.4	-13.1	-17.5
30 - NSR86	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.3	32.7	34.6	34.8	34.8	34.8	34.8	34.8
	Exceedance Level	-	-	-15.7	-12.3	-10.4	-10.2	-10.2	-10.2	-12.9	-17.3
31 - NSR55	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.0	33.5	35.3	35.6	35.6	35.6	35.6	35.6
	Exceedance Level	-	-	-15.0	-11.5	-9.7	-9.4	-9.4	-9.4	-12.1	-16.5
32 - NSR27	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	33.0	36.4	38.3	38.6	38.6	38.6	38.6	38.6
	Exceedance Level	-	-	-7.0	-3.6	-6.7	-6.4	-6.4	-6.6	-10.6	-14.8
33 - NSR26	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	32.2	35.6	37.5	37.8	37.8	37.8	37.8	37.8
	Exceedance Level	-	-	-12.8	-9.4	-7.5	-7.2	-7.2	-7.8	-11.5	-15.7
34 - NSR24	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	31.2	34.7	36.5	36.8	36.8	36.8	36.8	36.8
	Exceedance Level	-	-	-8.8	-5.3	-3.5	-8.2	-8.2	-8.2	-12.3	-17.5
35 - NSR95	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.9	32.3	34.2	34.5	34.5	34.5	34.5	34.5
	Exceedance Level	-	-	-16.1	-12.7	-10.8	-10.5	-10.5	-10.5	-13.2	-17.6
36 - NSR28	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	33.4	36.8	38.6	38.9	38.9	38.9	38.9	38.9
	Exceedance Level	-	-	-11.6	-8.2	-6.4	-6.1	-6.1	-6.7	-10.4	-14.6
37 - NSR83	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.3	32.7	34.6	34.9	34.9	34.9	34.9	34.9
	Exceedance Level	-	-	-15.7	-12.3	-10.4	-10.1	-10.1	-10.1	-12.8	-17.2
38 - NSR30	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Cumulative Wind Turbine Noise LA90 dB	-	-	33.5	36.9	38.8	39.1	39.1	39.1	39.1	39.1
	Exceedance Level	-	-	-6.5	-3.1	-6.2	-5.9	-5.9	-5.9	-9.8	-15.5
39 - NSR25	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	31.0	34.4	36.3	36.6	36.6	36.6	36.6	36.6
	Exceedance Level	-	-	-9.0	-5.6	-3.7	-8.4	-8.4	-8.4	-12.5	-17.7
40 - NSR34	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	32.1	35.5	37.4	37.7	37.7	37.7	37.7	37.7
	Exceedance Level	-	-	-7.9	-4.5	-7.6	-7.3	-7.3	-7.5	-11.5	-15.7
41 - NSR105	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.7	32.1	34.0	34.3	34.3	34.3	34.3	34.3
	Exceedance Level	-	-	-16.3	-12.9	-11.0	-10.7	-10.7	-10.7	-13.4	-17.8
42 - NSR33	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Cumulative Wind Turbine Noise LA90 dB	-	-	33.7	37.1	39.0	39.3	39.3	39.3	39.3	39.3
	Exceedance Level	-	-	-6.3	-2.9	-6.0	-5.7	-5.7	-5.7	-9.6	-15.3
43 - NSR97	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.9	32.3	34.2	34.5	34.5	34.5	34.5	34.5
	Exceedance Level	-	-	-16.1	-12.7	-10.8	-10.5	-10.5	-10.5	-13.2	-17.6
44 - NSR87	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.2	32.6	34.5	34.8	34.8	34.8	34.8	34.8
	Exceedance Level	-	-	-15.8	-12.4	-10.5	-10.2	-10.2	-10.2	-12.9	-17.3
45 - NSR35	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	33.8	37.3	39.1	39.4	39.4	39.4	39.4	39.4
	Exceedance Level	-	-	-11.2	-7.7	-5.9	-5.6	-9.0	-13.0	-17.6	-22.8
46 - NSR36	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Cumulative Wind Turbine Noise LA90 dB	-	-	33.3	36.7	38.6	38.8	38.8	38.8	38.8	38.8
	Exceedance Level	-	-	-6.7	-3.3	-6.4	-6.2	-6.2	-6.2	-10.1	-15.8
47 - NSR37	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	33.4	36.8	38.7	39.0	39.0	39.0	39.0	39.0
	Exceedance Level	-	-	-11.6	-8.2	-6.3	-6.0	-6.0	-6.6	-10.3	-14.5
48 - NSR72	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.7	33.1	35.0	35.2	35.2	35.2	35.2	35.2
	Exceedance Level	-	-	-15.3	-11.9	-10.0	-9.8	-9.8	-9.8	-12.5	-16.9
49 - NSR38	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Cumulative Wind Turbine Noise LA90 dB	-	-	33.6	37.0	38.9	39.2	39.2	39.2	39.2	39.2
	Exceedance Level	-	-	-6.4	-3.0	-6.1	-5.8	-5.8	-5.8	-9.7	-15.4
	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6

Table A5.2 Total WEDG Noise Limits Compliance Table at NSRs – Daytime

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
50 - NSR49	Cumulative Wind Turbine Noise LA90 dB	-	-	33.2	36.6	38.5	38.8	38.8	38.8	38.8	38.8
	Exceedance Level	-	-	-6.8	-3.4	-6.5	-6.2	-6.2	-6.2	-10.1	-15.8
51 - NSR40	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	33.0	36.4	38.3	38.6	38.6	38.6	38.6	38.6
	Exceedance Level	-	-	-12.0	-8.6	-6.7	-6.4	-6.4	-7.0	-10.7	-14.9
52 - NSR43	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	33.5	36.9	38.8	39.1	39.1	39.1	39.1	39.1
	Exceedance Level	-	-	-11.5	-8.1	-6.2	-5.9	-9.3	-13.3	-17.9	-23.1
53 - NSR29	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	32.1	35.5	37.3	37.6	37.6	37.6	37.6	37.6
	Exceedance Level	-	-	-7.9	-4.5	-7.7	-7.4	-7.4	-7.6	-11.6	-15.8
54 - NSR39	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.4	33.8	35.6	35.9	35.9	35.9	35.9	35.9
	Exceedance Level	-	-	-9.6	-6.2	-4.4	-9.1	-9.1	-9.1	-13.2	-18.4
55 - NSR47	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	33.3	36.7	38.5	38.8	38.8	38.8	38.8	38.8
	Exceedance Level	-	-	-11.7	-8.3	-6.5	-6.2	-6.2	-6.8	-10.5	-14.7
56 - NSR50	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Cumulative Wind Turbine Noise LA90 dB	-	-	32.7	36.2	38.0	38.3	38.3	38.3	38.3	38.3
	Exceedance Level	-	-	-7.3	-3.8	-7.0	-6.7	-6.7	-6.7	-10.6	-16.3
57 - NSR58	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	32.0	35.4	37.3	37.6	37.6	37.6	37.6	37.6
	Exceedance Level	-	-	-8.0	-4.6	-7.7	-7.4	-7.4	-7.6	-11.6	-15.8
58 - NSR53	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	33.2	36.6	38.4	38.7	38.7	38.7	38.7	38.7
	Exceedance Level	-	-	-11.8	-8.4	-6.6	-6.3	-9.7	-13.7	-18.3	-23.5
59 - NSR56	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	31.0	34.4	36.3	36.6	36.6	36.6	36.6	36.6
	Exceedance Level	-	-	-14.0	-10.6	-8.7	-8.4	-8.4	-9.0	-12.7	-16.9
60 - NSR64	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	32.0	35.4	37.3	37.6	37.6	37.6	37.6	37.6
	Exceedance Level	-	-	-8.0	-4.6	-7.7	-7.4	-7.4	-7.6	-11.6	-15.8
61 - NSR129	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.0	31.4	33.3	33.5	33.5	33.5	33.5	33.5
	Exceedance Level	-	-	-17.0	-13.6	-11.7	-11.5	-11.5	-11.5	-14.2	-18.6
62 - NSR46	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.0	33.4	35.3	35.5	35.5	35.5	35.5	35.5
	Exceedance Level	-	-	-10.0	-6.6	-4.7	-9.5	-9.5	-9.5	-13.6	-18.8
63 - NSR42	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	31.8	35.2	37.1	37.4	37.4	37.4	37.4	37.4
	Exceedance Level	-	-	-8.2	-4.8	-7.9	-7.6	-7.6	-7.8	-11.8	-16.0
64 - NSR45	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.9	33.4	35.2	35.5	35.5	35.5	35.5	35.5
	Exceedance Level	-	-	-10.1	-6.6	-4.8	-9.5	-9.5	-9.5	-13.6	-18.8
65 - NSR67	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	32.7	36.1	38.0	38.3	38.3	38.3	38.3	38.3
	Exceedance Level	-	-	-12.3	-8.9	-7.0	-6.7	-6.7	-7.3	-11.0	-15.2
66 - NSR79	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.7	33.1	35.0	35.3	35.3	35.3	35.3	35.3
	Exceedance Level	-	-	-15.3	-11.9	-10.0	-9.7	-9.7	-9.7	-12.4	-16.8
67 - NSR54	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.8	33.2	35.1	35.4	35.4	35.4	35.4	35.4
	Exceedance Level	-	-	-10.2	-6.8	-4.9	-9.6	-9.6	-9.6	-13.7	-18.9
68 - NSR60	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.8	33.2	35.1	35.4	35.4	35.4	35.4	35.4
	Exceedance Level	-	-	-10.2	-6.8	-4.9	-9.6	-9.6	-9.6	-13.7	-18.9
69 - NSR52	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.8	33.2	35.1	35.4	35.4	35.4	35.4	35.4
	Exceedance Level	-	-	-10.2	-6.8	-4.9	-9.6	-9.6	-9.6	-13.7	-18.9
70 - NSR62	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.8	33.2	35.0	35.3	35.3	35.3	35.3	35.3
	Exceedance Level	-	-	-10.2	-6.8	-5.0	-9.7	-9.7	-9.7	-13.8	-19.0
71 - NSR66	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.7	33.2	35.0	35.3	35.3	35.3	35.3	35.3
	Exceedance Level	-	-	-10.3	-6.8	-5.0	-9.7	-9.7	-9.7	-13.8	-19.0
72 - NSR68	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.7	33.1	35.0	35.3	35.3	35.3	35.3	35.3
	Exceedance Level	-	-	-10.3	-6.9	-5.0	-9.7	-9.7	-9.7	-13.8	-19.0
73 - NSR71	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	32.4	35.9	37.7	38.0	38.0	38.0	38.0	38.0
	Exceedance Level	-	-	-12.6	-9.1	-7.3	-7.0	-7.0	-7.6	-11.3	-15.5
74 - NSR57	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.7	33.1	35.0	35.3	35.3	35.3	35.3	35.3
	Exceedance Level	-	-	-10.3	-6.9	-5.0	-9.7	-9.7	-9.7	-13.8	-19.0

Table A5.2 Total WEDG Noise Limits Compliance Table at NSRs – Daytime

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
75 - NSR73	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.6	33.0	34.9	35.1	35.1	35.1	35.1	35.1
	Exceedance Level	-	-	-10.4	-7.0	-5.1	-9.9	-9.9	-9.9	-14.0	-19.2
76 - NSR75	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	32.0	35.4	37.3	37.6	37.6	37.6	37.6	37.6
	Exceedance Level	-	-	-13.0	-9.6	-7.7	-7.4	-10.8	-14.8	-19.4	-24.6
77 - NSR160	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.6	31.0	32.9	33.1	33.1	33.1	33.1	33.1
	Exceedance Level	-	-	-17.4	-14.0	-12.1	-11.9	-11.9	-11.9	-14.6	-19.0
78 - NSR77	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Cumulative Wind Turbine Noise LA90 dB	-	-	32.1	35.6	37.4	37.7	37.7	37.7	37.7	37.7
	Exceedance Level	-	-	-7.9	-4.4	-7.6	-7.3	-7.3	-7.3	-11.2	-16.9
79 - NSR78	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	32.2	35.6	37.5	37.8	37.8	37.8	37.8	37.8
	Exceedance Level	-	-	-12.8	-9.4	-7.5	-7.2	-10.6	-14.6	-19.2	-24.4
80 - NSR84	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.9	34.3	36.2	36.5	36.5	36.5	36.5	36.5
	Exceedance Level	-	-	-9.1	-5.7	-8.8	-8.5	-8.5	-8.7	-12.7	-16.9
81 - NSR59	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	31.9	35.3	37.2	37.5	37.5	37.5	37.5	37.5
	Exceedance Level	-	-	-8.1	-4.7	-7.8	-7.5	-7.5	-7.7	-11.7	-15.9
82 - NSR74	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.4	32.8	34.7	35.0	35.0	35.0	35.0	35.0
	Exceedance Level	-	-	-10.6	-7.2	-5.3	-10.0	-10.0	-10.0	-14.1	-19.3
83 - NSR61	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.6	34.0	35.9	36.2	36.2	36.2	36.2	36.2
	Exceedance Level	-	-	-9.4	-6.0	-9.1	-8.8	-8.8	-9.0	-13.0	-17.2
84 - NSR92	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.3	32.7	34.6	34.8	34.8	34.8	34.8	34.8
	Exceedance Level	-	-	-15.7	-12.3	-10.4	-10.2	-10.2	-10.2	-12.9	-17.3
85 - NSR80	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.4	32.8	34.6	34.9	34.9	34.9	34.9	34.9
	Exceedance Level	-	-	-10.6	-7.2	-5.4	-10.1	-10.1	-10.1	-14.2	-19.4
86 - NSR63	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.7	34.1	36.0	36.3	36.3	36.3	36.3	36.3
	Exceedance Level	-	-	-9.3	-5.9	-9.0	-8.7	-8.7	-8.9	-12.9	-17.1
87 - NSR76	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	32.1	35.5	37.4	37.6	37.6	37.6	37.6	37.6
	Exceedance Level	-	-	-12.9	-9.5	-7.6	-7.4	-7.4	-8.0	-11.7	-15.9
88 - NSR70	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.3	32.7	34.6	34.8	34.8	34.8	34.8	34.8
	Exceedance Level	-	-	-10.7	-7.3	-5.4	-10.2	-10.2	-10.2	-14.3	-19.5
89 - NSR91	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	32.2	35.6	37.5	37.7	37.7	37.7	37.7	37.7
	Exceedance Level	-	-	-12.8	-9.4	-7.5	-7.3	-7.3	-7.9	-11.6	-15.8
90 - NSR90	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.1	32.5	34.4	34.7	34.7	34.7	34.7	34.7
	Exceedance Level	-	-	-10.9	-7.5	-5.6	-10.3	-10.3	-10.3	-14.4	-19.6
91 - NSR51	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	31.5	35.0	36.8	37.1	37.1	37.1	37.1	37.1
	Exceedance Level	-	-	-13.5	-10.0	-8.2	-7.9	-11.3	-15.3	-19.9	-25.1
92 - NSR96	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.5	33.9	35.8	36.1	36.1	36.1	36.1	36.1
	Exceedance Level	-	-	-9.5	-6.1	-9.2	-8.9	-8.9	-9.1	-13.1	-17.3
93 - NSR94	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	32.0	35.5	37.3	37.6	37.6	37.6	37.6	37.6
	Exceedance Level	-	-	-13.0	-9.5	-7.7	-7.4	-10.8	-14.8	-19.4	-24.6
94 - NSR85	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.0	32.4	34.3	34.6	34.6	34.6	34.6	34.6
	Exceedance Level	-	-	-11.0	-7.6	-5.7	-10.4	-10.4	-10.4	-14.5	-19.7
95 - NSR108	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.0	32.4	34.3	34.5	34.5	34.5	34.5	34.5
	Exceedance Level	-	-	-16.0	-12.6	-10.7	-10.5	-10.5	-10.5	-13.2	-17.6
96 - NSR100	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Cumulative Wind Turbine Noise LA90 dB	-	-	31.6	35.0	36.8	37.1	37.1	37.1	37.1	37.1
	Exceedance Level	-	-	-8.4	-5.0	-8.2	-7.9	-7.9	-7.9	-11.8	-17.5
97 - NSR98	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.9	32.4	34.2	34.5	34.5	34.5	34.5	34.5
	Exceedance Level	-	-	-11.1	-7.6	-5.8	-10.5	-10.5	-10.5	-14.6	-19.8
98 - NSR88	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.9	32.3	34.2	34.4	34.4	34.4	34.4	34.4
	Exceedance Level	-	-	-11.1	-7.7	-5.8	-10.6	-10.6	-10.6	-14.7	-19.9
99 - NSR143	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.9	33.3	35.1	35.4	35.4	35.4	35.4	35.4

Table A5.2 Total WEDG Noise Limits Compliance Table at NSRs – Daytime

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
	Exceedance Level	-	-	-10.1	-6.7	-9.9	-9.6	-9.6	-9.6	-13.5	-19.2
100 - NSR104	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.3	50.5	54.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	31.3	34.7	36.6	36.8	36.8	36.8	36.8	36.8
	Exceedance Level	-	-	-13.7	-10.3	-8.4	-8.2	-8.2	-10.5	-13.7	-17.6
101 - NSR112	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.8	32.2	34.0	34.3	34.3	34.3	34.3	34.3
	Exceedance Level	-	-	-16.2	-12.8	-11.0	-10.7	-10.7	-10.7	-13.4	-17.8
102 - NSR206	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.1	30.5	32.4	32.6	32.6	32.6	32.6	32.6
	Exceedance Level	-	-	-17.9	-14.5	-12.6	-12.4	-12.4	-12.4	-15.1	-19.5
103 - NSR106	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.3	50.5	54.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	31.6	35.0	36.8	37.1	37.1	37.1	37.1	37.1
	Exceedance Level	-	-	-13.4	-10.0	-8.2	-7.9	-7.9	-10.2	-13.4	-17.3
104 - NSR93	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.7	32.1	33.9	34.2	34.2	34.2	34.2	34.2
	Exceedance Level	-	-	-11.3	-7.9	-6.1	-10.8	-10.8	-10.8	-14.9	-20.1
105 - NSR212	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.8	30.3	32.1	32.4	32.4	32.4	32.4	32.4
	Exceedance Level	-	-	-18.2	-14.7	-12.9	-12.6	-12.6	-12.6	-15.3	-19.7
106 - NSR110	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Cumulative Wind Turbine Noise LA90 dB	-	-	31.2	34.7	36.5	36.8	36.8	36.8	36.8	36.8
	Exceedance Level	-	-	-8.8	-5.3	-8.5	-8.2	-8.2	-8.2	-12.1	-17.8
107 - NSR109	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.6	32.0	33.9	34.2	34.2	34.2	34.2	34.2
	Exceedance Level	-	-	-11.4	-8.0	-6.1	-10.8	-10.8	-10.8	-14.9	-20.1
108 - NSR216	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.8	30.2	32.1	32.4	32.4	32.4	32.4	32.4
	Exceedance Level	-	-	-18.2	-14.8	-12.9	-12.6	-12.6	-12.6	-15.3	-19.7
109 - NSR102	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.5	31.9	33.8	34.1	34.1	34.1	34.1	34.1
	Exceedance Level	-	-	-11.5	-8.1	-6.2	-10.9	-10.9	-10.9	-15.0	-20.2
110 - NSR107	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.8	34.3	36.1	36.4	36.4	36.4	36.4	36.4
	Exceedance Level	-	-	-14.2	-10.7	-8.9	-8.6	-12.0	-16.0	-20.6	-25.8
111 - NSR103	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.5	31.9	33.8	34.1	34.1	34.1	34.1	34.1
	Exceedance Level	-	-	-11.5	-8.1	-6.2	-10.9	-10.9	-10.9	-15.0	-20.2
112 - NSR113	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.3	50.5	54.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	31.2	34.7	36.5	36.8	36.8	36.8	36.8	36.8
	Exceedance Level	-	-	-13.8	-10.3	-8.5	-8.2	-8.2	-10.5	-13.7	-17.6
113 - NSR118	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.8	32.2	34.0	34.3	34.3	34.3	34.3	34.3
	Exceedance Level	-	-	-11.2	-7.8	-6.0	-10.7	-10.7	-10.7	-14.8	-20.0
114 - NSR115	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.3	50.5	54.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.9	34.3	36.2	36.5	36.5	36.5	36.5	36.5
	Exceedance Level	-	-	-14.1	-10.7	-8.8	-8.5	-8.5	-10.8	-14.0	-17.9
115 - NSR101	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.6	34.0	35.9	36.2	36.2	36.2	36.2	36.2
	Exceedance Level	-	-	-14.4	-11.0	-9.1	-8.8	-12.2	-16.2	-20.8	-26.0
116 - NSR117	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.4	31.8	33.7	34.0	34.0	34.0	34.0	34.0
	Exceedance Level	-	-	-11.6	-8.2	-6.3	-11.0	-11.0	-11.0	-15.1	-20.3
117 - NSR119	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.3	50.5	54.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.7	34.1	36.0	36.3	36.3	36.3	36.3	36.3
	Exceedance Level	-	-	-14.3	-10.9	-9.0	-8.7	-8.7	-11.0	-14.2	-18.1
118 - NSR120	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.7	34.1	36.0	36.2	36.2	36.2	36.2	36.2
	Exceedance Level	-	-	-14.3	-10.9	-9.0	-8.8	-12.2	-16.2	-20.8	-26.0
119 - NSR111	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.5	33.9	35.7	36.0	36.0	36.0	36.0	36.0
	Exceedance Level	-	-	-14.5	-11.1	-9.3	-9.0	-12.4	-16.4	-21.0	-26.2
120 - NSR122	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.5	33.9	35.8	36.1	36.1	36.1	36.1	36.1
	Exceedance Level	-	-	-14.5	-11.1	-9.2	-8.9	-12.3	-16.3	-20.9	-26.1
121 - NSR121	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.4	33.8	35.7	36.0	36.0	36.0	36.0	36.0
	Exceedance Level	-	-	-14.6	-11.2	-9.3	-9.0	-12.4	-16.4	-21.0	-26.2
122 - NSR125	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.6	34.0	35.9	36.2	36.2	36.2	36.2	36.2
	Exceedance Level	-	-	-14.4	-11.0	-9.1	-8.8	-12.2	-16.2	-20.8	-26.0
123 - NSR127	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.5	33.9	35.7	36.0	36.0	36.0	36.0	36.0
	Exceedance Level	-	-	-14.5	-11.1	-9.3	-9.0	-9.0	-9.6	-13.3	-17.5
	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2

Table A5.2 Total WEDG Noise Limits Compliance Table at NSRs – Daytime

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
124 - NSR130	Cumulative Wind Turbine Noise LA90 dB	-	-	30.4	33.8	35.7	35.9	35.9	35.9	35.9	35.9
	Exceedance Level	-	-	-14.6	-11.2	-9.3	-9.1	-12.5	-16.5	-21.1	-26.3
125 - NSR215	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.6	30.0	31.9	32.2	32.2	32.2	32.2	32.2
	Exceedance Level	-	-	-18.4	-15.0	-13.1	-12.8	-12.8	-12.8	-15.5	-19.9
126 - NSR134	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.6	34.0	35.9	36.2	36.2	36.2	36.2	36.2
	Exceedance Level	-	-	-9.4	-6.0	-9.1	-8.8	-8.8	-8.8	-12.7	-18.4
127 - NSR136	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.4	33.8	35.7	35.9	35.9	35.9	35.9	35.9
	Exceedance Level	-	-	-14.6	-11.2	-9.3	-9.1	-12.5	-16.5	-21.1	-26.3
128 - NSR133	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.1	31.5	33.3	33.6	33.6	33.6	33.6	33.6
	Exceedance Level	-	-	-11.9	-8.5	-6.7	-11.4	-11.4	-11.4	-15.5	-20.7
129 - NSR135	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.1	31.5	33.4	33.6	33.6	33.6	33.6	33.6
	Exceedance Level	-	-	-11.9	-8.5	-6.6	-11.4	-11.4	-11.4	-15.5	-20.7
130 - NSR138	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.6	34.0	35.9	36.1	36.1	36.1	36.1	36.1
	Exceedance Level	-	-	-9.4	-6.0	-9.1	-8.9	-8.9	-8.9	-12.8	-18.5
131 - NSR116	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.7	32.1	34.0	34.3	34.3	34.3	34.3	34.3
	Exceedance Level	-	-	-11.3	-7.9	-11.0	-10.7	-10.7	-10.9	-14.9	-19.1
132 - NSR124	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.7	32.1	34.0	34.3	34.3	34.3	34.3	34.3
	Exceedance Level	-	-	-16.3	-12.9	-11.0	-10.7	-14.1	-18.1	-22.7	-27.9
133 - NSR123	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.8	32.2	34.1	34.4	34.4	34.4	34.4	34.4
	Exceedance Level	-	-	-16.2	-12.8	-10.9	-10.6	-14.0	-18.0	-22.6	-27.8
134 - NSR139	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.5	33.9	35.8	36.1	36.1	36.1	36.1	36.1
	Exceedance Level	-	-	-14.5	-11.1	-9.2	-8.9	-12.3	-16.3	-20.9	-26.1
135 - NSR149	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.2	31.6	33.5	33.8	33.8	33.8	33.8	33.8
	Exceedance Level	-	-	-11.8	-8.4	-6.5	-11.2	-11.2	-11.2	-15.3	-20.5
136 - NSR241	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.4	29.8	31.7	32.0	32.0	32.0	32.0	32.0
	Exceedance Level	-	-	-18.6	-15.2	-13.3	-13.0	-13.0	-13.0	-15.7	-20.1
137 - NSR142	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.8	32.2	34.1	34.4	34.4	34.4	34.4	34.4
	Exceedance Level	-	-	-16.2	-12.8	-10.9	-10.6	-10.6	-11.2	-14.9	-19.1
138 - NSR141	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.0	31.4	33.3	33.6	33.6	33.6	33.6	33.6
	Exceedance Level	-	-	-12.0	-8.6	-6.7	-11.4	-11.4	-11.4	-15.5	-20.7
139 - NSR126	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.7	32.1	34.0	34.3	34.3	34.3	34.3	34.3
	Exceedance Level	-	-	-16.3	-12.9	-11.0	-10.7	-14.1	-18.1	-22.7	-27.9
140 - NSR145	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.5	32.9	34.8	35.1	35.1	35.1	35.1	35.1
	Exceedance Level	-	-	-15.5	-12.1	-10.2	-9.9	-9.9	-10.5	-14.2	-18.4
141 - NSR146	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.6	32.0	33.9	34.2	34.2	34.2	34.2	34.2
	Exceedance Level	-	-	-11.4	-8.0	-11.1	-10.8	-10.8	-11.0	-15.0	-19.2
142 - NSR147	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.3	50.5	54.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.3	33.7	35.6	35.9	35.9	35.9	35.9	35.9
	Exceedance Level	-	-	-14.7	-11.3	-9.4	-9.1	-9.1	-11.4	-14.6	-18.5
143 - NSR150	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.8	32.2	34.1	34.4	34.4	34.4	34.4	34.4
	Exceedance Level	-	-	-16.2	-12.8	-10.9	-10.6	-10.6	-11.2	-14.9	-19.1
144 - NSR151	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.4	33.8	35.7	36.0	36.0	36.0	36.0	36.0
	Exceedance Level	-	-	-14.6	-11.2	-9.3	-9.0	-12.4	-16.4	-21.0	-26.2
145 - NSR152	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.6	32.0	33.9	34.2	34.2	34.2	34.2	34.2
	Exceedance Level	-	-	-11.4	-8.0	-11.1	-10.8	-10.8	-11.0	-15.0	-19.2
146 - NSR153	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.9	31.3	33.2	33.5	33.5	33.5	33.5	33.5
	Exceedance Level	-	-	-12.1	-8.7	-6.8	-11.5	-11.5	-11.5	-15.6	-20.8
147 - NSR154	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.2	32.6	34.5	34.8	34.8	34.8	34.8	34.8
	Exceedance Level	-	-	-15.8	-12.4	-10.5	-10.2	-10.2	-10.8	-14.5	-18.7
148 - NSR225	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.4	29.8	31.7	32.0	32.0	32.0	32.0	32.0
	Exceedance Level	-	-	-18.6	-15.2	-13.3	-13.0	-13.0	-13.0	-15.7	-20.1

Table A5.2 Total WEDG Noise Limits Compliance Table at NSRs – Daytime

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
149 - NSR155	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.5	31.9	33.8	34.1	34.1	34.1	34.1	34.1
	Exceedance Level	-	-	-11.5	-8.1	-11.2	-10.9	-10.9	-11.1	-15.1	-19.3
150 - NSR156	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.2	33.6	35.5	35.8	35.8	35.8	35.8	35.8
	Exceedance Level	-	-	-14.8	-11.4	-9.5	-9.2	-9.2	-9.8	-13.5	-17.7
151 - NSR157	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.8	33.2	35.0	35.3	35.3	35.3	35.3	35.3
	Exceedance Level	-	-	-15.2	-11.8	-10.0	-9.7	-9.7	-10.3	-14.0	-18.2
152 - NSR128	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.8	32.2	34.1	34.4	34.4	34.4	34.4	34.4
	Exceedance Level	-	-	-16.2	-12.8	-10.9	-10.6	-14.0	-18.0	-22.6	-27.8
153 - NSR250	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.0	29.4	31.3	31.6	31.6	31.6	31.6	31.6
	Exceedance Level	-	-	-19.0	-15.6	-13.7	-13.4	-13.4	-13.4	-16.1	-20.5
154 - NSR159	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.2	33.6	35.5	35.7	35.7	35.7	35.7	35.7
	Exceedance Level	-	-	-14.8	-11.4	-9.5	-9.3	-9.3	-9.9	-13.6	-17.8
155 - NSR137	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.5	30.9	32.8	33.1	33.1	33.1	33.1	33.1
	Exceedance Level	-	-	-12.5	-9.1	-7.2	-11.9	-11.9	-11.9	-16.0	-21.2
156 - NSR161	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.5	31.9	33.8	34.1	34.1	34.1	34.1	34.1
	Exceedance Level	-	-	-16.5	-13.1	-11.2	-10.9	-10.9	-11.5	-15.2	-19.4
157 - NSR163	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.8	31.2	33.1	33.4	33.4	33.4	33.4	33.4
	Exceedance Level	-	-	-12.2	-8.8	-6.9	-11.6	-11.6	-11.6	-15.7	-20.9
158 - NSR231	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.3	29.7	31.6	31.9	31.9	31.9	31.9	31.9
	Exceedance Level	-	-	-18.7	-15.3	-13.4	-13.1	-13.1	-13.1	-15.8	-20.2
159 - NSR251	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.4	29.8	31.7	32.0	32.0	32.0	32.0	32.0
	Exceedance Level	-	-	-18.6	-15.2	-13.3	-13.0	-13.0	-13.0	-15.7	-20.1
160 - NSR164	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.1	33.6	35.4	35.7	35.7	35.7	35.7	35.7
	Exceedance Level	-	-	-14.9	-11.4	-9.6	-9.3	-9.3	-9.9	-13.6	-17.8
161 - NSR174	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.9	31.4	33.2	33.5	33.5	33.5	33.5	33.5
	Exceedance Level	-	-	-12.1	-8.6	-6.8	-11.5	-11.5	-11.5	-15.6	-20.8
162 - NSR167	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.2	33.6	35.5	35.8	35.8	35.8	35.8	35.8
	Exceedance Level	-	-	-9.8	-6.4	-9.5	-9.2	-9.2	-9.2	-13.1	-18.8
163 - NSR253	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.1	29.6	31.4	31.7	31.7	31.7	31.7	31.7
	Exceedance Level	-	-	-18.9	-15.4	-13.6	-13.3	-13.3	-13.3	-16.0	-20.4
164 - NSR166	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.3	50.5	54.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.2	33.6	35.5	35.7	35.7	35.7	35.7	35.7
	Exceedance Level	-	-	-14.8	-11.4	-9.5	-9.3	-9.3	-11.6	-14.8	-18.7
165 - NSR131	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.3	31.7	33.6	33.9	33.9	33.9	33.9	33.9
	Exceedance Level	-	-	-11.7	-8.3	-11.4	-11.1	-11.1	-11.3	-15.3	-19.5
166 - NSR132	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.2	31.6	33.5	33.8	33.8	33.8	33.8	33.8
	Exceedance Level	-	-	-11.8	-8.4	-11.5	-11.2	-11.2	-11.4	-15.4	-19.6
167 - NSR252	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.8	29.3	31.1	31.4	31.4	31.4	31.4	31.4
	Exceedance Level	-	-	-19.2	-15.7	-13.9	-13.6	-13.6	-13.6	-16.3	-20.7
168 - NSR169	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.1	32.5	34.4	34.6	34.6	34.6	34.6	34.6
	Exceedance Level	-	-	-15.9	-12.5	-10.6	-10.4	-10.4	-11.0	-14.7	-18.9
169 - NSR170	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.1	32.5	34.4	34.7	34.7	34.7	34.7	34.7
	Exceedance Level	-	-	-15.9	-12.5	-10.6	-10.3	-10.3	-10.9	-14.6	-18.8
170 - NSR172	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.7	32.1	34.0	34.3	34.3	34.3	34.3	34.3
	Exceedance Level	-	-	-16.3	-12.9	-11.0	-10.7	-10.7	-11.3	-15.0	-19.2
171 - NSR175	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.1	33.5	35.4	35.7	35.7	35.7	35.7	35.7
	Exceedance Level	-	-	-14.9	-11.5	-9.6	-9.3	-9.3	-9.9	-13.6	-17.8
172 - NSR176	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.3	50.5	54.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.1	33.5	35.3	35.6	35.6	35.6	35.6	35.6
	Exceedance Level	-	-	-14.9	-11.5	-9.7	-9.4	-9.4	-11.7	-14.9	-18.8
173 - NSR177	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.6	32.1	33.9	34.2	34.2	34.2	34.2	34.2

Table A5.2 Total WEDG Noise Limits Compliance Table at NSRs – Daytime

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
	Exceedance Level	-	-	-16.4	-12.9	-11.1	-10.8	-10.8	-11.4	-15.1	-19.3
174 - NSR178	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.0	32.4	34.3	34.6	34.6	34.6	34.6	34.6
	Exceedance Level	-	-	-16.0	-12.6	-10.7	-10.4	-10.4	-11.0	-14.7	-18.9
175 - NSR179	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.9	32.4	34.2	34.5	34.5	34.5	34.5	34.5
	Exceedance Level	-	-	-16.1	-12.6	-10.8	-10.5	-10.5	-11.1	-14.8	-19.0
176 - NSR180	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.1	33.5	35.4	35.7	35.7	35.7	35.7	35.7
	Exceedance Level	-	-	-14.9	-11.5	-9.6	-9.3	-9.3	-9.9	-13.6	-17.8
177 - NSR183	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.8	32.2	34.1	34.4	34.4	34.4	34.4	34.4
	Exceedance Level	-	-	-16.2	-12.8	-10.9	-10.6	-10.6	-11.2	-14.9	-19.1
178 - NSR144	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.6	32.0	33.9	34.1	34.1	34.1	34.1	34.1
	Exceedance Level	-	-	-16.4	-13.0	-11.1	-10.9	-14.3	-18.3	-22.9	-28.1
179 - NSR184	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.7	32.2	34.0	34.3	34.3	34.3	34.3	34.3
	Exceedance Level	-	-	-16.3	-12.8	-11.0	-10.7	-10.7	-11.3	-15.0	-19.2
180 - NSR262	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.2	29.6	31.5	31.8	31.8	31.8	31.8	31.8
	Exceedance Level	-	-	-18.8	-15.4	-13.5	-13.2	-13.2	-13.2	-15.9	-20.3
181 - NSR185	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.6	31.0	32.9	33.2	33.2	33.2	33.2	33.2
	Exceedance Level	-	-	-12.4	-9.0	-7.1	-11.8	-11.8	-11.8	-15.9	-21.1
182 - NSR186	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.3	31.7	33.6	33.9	33.9	33.9	33.9	33.9
	Exceedance Level	-	-	-11.7	-8.3	-11.4	-11.1	-11.1	-11.3	-15.3	-19.5
183 - NSR187	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.7	32.1	34.0	34.3	34.3	34.3	34.3	34.3
	Exceedance Level	-	-	-11.3	-7.9	-11.0	-10.7	-10.7	-10.9	-14.9	-19.1
184 - NSR188	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.2	31.7	33.5	33.8	33.8	33.8	33.8	33.8
	Exceedance Level	-	-	-11.8	-8.3	-11.5	-11.2	-11.2	-11.4	-15.4	-19.6
185 - NSR239	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.1	29.5	31.4	31.7	31.7	31.7	31.7	31.7
	Exceedance Level	-	-	-18.9	-15.5	-13.6	-13.3	-13.3	-13.3	-16.0	-20.4
186 - NSR158	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.3	30.7	32.6	32.9	32.9	32.9	32.9	32.9
	Exceedance Level	-	-	-12.7	-9.3	-7.4	-12.1	-12.1	-12.1	-16.2	-21.4
187 - NSR189	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.7	32.1	34.0	34.3	34.3	34.3	34.3	34.3
	Exceedance Level	-	-	-16.3	-12.9	-11.0	-10.7	-10.7	-11.3	-15.0	-19.2
188 - NSR191	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.6	32.0	33.9	34.2	34.2	34.2	34.2	34.2
	Exceedance Level	-	-	-16.4	-13.0	-11.1	-10.8	-10.8	-11.4	-15.1	-19.3
189 - NSR165	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.2	31.6	33.5	33.8	33.8	33.8	33.8	33.8
	Exceedance Level	-	-	-16.8	-13.4	-11.5	-11.2	-14.6	-18.6	-23.2	-28.4
190 - NSR192	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.0	33.5	35.3	35.6	35.6	35.6	35.6	35.6
	Exceedance Level	-	-	-15.0	-11.5	-9.7	-9.4	-9.4	-10.0	-13.7	-17.9
191 - NSR193	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.2	31.6	33.5	33.8	33.8	33.8	33.8	33.8
	Exceedance Level	-	-	-11.8	-8.4	-11.5	-11.2	-11.2	-11.4	-15.4	-19.6
192 - NSR194	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.5	32.0	33.8	34.1	34.1	34.1	34.1	34.1
	Exceedance Level	-	-	-16.5	-13.0	-11.2	-10.9	-10.9	-11.5	-15.2	-19.4
193 - NSR265	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.1	29.5	31.4	31.7	31.7	31.7	31.7	31.7
	Exceedance Level	-	-	-18.9	-15.5	-13.6	-13.3	-13.3	-13.3	-16.0	-20.4
194 - NSR148	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.7	32.1	34.0	34.3	34.3	34.3	34.3	34.3
	Exceedance Level	-	-	-16.3	-12.9	-11.0	-10.7	-14.1	-18.1	-22.7	-27.9
195 - NSR196	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.0	33.4	35.3	35.6	35.6	35.6	35.6	35.6
	Exceedance Level	-	-	-15.0	-11.6	-9.7	-9.4	-9.4	-10.0	-13.7	-17.9
196 - NSR198	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.3	32.7	34.6	34.9	34.9	34.9	34.9	34.9
	Exceedance Level	-	-	-15.7	-12.3	-10.4	-10.1	-10.1	-10.7	-14.4	-18.6
197 - NSR199	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.3	50.5	54.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.7	33.1	35.0	35.3	35.3	35.3	35.3	35.3
	Exceedance Level	-	-	-15.3	-11.9	-10.0	-9.7	-9.7	-12.0	-15.2	-19.1
	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5

Table A5.2 Total WEDG Noise Limits Compliance Table at NSRs – Daytime

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
198 - NSR200	Cumulative Wind Turbine Noise LA90 dB	-	-	29.4	32.8	34.7	34.9	34.9	34.9	34.9	34.9
	Exceedance Level	-	-	-15.6	-12.2	-10.3	-10.1	-10.1	-10.7	-14.4	-18.6
199 - NSR171	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.3	31.7	33.6	33.8	33.8	33.8	33.8	33.8
	Exceedance Level	-	-	-16.7	-13.3	-11.4	-11.2	-14.6	-18.6	-23.2	-28.4
200 - NSR201	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.3	31.7	33.6	33.9	33.9	33.9	33.9	33.9
	Exceedance Level	-	-	-16.7	-13.3	-11.4	-11.1	-11.1	-11.7	-15.4	-19.6
201 - NSR168	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.8	32.2	34.1	34.4	34.4	34.4	34.4	34.4
	Exceedance Level	-	-	-11.2	-7.8	-10.9	-10.6	-10.6	-10.8	-14.8	-19.0
202 - NSR202	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.7	33.1	35.0	35.2	35.2	35.2	35.2	35.2
	Exceedance Level	-	-	-10.3	-6.9	-10.0	-9.8	-9.8	-9.8	-13.7	-19.4
203 - NSR274	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.1	29.5	31.4	31.7	31.7	31.7	31.7	31.7
	Exceedance Level	-	-	-18.9	-15.5	-13.6	-13.3	-13.3	-13.3	-16.0	-20.4
204 - NSR162	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.6	32.1	33.9	34.2	34.2	34.2	34.2	34.2
	Exceedance Level	-	-	-16.4	-12.9	-11.1	-10.8	-14.2	-18.2	-22.8	-28.0
205 - NSR204	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.6	33.0	34.8	35.1	35.1	35.1	35.1	35.1
	Exceedance Level	-	-	-15.4	-12.0	-10.2	-9.9	-9.9	-10.5	-14.2	-18.4
206 - NSR230	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.5	29.9	31.8	32.0	32.0	32.0	32.0	32.0
	Exceedance Level	-	-	-18.5	-15.1	-13.2	-13.0	-13.0	-13.0	-15.7	-20.1
207 - NSR284	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.6	29.1	30.9	31.2	31.2	31.2	31.2	31.2
	Exceedance Level	-	-	-19.4	-15.9	-14.1	-13.8	-13.8	-13.8	-16.5	-20.9
208 - NSR195	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.9	31.3	33.2	33.4	33.4	33.4	33.4	33.4
	Exceedance Level	-	-	-17.1	-13.7	-11.8	-11.6	-15.0	-19.0	-23.6	-28.8
209 - NSR205	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.3	30.7	32.5	32.8	32.8	32.8	32.8	32.8
	Exceedance Level	-	-	-12.7	-9.3	-7.5	-12.2	-12.2	-12.2	-16.3	-21.5
210 - NSR282	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.9	29.3	31.2	31.5	31.5	31.5	31.5	31.5
	Exceedance Level	-	-	-19.1	-15.7	-13.8	-13.5	-13.5	-13.5	-16.2	-20.6
211 - NSR208	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.6	33.0	34.9	35.2	35.2	35.2	35.2	35.2
	Exceedance Level	-	-	-15.4	-12.0	-10.1	-9.8	-9.8	-10.4	-14.1	-18.3
212 - NSR234	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.3	29.7	31.6	31.9	31.9	31.9	31.9	31.9
	Exceedance Level	-	-	-18.7	-15.3	-13.4	-13.1	-13.1	-13.1	-15.8	-20.2
213 - NSR210	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.5	32.9	34.8	35.1	35.1	35.1	35.1	35.1
	Exceedance Level	-	-	-10.5	-7.1	-10.2	-9.9	-9.9	-9.9	-13.8	-19.5
214 - NSR190	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.8	32.2	34.1	34.3	34.3	34.3	34.3	34.3
	Exceedance Level	-	-	-11.2	-7.8	-10.9	-10.7	-10.7	-10.9	-14.9	-19.1
215 - NSR211	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.6	33.0	34.9	35.2	35.2	35.2	35.2	35.2
	Exceedance Level	-	-	-15.4	-12.0	-10.1	-9.8	-9.8	-10.4	-14.1	-18.3
216 - NSR292	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.6	29.0	30.9	31.1	31.1	31.1	31.1	31.1
	Exceedance Level	-	-	-19.4	-16.0	-14.1	-13.9	-13.9	-13.9	-16.6	-21.0
217 - NSR233	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.4	29.9	31.7	32.0	32.0	32.0	32.0	32.0
	Exceedance Level	-	-	-18.6	-15.1	-13.3	-13.0	-13.0	-13.0	-15.7	-20.1
218 - NSR254	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.8	29.2	31.1	31.4	31.4	31.4	31.4	31.4
	Exceedance Level	-	-	-19.2	-15.8	-13.9	-13.6	-13.6	-13.6	-16.3	-20.7
219 - NSR197	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.9	31.3	33.2	33.5	33.5	33.5	33.5	33.5
	Exceedance Level	-	-	-17.1	-13.7	-11.8	-11.5	-14.9	-18.9	-23.5	-28.7
220 - NSR289	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.9	29.3	31.2	31.5	31.5	31.5	31.5	31.5
	Exceedance Level	-	-	-19.1	-15.7	-13.8	-13.5	-13.5	-13.5	-16.2	-20.6
221 - NSR203	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.6	31.0	32.9	33.1	33.1	33.1	33.1	33.1
	Exceedance Level	-	-	-17.4	-14.0	-12.1	-11.9	-15.3	-19.3	-23.9	-29.1
222 - NSR213	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.3	50.5	54.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.5	32.9	34.8	35.1	35.1	35.1	35.1	35.1
	Exceedance Level	-	-	-15.5	-12.1	-10.2	-9.9	-9.9	-12.2	-15.4	-19.3

Table A5.2 Total WEDG Noise Limits Compliance Table at NSRs – Daytime

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
223 - NSR217	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.0	31.5	33.3	33.6	33.6	33.6	33.6	33.6
	Exceedance Level	-	-	-17.0	-13.5	-11.7	-11.4	-11.4	-12.0	-15.7	-19.9
224 - NSR182	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.6	32.0	33.9	34.1	34.1	34.1	34.1	34.1
	Exceedance Level	-	-	-16.4	-13.0	-11.1	-10.9	-14.3	-18.3	-22.9	-28.1
225 - NSR291	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.2	28.6	30.5	30.8	30.8	30.8	30.8	30.8
	Exceedance Level	-	-	-19.8	-16.4	-14.5	-14.2	-14.2	-14.2	-16.9	-21.3
226 - NSR298	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.5	28.9	30.8	31.1	31.1	31.1	31.1	31.1
	Exceedance Level	-	-	-19.5	-16.1	-14.2	-13.9	-13.9	-13.9	-16.6	-21.0
227 - NSR243	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.1	29.5	31.4	31.7	31.7	31.7	31.7	31.7
	Exceedance Level	-	-	-18.9	-15.5	-13.6	-13.3	-13.3	-13.3	-16.0	-20.4
228 - NSR218	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.3	50.5	54.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.3	32.7	34.6	34.9	34.9	34.9	34.9	34.9
	Exceedance Level	-	-	-15.7	-12.3	-10.4	-10.1	-10.1	-12.4	-15.6	-19.5
229 - NSR220	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.8	31.2	33.1	33.4	33.4	33.4	33.4	33.4
	Exceedance Level	-	-	-17.2	-13.8	-11.9	-11.6	-11.6	-12.2	-15.9	-20.1
230 - NSR222	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.9	31.3	33.2	33.5	33.5	33.5	33.5	33.5
	Exceedance Level	-	-	-17.1	-13.7	-11.8	-11.5	-11.5	-12.1	-15.8	-20.0
231 - NSR268	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.5	28.9	30.8	31.1	31.1	31.1	31.1	31.1
	Exceedance Level	-	-	-19.5	-16.1	-14.2	-13.9	-13.9	-13.9	-16.6	-21.0
232 - NSR237	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.9	32.4	34.2	34.5	34.5	34.5	34.5	34.5
	Exceedance Level	-	-	-11.1	-7.6	-10.8	-10.5	-10.5	-10.5	-14.4	-20.1
233 - NSR223	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.3	50.5	54.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.9	32.4	34.2	34.5	34.5	34.5	34.5	34.5
	Exceedance Level	-	-	-16.1	-12.6	-10.8	-10.5	-10.5	-12.8	-16.0	-19.9
234 - NSR240	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.3	29.7	31.6	31.9	31.9	31.9	31.9	31.9
	Exceedance Level	-	-	-18.7	-15.3	-13.4	-13.1	-13.1	-13.1	-15.8	-20.2
235 - NSR227	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.5	30.9	32.8	33.1	33.1	33.1	33.1	33.1
	Exceedance Level	-	-	-12.5	-9.1	-12.2	-11.9	-11.9	-12.1	-16.1	-20.3
236 - NSR228	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.2	32.6	34.5	34.7	34.7	34.7	34.7	34.7
	Exceedance Level	-	-	-15.8	-12.4	-10.5	-10.3	-10.3	-10.9	-14.6	-18.8
237 - NSR229	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.7	31.1	33.0	33.3	33.3	33.3	33.3	33.3
	Exceedance Level	-	-	-17.3	-13.9	-12.0	-11.7	-11.7	-12.3	-16.0	-20.2
238 - NSR267	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.3	31.7	33.5	33.8	33.8	33.8	33.8	33.8
	Exceedance Level	-	-	-11.7	-8.3	-11.5	-11.2	-11.2	-11.2	-15.1	-20.8
239 - NSR286	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.2	28.7	30.5	30.8	30.8	30.8	30.8	30.8
	Exceedance Level	-	-	-19.8	-16.3	-14.5	-14.2	-14.2	-14.2	-16.9	-21.3
240 - NSR224	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.5	29.9	31.8	32.1	32.1	32.1	32.1	32.1
	Exceedance Level	-	-	-13.5	-10.1	-8.2	-12.9	-12.9	-12.9	-17.0	-22.2
241 - NSR315	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.9	28.3	30.2	30.5	30.5	30.5	30.5	30.5
	Exceedance Level	-	-	-20.1	-16.7	-14.8	-14.5	-14.5	-14.5	-17.2	-21.6
242 - NSR238	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.4	30.8	32.7	33.0	33.0	33.0	33.0	33.0
	Exceedance Level	-	-	-12.6	-9.2	-12.3	-12.0	-12.0	-12.2	-16.2	-20.4
243 - NSR280	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.0	31.4	33.3	33.5	33.5	33.5	33.5	33.5
	Exceedance Level	-	-	-12.0	-8.6	-11.7	-11.5	-11.5	-11.5	-15.4	-21.1
244 - NSR209	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.2	31.6	33.5	33.8	33.8	33.8	33.8	33.8
	Exceedance Level	-	-	-16.8	-13.4	-11.5	-11.2	-14.6	-18.6	-23.2	-28.4
245 - NSR297	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.1	28.5	30.4	30.7	30.7	30.7	30.7	30.7
	Exceedance Level	-	-	-19.9	-16.5	-14.6	-14.3	-14.3	-14.3	-17.0	-21.4
246 - NSR246	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.3	30.7	32.6	32.9	32.9	32.9	32.9	32.9
	Exceedance Level	-	-	-17.7	-14.3	-12.4	-12.1	-12.1	-12.7	-16.4	-20.6
247 - NSR219	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.8	31.2	33.1	33.4	33.4	33.4	33.4	33.4

Table A5.2 Total WEDG Noise Limits Compliance Table at NSRs – Daytime

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
	Exceedance Level	-	-	-17.2	-13.8	-11.9	-11.6	-15.0	-19.0	-23.6	-28.8
248 - NSR277	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.5	29.0	30.8	31.1	31.1	31.1	31.1	31.1
	Exceedance Level	-	-	-19.5	-16.0	-14.2	-13.9	-13.9	-13.9	-16.6	-21.0
249 - NSR248	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.0	30.4	32.3	32.6	32.6	32.6	32.6	32.6
	Exceedance Level	-	-	-13.0	-9.6	-12.7	-12.4	-12.4	-12.6	-16.6	-20.8
250 - NSR249	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.3	50.5	54.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.8	32.2	34.1	34.4	34.4	34.4	34.4	34.4
	Exceedance Level	-	-	-16.2	-12.8	-10.9	-10.6	-10.6	-12.9	-16.1	-20.0
251 - NSR221	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.0	31.4	33.3	33.6	33.6	33.6	33.6	33.6
	Exceedance Level	-	-	-17.0	-13.6	-11.7	-11.4	-14.8	-18.8	-23.4	-28.6
252 - NSR305	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.0	28.4	30.3	30.5	30.5	30.5	30.5	30.5
	Exceedance Level	-	-	-20.0	-16.6	-14.7	-14.5	-14.5	-14.5	-17.2	-21.6
253 - NSR255	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.4	30.8	32.7	33.0	33.0	33.0	33.0	33.0
	Exceedance Level	-	-	-17.6	-14.2	-12.3	-12.0	-12.0	-12.6	-16.3	-20.5
254 - NSR256	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.3	50.5	54.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.7	32.1	34.0	34.3	34.3	34.3	34.3	34.3
	Exceedance Level	-	-	-16.3	-12.9	-11.0	-10.7	-10.7	-13.0	-16.2	-20.1
255 - NSR257	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.3	50.5	54.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.7	32.1	34.0	34.2	34.2	34.2	34.2	34.2
	Exceedance Level	-	-	-16.3	-12.9	-11.0	-10.8	-10.8	-13.1	-16.3	-20.2
256 - NSR236	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.0	31.4	33.3	33.5	33.5	33.5	33.5	33.5
	Exceedance Level	-	-	-17.0	-13.6	-11.7	-11.5	-14.9	-18.9	-23.5	-28.7
257 - NSR226	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.9	31.3	33.2	33.4	33.4	33.4	33.4	33.4
	Exceedance Level	-	-	-17.1	-13.7	-11.8	-11.6	-15.0	-19.0	-23.6	-28.8
258 - NSR301	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.5	31.0	32.8	33.1	33.1	33.1	33.1	33.1
	Exceedance Level	-	-	-12.5	-9.0	-12.2	-11.9	-11.9	-11.9	-15.8	-21.5
259 - NSR275	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.7	29.1	31.0	31.3	31.3	31.3	31.3	31.3
	Exceedance Level	-	-	-19.3	-15.9	-14.0	-13.7	-13.7	-13.7	-16.4	-20.8
260 - NSR232	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.6	31.0	32.8	33.1	33.1	33.1	33.1	33.1
	Exceedance Level	-	-	-17.4	-14.0	-12.2	-11.9	-15.3	-19.3	-23.9	-29.1
261 - NSR260	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.3	50.5	54.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.7	32.1	34.0	34.3	34.3	34.3	34.3	34.3
	Exceedance Level	-	-	-16.3	-12.9	-11.0	-10.7	-10.7	-13.0	-16.2	-20.1
262 - NSR258	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.0	31.4	33.3	33.6	33.6	33.6	33.6	33.6
	Exceedance Level	-	-	-17.0	-13.6	-11.7	-11.4	-14.8	-18.8	-23.4	-28.6
263 - NSR235	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.8	31.2	33.1	33.4	33.4	33.4	33.4	33.4
	Exceedance Level	-	-	-17.2	-13.8	-11.9	-11.6	-15.0	-19.0	-23.6	-28.8
264 - NSR309	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.0	28.4	30.3	30.5	30.5	30.5	30.5	30.5
	Exceedance Level	-	-	-20.0	-16.6	-14.7	-14.5	-14.5	-14.5	-17.2	-21.6
265 - NSR263	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.3	50.5	54.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.6	32.0	33.9	34.2	34.2	34.2	34.2	34.2
	Exceedance Level	-	-	-16.4	-13.0	-11.1	-10.8	-10.8	-13.1	-16.3	-20.2
266 - NSR264	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.3	50.5	54.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.6	32.0	33.9	34.1	34.1	34.1	34.1	34.1
	Exceedance Level	-	-	-16.4	-13.0	-11.1	-10.9	-10.9	-13.2	-16.4	-20.3
267 - NSR283	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.3	50.5	54.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.8	31.2	33.1	33.4	33.4	33.4	33.4	33.4
	Exceedance Level	-	-	-17.2	-13.8	-11.9	-11.6	-11.6	-13.9	-17.1	-21.0
268 - NSR266	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.3	50.5	54.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.2	31.6	33.5	33.8	33.8	33.8	33.8	33.8
	Exceedance Level	-	-	-16.8	-13.4	-11.5	-11.2	-11.2	-13.5	-16.7	-20.6
269 - NSR247	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.8	31.2	33.1	33.4	33.4	33.4	33.4	33.4
	Exceedance Level	-	-	-17.2	-13.8	-11.9	-11.6	-15.0	-19.0	-23.6	-28.8
270 - NSR270	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.1	31.5	33.4	33.7	33.7	33.7	33.7	33.7
	Exceedance Level	-	-	-16.9	-13.5	-11.6	-11.3	-11.3	-11.9	-15.6	-19.8
271 - NSR271	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.1	30.5	32.3	32.6	32.6	32.6	32.6	32.6
	Exceedance Level	-	-	-17.9	-14.5	-12.7	-12.4	-12.4	-13.0	-16.7	-20.9
	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2

Table A5.2 Total WEDG Noise Limits Compliance Table at NSRs – Daytime

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
272 - NSR242	Cumulative Wind Turbine Noise LA90 dB	-	-	27.3	30.7	32.6	32.9	32.9	32.9	32.9	32.9
	Exceedance Level	-	-	-17.7	-14.3	-12.4	-12.1	-15.5	-19.5	-24.1	-29.3
273 - NSR287	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.3	50.5	54.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.7	31.1	33.0	33.3	33.3	33.3	33.3	33.3
	Exceedance Level	-	-	-17.3	-13.9	-12.0	-11.7	-11.7	-14.0	-17.2	-21.1
274 - NSR272	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.3	50.5	54.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.4	31.8	33.7	34.0	34.0	34.0	34.0	34.0
	Exceedance Level	-	-	-16.6	-13.2	-11.3	-11.0	-11.0	-13.3	-16.5	-20.4
275 - NSR261	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.7	31.1	33.0	33.3	33.3	33.3	33.3	33.3
	Exceedance Level	-	-	-17.3	-13.9	-12.0	-11.7	-15.1	-19.1	-23.7	-28.9
276 - NSR245	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.6	31.0	32.9	33.2	33.2	33.2	33.2	33.2
	Exceedance Level	-	-	-17.4	-14.0	-12.1	-11.8	-15.2	-19.2	-23.8	-29.0
277 - NSR276	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.3	30.7	32.6	32.9	32.9	32.9	32.9	32.9
	Exceedance Level	-	-	-17.7	-14.3	-12.4	-12.1	-12.1	-12.7	-16.4	-20.6
278 - NSR269	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.7	31.1	32.9	33.2	33.2	33.2	33.2	33.2
	Exceedance Level	-	-	-17.3	-13.9	-12.1	-11.8	-15.2	-19.2	-23.8	-29.0
279 - NSR278	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.3	50.5	54.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.0	31.4	33.3	33.6	33.6	33.6	33.6	33.6
	Exceedance Level	-	-	-17.0	-13.6	-11.7	-11.4	-11.4	-13.7	-16.9	-20.8
280 - NSR281	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.3	30.7	32.6	32.9	32.9	32.9	32.9	32.9
	Exceedance Level	-	-	-17.7	-14.3	-12.4	-12.1	-12.1	-12.7	-16.4	-20.6
281 - NSR273	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.6	31.0	32.9	33.2	33.2	33.2	33.2	33.2
	Exceedance Level	-	-	-17.4	-14.0	-12.1	-11.8	-15.2	-19.2	-23.8	-29.0
282 - NSR259	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.5	30.9	32.8	33.1	33.1	33.1	33.1	33.1
	Exceedance Level	-	-	-17.5	-14.1	-12.2	-11.9	-15.3	-19.3	-23.9	-29.1
283 - NSR293	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.7	30.1	32.0	32.3	32.3	32.3	32.3	32.3
	Exceedance Level	-	-	-13.3	-9.9	-13.0	-12.7	-12.7	-12.9	-16.9	-21.1
284 - NSR285	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.8	30.3	32.1	32.4	32.4	32.4	32.4	32.4
	Exceedance Level	-	-	-18.2	-14.7	-12.9	-12.6	-12.6	-13.2	-16.9	-21.1
285 - NSR288	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.6	30.0	31.9	32.2	32.2	32.2	32.2	32.2
	Exceedance Level	-	-	-18.4	-15.0	-13.1	-12.8	-12.8	-13.4	-17.1	-21.3
286 - NSR304	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.3	28.7	30.6	30.9	30.9	30.9	30.9	30.9
	Exceedance Level	-	-	-19.7	-16.3	-14.4	-14.1	-14.1	-14.1	-16.8	-21.2
287 - NSR302	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.3	28.8	30.6	30.9	30.9	30.9	30.9	30.9
	Exceedance Level	-	-	-19.7	-16.2	-14.4	-14.1	-14.1	-14.1	-16.8	-21.2
288 - NSR290	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.9	30.4	32.2	32.5	32.5	32.5	32.5	32.5
	Exceedance Level	-	-	-18.1	-14.6	-12.8	-12.5	-12.5	-13.1	-16.8	-21.0
289 - NSR295	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.7	31.1	33.0	33.2	33.2	33.2	33.2	33.2
	Exceedance Level	-	-	-17.3	-13.9	-12.0	-11.8	-15.2	-19.2	-23.8	-29.0
290 - NSR296	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.8	30.2	32.1	32.4	32.4	32.4	32.4	32.4
	Exceedance Level	-	-	-18.2	-14.8	-12.9	-12.6	-12.6	-13.2	-16.9	-21.1
291 - NSR311	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.2	28.7	30.5	30.8	30.8	30.8	30.8	30.8
	Exceedance Level	-	-	-19.8	-16.3	-14.5	-14.2	-14.2	-14.2	-16.9	-21.3
292 - NSR299	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.3	29.7	31.5	31.8	31.8	31.8	31.8	31.8
	Exceedance Level	-	-	-13.7	-10.3	-13.5	-13.2	-13.2	-13.4	-17.4	-21.6
293 - NSR300	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.4	29.8	31.7	32.0	32.0	32.0	32.0	32.0
	Exceedance Level	-	-	-18.6	-15.2	-13.3	-13.0	-13.0	-13.6	-17.3	-21.5
294 - NSR303	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.6	30.0	31.9	32.2	32.2	32.2	32.2	32.2
	Exceedance Level	-	-	-18.4	-15.0	-13.1	-12.8	-12.8	-13.4	-17.1	-21.3
295 - NSR307	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.3	30.8	32.6	32.9	32.9	32.9	32.9	32.9
	Exceedance Level	-	-	-17.7	-14.2	-12.4	-12.1	-15.5	-19.5	-24.1	-29.3
296 - NSR312	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.3	50.5	54.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.4	30.8	32.7	33.0	33.0	33.0	33.0	33.0
	Exceedance Level	-	-	-17.6	-14.2	-12.3	-12.0	-12.0	-14.3	-17.5	-21.4

Table A5.2 Total WEDG Noise Limits Compliance Table at NSRs – Daytime

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
297 - NSR306	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.6	29.0	30.9	31.2	31.2	31.2	31.2	31.2
	Exceedance Level	-	-	-19.4	-16.0	-14.1	-13.8	-17.2	-21.2	-25.8	-31.0
298 - NSR313	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.4	30.8	32.7	33.0	33.0	33.0	33.0	33.0
	Exceedance Level	-	-	-17.6	-14.2	-12.3	-12.0	-15.4	-19.4	-24.0	-29.2
299 - NSR308	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.1	30.5	32.3	32.6	32.6	32.6	32.6	32.6
	Exceedance Level	-	-	-17.9	-14.5	-12.7	-12.4	-15.8	-19.8	-24.4	-29.6
300 - NSR89	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.6	34.0	35.8	36.1	36.1	36.1	36.1	36.1
	Exceedance Level	-	-	-9.4	-6.0	-9.2	-8.9	-8.9	-9.1	-13.1	-17.3
301 - NSR310	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.5	30.0	31.8	32.1	32.1	32.1	32.1	32.1
	Exceedance Level	-	-	-18.5	-15.0	-13.2	-12.9	-16.3	-20.3	-24.9	-30.1
302 - NSR314	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.1	30.5	32.4	32.6	32.6	32.6	32.6	32.6
	Exceedance Level	-	-	-17.9	-14.5	-12.6	-12.4	-15.8	-19.8	-24.4	-29.6
303 - NSR140	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.4	33.8	35.7	36.0	36.0	36.0	36.0	36.0
	Exceedance Level	-	-	-14.6	-11.2	-9.3	-9.0	-9.0	-9.6	-13.3	-17.5
304 - NSR173	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.2	33.6	35.4	35.7	35.7	35.7	35.7	35.7
	Exceedance Level	-	-	-14.8	-11.4	-9.6	-9.3	-9.3	-9.9	-13.6	-17.8
305 - NSR181	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.1	32.5	34.3	34.6	34.6	34.6	34.6	34.6
	Exceedance Level	-	-	-15.9	-12.5	-10.7	-10.4	-10.4	-11.0	-14.7	-18.9
306 - NSR244	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.2	30.6	32.5	32.8	32.8	32.8	32.8	32.8
	Exceedance Level	-	-	-17.8	-14.4	-12.5	-12.2	-12.2	-12.8	-16.5	-20.7
307 - NSR279	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.8	29.2	31.1	31.3	31.3	31.3	31.3	31.3
	Exceedance Level	-	-	-19.2	-15.8	-13.9	-13.7	-13.7	-13.7	-16.4	-20.8
308 - NSR65	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Cumulative Wind Turbine Noise LA90 dB	-	-	32.5	35.9	37.8	38.1	38.1	38.1	38.1	38.1
	Exceedance Level	-	-	-7.5	-4.1	-7.2	-6.9	-6.9	-6.9	-10.8	-16.5
309 - NSR207	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.8	30.2	32.1	32.4	32.4	32.4	32.4	32.4
	Exceedance Level	-	-	-13.2	-9.8	-7.9	-12.6	-12.6	-12.6	-16.7	-21.9
310 - NSR82	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	32.1	35.5	37.4	37.7	37.7	37.7	37.7	37.7
	Exceedance Level	-	-	-12.9	-9.5	-7.6	-7.3	-7.3	-7.3	-10.0	-14.4
311 - NSR48	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	32.0	35.4	37.3	37.6	37.6	37.6	37.6	37.6
	Exceedance Level	-	-	-8.0	-4.6	-7.7	-7.4	-7.4	-7.6	-11.6	-15.8
312 - NSR23	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Cumulative Wind Turbine Noise LA90 dB	-	-	34.5	37.9	39.8	40.1	40.1	40.1	40.1	40.1
	Exceedance Level	-	-	-5.5	-2.1	-5.2	-4.9	-4.9	-4.9	-8.8	-14.5
313 - NSR114	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Cumulative Wind Turbine Noise LA90 dB	-	-	31.2	34.6	36.5	36.7	36.7	36.7	36.7	36.7
	Exceedance Level	-	-	-8.8	-5.4	-8.5	-8.3	-8.3	-8.3	-12.2	-17.9
314 - NSR214	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.3	32.7	34.6	34.9	34.9	34.9	34.9	34.9
	Exceedance Level	-	-	-10.7	-7.3	-10.4	-10.1	-10.1	-10.1	-14.0	-19.7
315 - NSR294	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.3	50.5	54.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.6	31.1	32.9	33.2	33.2	33.2	33.2	33.2
	Exceedance Level	-	-	-17.4	-13.9	-12.1	-11.8	-11.8	-14.1	-17.3	-21.2
316 - NSR316	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.4	29.8	31.7	32.0	32.0	32.0	32.0	32.0
	Exceedance Level	-	-	-18.6	-15.2	-13.3	-13.0	-16.4	-20.4	-25.0	-30.2
317 - NSR317	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.9	28.3	30.2	30.5	30.5	30.5	30.5	30.5
	Exceedance Level	-	-	-20.1	-16.7	-14.8	-14.5	-14.5	-14.5	-17.2	-21.6
318 - NSR318	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.1	28.5	30.4	30.7	30.7	30.7	30.7	30.7
	Exceedance Level	-	-	-19.9	-16.5	-14.6	-14.3	-14.3	-14.3	-17.0	-21.4
319 - NSR319	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.5	29.0	30.8	31.1	31.1	31.1	31.1	31.1
	Exceedance Level	-	-	-19.5	-16.0	-14.2	-13.9	-13.9	-13.9	-16.6	-21.0
320 - NSR320	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.2	29.6	31.5	31.8	31.8	31.8	31.8	31.8
	Exceedance Level	-	-	-13.8	-10.4	-13.5	-13.2	-13.2	-13.4	-17.4	-21.6
321 - NSR321	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.4	29.8	31.6	31.9	31.9	31.9	31.9	31.9

Table A5.2 Total WEDG Noise Limits Compliance Table at NSRs – Daytime

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
	Exceedance Level	-	-	-18.6	-15.2	-13.4	-13.1	-13.1	-13.7	-17.4	-21.6
322 - NSR322	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.6	29.0	30.9	31.2	31.2	31.2	31.2	31.2
	Exceedance Level	-	-	-19.4	-16.0	-14.1	-13.8	-13.8	-13.8	-16.5	-20.9
323 - NSR323	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.3	28.7	30.6	30.9	30.9	30.9	30.9	30.9
	Exceedance Level	-	-	-19.7	-16.3	-14.4	-14.1	-14.1	-14.1	-16.8	-21.2
324 - NSR324	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.9	29.3	31.2	31.5	31.5	31.5	31.5	31.5
	Exceedance Level	-	-	-19.1	-15.7	-13.8	-13.5	-13.5	-13.5	-16.2	-20.6
325 - NSR325	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.6	28.0	29.9	30.2	30.2	30.2	30.2	30.2
	Exceedance Level	-	-	-20.4	-17.0	-15.1	-14.8	-14.8	-14.8	-17.5	-21.9
326 - NSR326	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.9	28.3	30.2	30.5	30.5	30.5	30.5	30.5
	Exceedance Level	-	-	-20.1	-16.7	-14.8	-14.5	-14.5	-14.5	-17.2	-21.6
327 - NSR327	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.5	28.9	30.8	31.1	31.1	31.1	31.1	31.1
	Exceedance Level	-	-	-14.5	-11.1	-9.2	-13.9	-13.9	-13.9	-18.0	-23.2
328 - NSR328	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.3	50.5	54.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.1	30.5	32.4	32.7	32.7	32.7	32.7	32.7
	Exceedance Level	-	-	-17.9	-14.5	-12.6	-12.3	-12.3	-14.6	-17.8	-21.7
329 - NSR329	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.4	28.8	30.7	31.0	31.0	31.0	31.0	31.0
	Exceedance Level	-	-	-19.6	-16.2	-14.3	-14.0	-14.0	-14.0	-16.7	-21.1
330 - NSR330	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.0	30.4	32.2	32.5	32.5	32.5	32.5	32.5
	Exceedance Level	-	-	-18.0	-14.6	-12.8	-12.5	-12.5	-13.1	-16.8	-21.0
331 - NSR331	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.2	29.7	31.5	31.8	31.8	31.8	31.8	31.8
	Exceedance Level	-	-	-18.8	-15.3	-13.5	-13.2	-13.2	-13.8	-17.5	-21.7
332 - NSR332	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.8	29.2	31.1	31.4	31.4	31.4	31.4	31.4
	Exceedance Level	-	-	-14.2	-10.8	-13.9	-13.6	-13.6	-13.8	-17.8	-22.0
333 - NSR333	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.5	30.0	31.8	32.1	32.1	32.1	32.1	32.1
	Exceedance Level	-	-	-18.5	-15.0	-13.2	-12.9	-16.3	-20.3	-24.9	-30.1
334 - NSR334	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.5	27.9	29.8	30.1	30.1	30.1	30.1	30.1
	Exceedance Level	-	-	-20.5	-17.1	-15.2	-14.9	-14.9	-14.9	-17.6	-22.0
335 - NSR335	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.6	29.0	30.9	31.2	31.2	31.2	31.2	31.2
	Exceedance Level	-	-	-19.4	-16.0	-14.1	-13.8	-13.8	-13.8	-16.5	-20.9
336 - NSR336	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.1	29.5	31.4	31.7	31.7	31.7	31.7	31.7
	Exceedance Level	-	-	-18.9	-15.5	-13.6	-13.3	-16.7	-20.7	-25.3	-30.5
337 - NSR337	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.1	29.5	31.4	31.7	31.7	31.7	31.7	31.7
	Exceedance Level	-	-	-18.9	-15.5	-13.6	-13.3	-13.3	-13.9	-17.6	-21.8
338 - NSR338	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.4	28.8	30.7	31.0	31.0	31.0	31.0	31.0
	Exceedance Level	-	-	-14.6	-11.2	-9.3	-14.0	-14.0	-14.0	-18.1	-23.3
339 - NSR339	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.1	29.5	31.4	31.7	31.7	31.7	31.7	31.7
	Exceedance Level	-	-	-18.9	-15.5	-13.6	-13.3	-16.7	-20.7	-25.3	-30.5
340 - NSR340	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.1	29.5	31.3	31.6	31.6	31.6	31.6	31.6
	Exceedance Level	-	-	-18.9	-15.5	-13.7	-13.4	-16.8	-20.8	-25.4	-30.6
341 - NSR341	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.4	27.8	29.7	30.0	30.0	30.0	30.0	30.0
	Exceedance Level	-	-	-20.6	-17.2	-15.3	-15.0	-15.0	-15.0	-17.7	-22.1
342 - NSR342	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.6	30.0	31.9	32.2	32.2	32.2	32.2	32.2
	Exceedance Level	-	-	-18.4	-15.0	-13.1	-12.8	-16.2	-20.2	-24.8	-30.0
343 - NSR343	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.1	29.5	31.4	31.7	31.7	31.7	31.7	31.7
	Exceedance Level	-	-	-18.9	-15.5	-13.6	-13.3	-16.7	-20.7	-25.3	-30.5
344 - NSR344	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.5	27.9	29.8	30.1	30.1	30.1	30.1	30.1
	Exceedance Level	-	-	-20.5	-17.1	-15.2	-14.9	-14.9	-14.9	-17.6	-22.0
345 - NSR345	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.5	27.9	29.8	30.1	30.1	30.1	30.1	30.1
	Exceedance Level	-	-	-20.5	-17.1	-15.2	-14.9	-14.9	-14.9	-17.6	-22.0
	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1

Table A5.2 Total WEDG Noise Limits Compliance Table at NSRs – Daytime

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
346 - NSR346	Cumulative Wind Turbine Noise LA90 dB	-	-	24.4	27.8	29.7	30.0	30.0	30.0	30.0	30.0
	Exceedance Level	-	-	-20.6	-17.2	-15.3	-15.0	-15.0	-15.0	-17.7	-22.1
347 - NSR347	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.7	30.1	32.0	32.3	32.3	32.3	32.3	32.3
	Exceedance Level	-	-	-13.3	-9.9	-13.0	-12.7	-12.7	-12.7	-16.6	-22.3
348 - NSR348	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.1	28.5	30.4	30.7	30.7	30.7	30.7	30.7
	Exceedance Level	-	-	-19.9	-16.5	-14.6	-14.3	-14.3	-14.3	-17.0	-21.4
349 - NSR349	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.2	29.6	31.5	31.8	31.8	31.8	31.8	31.8
	Exceedance Level	-	-	-18.8	-15.4	-13.5	-13.2	-16.6	-20.6	-25.2	-30.4
350 - NSR350	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.9	29.3	31.2	31.5	31.5	31.5	31.5	31.5
	Exceedance Level	-	-	-19.1	-15.7	-13.8	-13.5	-16.9	-20.9	-25.5	-30.7
351 - NSR351	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.8	30.2	32.1	32.4	32.4	32.4	32.4	32.4
	Exceedance Level	-	-	-13.2	-9.8	-12.9	-12.6	-12.6	-12.6	-16.5	-22.2
352 - NSR352	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.1	28.5	30.3	30.6	30.6	30.6	30.6	30.6
	Exceedance Level	-	-	-19.9	-16.5	-14.7	-14.4	-14.4	-14.4	-17.1	-21.5
353 - NSR353	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.8	30.3	32.1	32.4	32.4	32.4	32.4	32.4
	Exceedance Level	-	-	-18.2	-14.7	-12.9	-12.6	-12.6	-13.2	-16.9	-21.1
354 - NSR354	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.1	29.5	31.4	31.7	31.7	31.7	31.7	31.7
	Exceedance Level	-	-	-18.9	-15.5	-13.6	-13.3	-16.7	-20.7	-25.3	-30.5
355 - NSR355	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.6	30.1	31.9	32.2	32.2	32.2	32.2	32.2
	Exceedance Level	-	-	-13.4	-9.9	-13.1	-12.8	-12.8	-12.8	-16.7	-22.4
356 - NSR356	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.3	50.5	54.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.6	30.0	31.9	32.1	32.1	32.1	32.1	32.1
	Exceedance Level	-	-	-18.4	-15.0	-13.1	-12.9	-12.9	-15.2	-18.4	-22.3
357 - NSR357	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.1	29.5	31.4	31.7	31.7	31.7	31.7	31.7
	Exceedance Level	-	-	-18.9	-15.5	-13.6	-13.3	-16.7	-20.7	-25.3	-30.5
358 - NSR358	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.3	27.7	29.6	29.9	29.9	29.9	29.9	29.9
	Exceedance Level	-	-	-20.7	-17.3	-15.4	-15.1	-15.1	-15.1	-17.8	-22.2
359 - NSR359	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.0	29.4	31.3	31.6	31.6	31.6	31.6	31.6
	Exceedance Level	-	-	-19.0	-15.6	-13.7	-13.4	-16.8	-20.8	-25.4	-30.6
360 - NSR360	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.6	29.0	30.9	31.3	31.3	31.3	31.3	31.3
	Exceedance Level	-	-	-14.4	-11.0	-14.1	-13.7	-13.7	-13.9	-17.9	-22.1
361 - NSR361	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.1	28.5	30.4	30.7	30.7	30.7	30.7	30.7
	Exceedance Level	-	-	-19.9	-16.5	-14.6	-14.3	-17.7	-21.7	-26.3	-31.5
362 - NSR362	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.0	29.4	31.3	31.6	31.6	31.6	31.6	31.6
	Exceedance Level	-	-	-19.0	-15.6	-13.7	-13.4	-16.8	-20.8	-25.4	-30.6
363 - NSR363	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.1	27.5	29.4	29.7	29.7	29.7	29.7	29.7
	Exceedance Level	-	-	-20.9	-17.5	-15.6	-15.3	-15.3	-15.3	-18.0	-22.4
364 - NSR364	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.6	29.0	30.8	31.1	31.1	31.1	31.1	31.1
	Exceedance Level	-	-	-19.4	-16.0	-14.2	-13.9	-17.3	-21.3	-25.9	-31.1
365 - NSR365	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.2	28.6	30.5	30.7	30.7	30.7	30.7	30.7
	Exceedance Level	-	-	-19.8	-16.4	-14.5	-14.3	-17.7	-21.7	-26.3	-31.5
366 - NSR366	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.2	28.6	30.5	30.8	30.8	30.8	30.8	30.8
	Exceedance Level	-	-	-19.8	-16.4	-14.5	-14.2	-17.6	-21.6	-26.2	-31.4
367 - NSR367	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.3	28.8	30.6	30.9	30.9	30.9	30.9	30.9
	Exceedance Level	-	-	-14.7	-11.2	-14.4	-14.1	-14.1	-14.3	-18.3	-22.5
368 - NSR368	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.2	28.6	30.5	30.8	30.8	30.8	30.8	30.8
	Exceedance Level	-	-	-19.8	-16.4	-14.5	-14.2	-17.6	-21.6	-26.2	-31.4
369 - NSR369	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.0	27.4	29.3	29.6	29.6	29.6	29.6	29.6
	Exceedance Level	-	-	-21.0	-17.6	-15.7	-15.4	-15.4	-15.4	-18.1	-22.5
370 - NSR370	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.3	28.7	30.6	30.9	30.9	30.9	30.9	30.9
	Exceedance Level	-	-	-19.7	-16.3	-14.4	-14.1	-17.5	-21.5	-26.1	-31.3

Table A5.2 Total WEDG Noise Limits Compliance Table at NSRs – Daytime

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
371 - NSR371	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.9	29.3	31.2	31.5	31.5	31.5	31.5	31.5
	Exceedance Level	-	-	-19.1	-15.7	-13.8	-13.5	-16.9	-20.9	-25.5	-30.7
372 - NSR372	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.4	28.8	30.7	31.0	31.0	31.0	31.0	31.0
	Exceedance Level	-	-	-19.6	-16.2	-14.3	-14.0	-17.4	-21.4	-26.0	-31.2
373 - NSR373	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.3	28.7	30.6	30.9	30.9	30.9	30.9	30.9
	Exceedance Level	-	-	-19.7	-16.3	-14.4	-14.1	-17.5	-21.5	-26.1	-31.3
374 - NSR374	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.6	28.0	29.9	30.3	30.3	30.3	30.3	30.3
	Exceedance Level	-	-	-15.4	-12.0	-10.1	-14.7	-14.7	-14.7	-18.8	-24.0
375 - NSR375	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.3	28.7	30.6	30.9	30.9	30.9	30.9	30.9
	Exceedance Level	-	-	-19.7	-16.3	-14.4	-14.1	-17.5	-21.5	-26.1	-31.3
376 - NSR376	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.6	28.0	29.9	30.2	30.2	30.2	30.2	30.2
	Exceedance Level	-	-	-20.4	-17.0	-15.1	-14.8	-18.2	-22.2	-26.8	-32.0
377 - NSR377	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.7	28.1	30.0	30.3	30.3	30.3	30.3	30.3
	Exceedance Level	-	-	-20.3	-16.9	-15.0	-14.7	-18.1	-22.1	-26.7	-31.9
378 - NSR378	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.6	28.1	29.9	30.2	30.2	30.2	30.2	30.2
	Exceedance Level	-	-	-20.4	-16.9	-15.1	-14.8	-18.2	-22.2	-26.8	-32.0
379 - NSR379	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.7	28.1	30.0	30.3	30.3	30.3	30.3	30.3
	Exceedance Level	-	-	-20.3	-16.9	-15.0	-14.7	-18.1	-22.1	-26.7	-31.9
380 - NSR380	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.7	28.1	30.0	30.3	30.3	30.3	30.3	30.3
	Exceedance Level	-	-	-20.3	-16.9	-15.0	-14.7	-14.7	-14.7	-17.4	-21.8
381 - NSR381	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.0	28.4	30.3	30.6	30.6	30.6	30.6	30.6
	Exceedance Level	-	-	-20.0	-16.6	-14.7	-14.4	-17.8	-21.8	-26.4	-31.6
382 - NSR382	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.1	28.5	30.4	30.7	30.7	30.7	30.7	30.7
	Exceedance Level	-	-	-14.9	-11.5	-14.6	-14.3	-14.3	-14.5	-18.5	-22.7
383 - NSR383	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.5	28.9	30.8	31.1	31.1	31.1	31.1	31.1
	Exceedance Level	-	-	-14.5	-11.1	-14.2	-13.9	-13.9	-14.1	-18.1	-22.3
384 - NSR384	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.3	28.7	30.6	30.8	30.8	30.8	30.8	30.8
	Exceedance Level	-	-	-19.7	-16.3	-14.4	-14.2	-17.6	-21.6	-26.2	-31.4
385 - NSR385	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.3	27.7	29.6	29.9	29.9	29.9	29.9	29.9
	Exceedance Level	-	-	-20.7	-17.3	-15.4	-15.1	-18.5	-22.5	-27.1	-32.3
386 - NSR386	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.3	27.7	29.6	29.9	29.9	29.9	29.9	29.9
	Exceedance Level	-	-	-20.7	-17.3	-15.4	-15.1	-18.5	-22.5	-27.1	-32.3
387 - NSR387	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.0	28.4	30.3	30.6	30.6	30.6	30.6	30.6
	Exceedance Level	-	-	-20.0	-16.6	-14.7	-14.4	-17.8	-21.8	-26.4	-31.6
388 - NSR388	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.1	29.5	31.4	31.7	31.7	31.7	31.7	31.7
	Exceedance Level	-	-	-13.9	-10.5	-13.6	-13.3	-13.3	-13.3	-17.2	-22.9
389 - NSR389	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.9	29.3	31.1	31.4	31.4	31.4	31.4	31.4
	Exceedance Level	-	-	-19.1	-15.7	-13.9	-13.6	-17.0	-21.0	-25.6	-30.8
390 - NSR390	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	23.8	27.2	29.1	29.4	29.4	29.4	29.4	29.4
	Exceedance Level	-	-	-21.2	-17.8	-15.9	-15.6	-15.6	-15.6	-18.3	-22.7
391 - NSR391	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.4	27.8	29.7	29.9	29.9	29.9	29.9	29.9
	Exceedance Level	-	-	-20.6	-17.2	-15.3	-15.1	-18.5	-22.5	-27.1	-32.3
392 - NSR392	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.4	27.8	29.7	30.0	30.0	30.0	30.0	30.0
	Exceedance Level	-	-	-20.6	-17.2	-15.3	-15.0	-18.4	-22.4	-27.0	-32.2
393 - NSR393	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.3	27.7	29.6	29.9	29.9	29.9	29.9	29.9
	Exceedance Level	-	-	-20.7	-17.3	-15.4	-15.1	-18.5	-22.5	-27.1	-32.3
394 - NSR394	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.3	27.7	29.6	29.9	29.9	29.9	29.9	29.9
	Exceedance Level	-	-	-20.7	-17.3	-15.4	-15.1	-18.5	-22.5	-27.1	-32.3
395 - NSR395	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.3	27.7	29.6	29.9	29.9	29.9	29.9	29.9

Table A5.2 Total WEDG Noise Limits Compliance Table at NSRs – Daytime

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
	Exceedance Level	-	-	-20.7	-17.3	-15.4	-15.1	-18.5	-22.5	-27.1	-32.3
396 - NSR396	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	23.7	27.1	29.0	29.3	29.3	29.3	29.3	29.3
	Exceedance Level	-	-	-21.3	-17.9	-16.0	-15.7	-15.7	-15.7	-18.4	-22.8
397 - NSR397	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.5	28.9	30.8	31.1	31.1	31.1	31.1	31.1
	Exceedance Level	-	-	-14.5	-11.1	-14.2	-13.9	-13.9	-14.1	-18.1	-22.3
398 - NSR398	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	23.7	27.1	29.0	29.2	29.3	29.3	29.3	29.3
	Exceedance Level	-	-	-21.3	-17.9	-16.0	-15.8	-15.7	-15.7	-18.4	-22.8
399 - NSR399	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.6	28.0	29.9	30.2	30.2	30.2	30.2	30.2
	Exceedance Level	-	-	-20.4	-17.0	-15.1	-14.8	-14.8	-14.8	-17.5	-21.9
400 - NSR400	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.9	29.3	31.1	31.4	31.4	31.4	31.4	31.4
	Exceedance Level	-	-	-14.1	-10.7	-13.9	-13.6	-13.6	-13.6	-17.5	-23.2
401 - NSR401	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.8	29.2	31.1	31.4	31.4	31.4	31.4	31.4
	Exceedance Level	-	-	-14.2	-10.8	-13.9	-13.6	-13.6	-13.6	-17.5	-23.2
402 - NSR402	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.2	28.6	30.5	30.8	30.8	30.8	30.8	30.8
	Exceedance Level	-	-	-14.8	-11.4	-9.5	-14.2	-14.2	-14.2	-18.3	-23.5
403 - NSR403	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.9	29.3	31.2	31.5	31.5	31.5	31.5	31.5
	Exceedance Level	-	-	-14.1	-10.7	-13.8	-13.5	-13.5	-13.5	-17.4	-23.1
404 - NSR404	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.5	28.9	30.8	31.1	31.1	31.1	31.1	31.1
	Exceedance Level	-	-	-14.5	-11.1	-14.2	-13.9	-13.9	-14.1	-18.1	-22.3
405 - NSR405	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.4	28.8	30.7	31.0	31.0	31.0	31.0	31.0
	Exceedance Level	-	-	-14.6	-11.2	-14.3	-14.0	-14.0	-14.2	-18.2	-22.4
406 - NSR406	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.7	29.1	31.0	31.3	31.3	31.3	31.3	31.3
	Exceedance Level	-	-	-14.3	-10.9	-14.0	-13.7	-13.7	-13.7	-17.6	-23.3
407 - NSR407	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	23.5	26.9	28.8	29.1	29.1	29.1	29.1	29.1
	Exceedance Level	-	-	-21.5	-18.1	-16.2	-15.9	-15.9	-15.9	-18.6	-23.0
408 - NSR408	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.7	29.1	31.0	31.3	31.3	31.3	31.3	31.3
	Exceedance Level	-	-	-14.3	-10.9	-14.0	-13.7	-13.7	-13.7	-17.6	-23.3
409 - NSR409	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.4	28.8	30.7	31.0	31.0	31.0	31.0	31.0
	Exceedance Level	-	-	-14.6	-11.2	-14.3	-14.0	-14.0	-14.2	-18.2	-22.4
410 - NSR410	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	23.5	26.9	28.8	29.1	29.1	29.1	29.1	29.1
	Exceedance Level	-	-	-21.5	-18.1	-16.2	-15.9	-15.9	-15.9	-18.6	-23.0
411 - NSR411	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.5	27.9	29.8	30.1	30.1	30.1	30.1	30.1
	Exceedance Level	-	-	-15.5	-12.1	-15.2	-14.9	-14.9	-15.1	-19.1	-23.3
412 - NSR412	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.1	28.5	30.4	30.7	30.7	30.7	30.7	30.7
	Exceedance Level	-	-	-14.9	-11.5	-9.6	-14.3	-14.3	-14.3	-18.4	-23.6
413 - NSR413	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	23.4	26.8	28.7	29.0	29.0	29.0	29.0	29.0
	Exceedance Level	-	-	-21.6	-18.2	-16.3	-16.0	-16.0	-16.0	-18.7	-23.1
414 - NSR414	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.8	28.2	30.1	30.4	30.4	30.4	30.4	30.4
	Exceedance Level	-	-	-15.2	-11.8	-14.9	-14.6	-14.6	-14.8	-18.8	-23.0
415 - NSR415	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.1	28.5	30.4	30.6	30.6	30.6	30.6	30.6
	Exceedance Level	-	-	-19.9	-16.5	-14.6	-14.4	-14.4	-15.0	-18.7	-22.9
416 - NSR416	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	23.4	26.8	28.7	29.0	29.0	29.0	29.0	29.0
	Exceedance Level	-	-	-21.6	-18.2	-16.3	-16.0	-16.0	-16.0	-18.7	-23.1
417 - NSR417	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.1	28.5	30.4	30.7	30.7	30.7	30.7	30.7
	Exceedance Level	-	-	-14.9	-11.5	-9.6	-14.3	-14.3	-14.3	-18.4	-23.6
418 - NSR418	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.7	28.1	30.0	30.4	30.4	30.4	30.4	30.4
	Exceedance Level	-	-	-15.3	-11.9	-10.0	-14.6	-14.6	-14.6	-18.7	-23.9
419 - NSR419	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.1	28.5	30.4	30.7	30.7	30.7	30.7	30.7
	Exceedance Level	-	-	-14.9	-11.5	-9.6	-14.3	-14.3	-14.3	-18.4	-23.6
	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6

Table A5.2 Total WEDG Noise Limits Compliance Table at NSRs – Daytime

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
420 - NSR420	Cumulative Wind Turbine Noise LA90 dB	-	-	25.9	29.3	31.2	31.5	31.5	31.5	31.5	31.5
	Exceedance Level	-	-	-14.1	-10.7	-13.8	-13.5	-13.5	-13.5	-17.4	-23.1
421 - NSR421	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	23.3	26.7	28.6	28.9	28.9	28.9	28.9	28.9
	Exceedance Level	-	-	-21.7	-18.3	-16.4	-16.1	-16.1	-16.1	-18.8	-23.2
422 - NSR422	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.3	28.7	30.6	30.9	30.9	30.9	30.9	30.9
	Exceedance Level	-	-	-14.7	-11.3	-14.4	-14.1	-14.1	-14.3	-18.3	-22.5
423 - NSR423	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	23.3	26.7	28.6	28.9	28.9	28.9	28.9	28.9
	Exceedance Level	-	-	-21.7	-18.3	-16.4	-16.1	-16.1	-16.1	-18.8	-23.2
424 - NSR424	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.8	29.2	31.1	31.4	31.4	31.4	31.4	31.4
	Exceedance Level	-	-	-14.2	-10.8	-13.9	-13.6	-13.6	-13.6	-17.5	-23.2
425 - NSR425	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.4	27.8	29.7	30.0	30.0	30.0	30.0	30.0
	Exceedance Level	-	-	-15.6	-12.2	-10.3	-15.0	-15.0	-15.0	-19.1	-24.3
426 - NSR426	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.3	27.7	29.6	29.9	29.9	29.9	29.9	29.9
	Exceedance Level	-	-	-15.7	-12.3	-15.4	-15.1	-15.1	-15.3	-19.3	-23.5
427 - NSR427	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	23.4	26.8	28.7	29.0	29.0	29.0	29.0	29.0
	Exceedance Level	-	-	-21.6	-18.2	-16.3	-16.0	-16.0	-16.0	-18.7	-23.1
428 - NSR428	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.9	28.3	30.2	30.5	30.5	30.5	30.5	30.5
	Exceedance Level	-	-	-20.1	-16.7	-14.8	-14.5	-14.5	-15.1	-18.8	-23.0
429 - NSR429	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	23.2	26.6	28.5	28.8	28.8	28.8	28.8	28.8
	Exceedance Level	-	-	-21.8	-18.4	-16.5	-16.2	-16.2	-16.2	-18.9	-23.3
430 - NSR430	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.5	27.9	29.8	30.1	30.1	30.1	30.1	30.1
	Exceedance Level	-	-	-15.5	-12.1	-15.2	-14.9	-14.9	-15.1	-19.1	-23.3
431 - NSR431	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.3	28.7	30.6	30.9	30.9	30.9	30.9	30.9
	Exceedance Level	-	-	-14.7	-11.3	-14.4	-14.1	-14.1	-14.1	-18.0	-23.7
432 - NSR432	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.0	28.4	30.4	30.7	30.7	30.7	30.7	30.7
	Exceedance Level	-	-	-15.0	-11.6	-9.6	-14.3	-14.3	-14.3	-18.4	-23.6
433 - NSR433	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	23.2	26.6	28.5	28.8	28.8	28.8	28.8	28.8
	Exceedance Level	-	-	-21.8	-18.4	-16.5	-16.2	-16.2	-16.2	-18.9	-23.3
434 - NSR434	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.8	28.2	30.1	30.4	30.4	30.4	30.4	30.4
	Exceedance Level	-	-	-20.2	-16.8	-14.9	-14.6	-14.6	-15.2	-18.9	-23.1
435 - NSR435	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.4	28.8	30.7	31.0	31.0	31.0	31.0	31.0
	Exceedance Level	-	-	-19.6	-16.2	-14.3	-14.0	-14.0	-14.6	-18.3	-22.5
436 - NSR436	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.2	28.6	30.4	30.7	30.7	30.7	30.7	30.7
	Exceedance Level	-	-	-14.8	-11.4	-14.6	-14.3	-14.3	-14.3	-18.2	-23.9
437 - NSR437	Total WEDG Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.4	28.8	30.7	31.0	31.0	31.0	31.0	31.0
	Exceedance Level	-	-	-19.6	-16.2	-14.3	-14.0	-14.0	-14.6	-18.3	-22.5
438 - NSR438	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.9	28.3	30.2	30.5	30.5	30.5	30.5	30.5
	Exceedance Level	-	-	-15.1	-11.7	-14.8	-14.5	-14.5	-14.5	-18.4	-24.1
439 - NSR439	Total WEDG Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Cumulative Wind Turbine Noise LA90 dB	-	-	23.2	26.6	28.5	28.8	28.8	28.8	28.8	28.8
	Exceedance Level	-	-	-21.8	-18.4	-16.5	-16.2	-16.2	-16.2	-18.9	-23.3

Table A5.3 Total WEDG Noise Limits Compliance Table at NSRs – Night-time

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
1 - NSR17 (NAL1)	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Cumulative Wind Turbine Noise L_{A90} dB	-	-	31.6	35.1	36.9	37.2	37.2	37.2	37.2	37.2
	Exceedance Level	-	-	-11.4	-7.9	-6.1	-5.8	-5.8	-5.8	-11.6	-18.0
2 - NSR3 (NAL10)	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.4	46.0	49.4	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	34.9	38.3	40.2	40.4	40.4	40.4	40.4	40.4
	Exceedance Level	-	-	-8.1	-4.7	-2.8	-2.6	-3.0	-5.6	-9.0	-13.0
3 - NSR16 (NAL2)	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	34.7	38.1	39.9	40.2	40.2	40.2	40.2	40.2
	Exceedance Level	-	-	-8.3	-4.9	-3.1	-2.8	-2.8	-4.3	-9.2	-14.1
4 - NSR6 (NAL3)	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	34.4	37.8	39.7	40.0	40.0	40.0	40.0	40.0
	Exceedance Level	-	-	-8.6	-5.2	-3.3	-3.0	-3.0	-4.5	-9.4	-14.3
5 - NSR1 (NAL4)	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	35.4	38.8	40.7	41.0	41.0	41.0	41.0	41.0
	Exceedance Level	-	-	-7.6	-4.2	-2.3	-2.0	-2.0	-2.9	-6.8	-11.3
6 - NSR15 (NAL5)	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	35.5	38.9	40.8	41.1	41.1	41.1	41.1	41.1
	Exceedance Level	-	-	-7.5	-4.1	-2.2	-1.9	-4.2	-9.6	-15.7	-22.4
7 - NSR10 (NAL6)	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	35.1	38.6	40.4	40.7	40.7	40.7	40.7	40.7
	Exceedance Level	-	-	-7.9	-4.4	-2.6	-2.3	-4.6	-10.0	-16.1	-22.8
8 - NSR31 (NAL7)	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.9	34.3	36.2	36.5	36.5	36.5	36.5	36.5
	Exceedance Level	-	-	-12.1	-8.7	-6.8	-6.5	-6.5	-6.5	-8.4	-12.7
9 - NSR4 (NAL8)	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	33.6	37.0	38.9	39.1	39.1	39.1	39.1	39.1
	Exceedance Level	-	-	-9.4	-6.0	-4.1	-3.9	-3.9	-3.9	-5.8	-10.1
10 - NSR5 (NAL9)	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	35.1	38.5	40.4	40.7	40.7	40.7	40.7	40.7
	Exceedance Level	-	-	-7.9	-4.5	-2.6	-2.3	-2.3	-2.3	-6.0	-11.5
11 - NSR2	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	33.9	37.3	39.1	39.4	39.4	39.4	39.4	39.4
	Exceedance Level	-	-	-9.1	-5.7	-3.9	-3.6	-3.6	-5.1	-10.0	-14.9
12 - NSR7	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	33.9	37.3	39.2	39.5	39.5	39.5	39.5	39.5
	Exceedance Level	-	-	-9.1	-5.7	-3.8	-3.5	-3.5	-5.0	-9.9	-14.8
13 - NSR9	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	34.4	37.8	39.7	40.0	40.0	40.0	40.0	40.0
	Exceedance Level	-	-	-8.6	-5.2	-3.3	-3.0	-3.0	-4.5	-9.4	-14.3
14 - NSR8	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	35.1	38.5	40.4	40.7	40.7	40.7	40.7	40.7
	Exceedance Level	-	-	-7.9	-4.5	-2.6	-2.3	-2.3	-3.2	-7.1	-11.6
15 - NSR32	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.9	34.3	36.2	36.4	36.4	36.4	36.4	36.4
	Exceedance Level	-	-	-12.1	-8.7	-6.8	-6.6	-6.6	-6.6	-8.5	-12.8
16 - NSR41	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.6	34.0	35.9	36.2	36.2	36.2	36.2	36.2
	Exceedance Level	-	-	-12.4	-9.0	-7.1	-6.8	-6.8	-6.8	-8.7	-13.0
17 - NSR12	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	33.4	36.9	38.7	39.0	39.0	39.0	39.0	39.0
	Exceedance Level	-	-	-9.6	-6.1	-4.3	-4.0	-4.0	-5.5	-10.4	-15.3
18 - NSR14	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	33.7	37.1	39.0	39.3	39.3	39.3	39.3	39.3
	Exceedance Level	-	-	-9.3	-5.9	-4.0	-3.7	-3.7	-5.2	-10.1	-15.0
19 - NSR13	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	33.9	37.3	39.2	39.5	39.5	39.5	39.5	39.5
	Exceedance Level	-	-	-9.1	-5.7	-3.8	-3.5	-3.5	-5.0	-9.9	-14.8
20 - NSR44	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.4	33.8	35.7	36.0	36.0	36.0	36.0	36.0
	Exceedance Level	-	-	-12.6	-9.2	-7.3	-7.0	-7.0	-7.0	-8.9	-13.2
21 - NSR11	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	34.8	38.3	40.1	40.4	40.4	40.4	40.4	40.4
	Exceedance Level	-	-	-8.2	-4.7	-2.9	-2.6	-2.6	-2.6	-6.3	-11.8
22 - NSR19	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	33.0	36.4	38.3	38.6	38.6	38.6	38.6	38.6
	Exceedance Level	-	-	-10.0	-6.6	-4.7	-4.4	-4.4	-5.9	-10.8	-15.7
23 - NSR18	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.4	46.0	49.4	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	34.0	37.4	39.2	39.5	39.5	39.5	39.5	39.5
	Exceedance Level	-	-	-9.0	-5.6	-3.8	-3.5	-3.9	-6.5	-9.9	-13.9
24 - NSR20	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	34.7	38.1	40.0	40.3	40.3	40.3	40.3	40.3
	Exceedance Level	-	-	-8.3	-4.9	-3.0	-2.7	-2.7	-3.6	-7.5	-12.0
25 - NSR21	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.4	46.0	49.4	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	33.8	37.2	39.1	39.4	39.4	39.4	39.4	39.4

Table A5.3 Total WEDG Noise Limits Compliance Table at NSRs – Night-time

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
	Exceedance Level	-	-	-9.2	-5.8	-3.9	-3.6	-4.0	-6.6	-10.0	-14.0
26 - NSR22	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	34.7	38.1	40.0	40.3	40.3	40.3	40.3	40.3
	Exceedance Level	-	-	-8.3	-4.9	-3.0	-2.7	-5.0	-10.4	-16.5	-23.2
27 - NSR69	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.6	33.1	34.9	35.2	35.2	35.2	35.2	35.2
	Exceedance Level	-	-	-13.4	-9.9	-8.1	-7.8	-7.8	-7.8	-9.7	-14.0
28 - NSR81	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.3	32.7	34.6	34.9	34.9	34.9	34.9	34.9
	Exceedance Level	-	-	-13.7	-10.3	-8.4	-8.1	-8.1	-8.1	-10.0	-14.3
29 - NSR99	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.0	32.4	34.3	34.6	34.6	34.6	34.6	34.6
	Exceedance Level	-	-	-14.0	-10.6	-8.7	-8.4	-8.4	-8.4	-10.3	-14.6
30 - NSR86	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.3	32.7	34.6	34.8	34.8	34.8	34.8	34.8
	Exceedance Level	-	-	-13.7	-10.3	-8.4	-8.2	-8.2	-8.2	-10.1	-14.4
31 - NSR55	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.0	33.5	35.3	35.6	35.6	35.6	35.6	35.6
	Exceedance Level	-	-	-13.0	-9.5	-7.7	-7.4	-7.4	-7.4	-9.3	-13.6
32 - NSR27	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	33.0	36.4	38.3	38.6	38.6	38.6	38.6	38.6
	Exceedance Level	-	-	-10.0	-6.6	-4.7	-4.4	-4.4	-5.9	-10.8	-15.7
33 - NSR26	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	32.2	35.6	37.5	37.8	37.8	37.8	37.8	37.8
	Exceedance Level	-	-	-10.8	-7.4	-5.5	-5.2	-5.2	-6.1	-10.0	-14.5
34 - NSR24	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	31.2	34.7	36.5	36.8	36.8	36.8	36.8	36.8
	Exceedance Level	-	-	-11.8	-8.3	-6.5	-6.2	-6.2	-6.2	-12.0	-18.4
35 - NSR95	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.9	32.3	34.2	34.5	34.5	34.5	34.5	34.5
	Exceedance Level	-	-	-14.1	-10.7	-8.8	-8.5	-8.5	-8.5	-10.4	-14.7
36 - NSR28	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	33.4	36.8	38.6	38.9	38.9	38.9	38.9	38.9
	Exceedance Level	-	-	-9.6	-6.2	-4.4	-4.1	-4.1	-5.0	-8.9	-13.4
37 - NSR83	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.3	32.7	34.6	34.9	34.9	34.9	34.9	34.9
	Exceedance Level	-	-	-13.7	-10.3	-8.4	-8.1	-8.1	-8.1	-10.0	-14.3
38 - NSR30	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	33.5	36.9	38.8	39.1	39.1	39.1	39.1	39.1
	Exceedance Level	-	-	-9.5	-6.1	-4.2	-3.9	-3.9	-3.9	-7.6	-13.1
39 - NSR25	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	31.0	34.4	36.3	36.6	36.6	36.6	36.6	36.6
	Exceedance Level	-	-	-12.0	-8.6	-6.7	-6.4	-6.4	-6.4	-12.2	-18.6
40 - NSR34	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	32.1	35.5	37.4	37.7	37.7	37.7	37.7	37.7
	Exceedance Level	-	-	-10.9	-7.5	-5.6	-5.3	-5.3	-6.8	-11.7	-16.6
41 - NSR105	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.7	32.1	34.0	34.3	34.3	34.3	34.3	34.3
	Exceedance Level	-	-	-14.3	-10.9	-9.0	-8.7	-8.7	-8.7	-10.6	-14.9
42 - NSR33	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	33.7	37.1	39.0	39.3	39.3	39.3	39.3	39.3
	Exceedance Level	-	-	-9.3	-5.9	-4.0	-3.7	-3.7	-3.7	-7.4	-12.9
43 - NSR97	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.9	32.3	34.2	34.5	34.5	34.5	34.5	34.5
	Exceedance Level	-	-	-14.1	-10.7	-8.8	-8.5	-8.5	-8.5	-10.4	-14.7
44 - NSR87	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.2	32.6	34.5	34.8	34.8	34.8	34.8	34.8
	Exceedance Level	-	-	-13.8	-10.4	-8.5	-8.2	-8.2	-8.2	-10.1	-14.4
45 - NSR35	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	33.8	37.3	39.1	39.4	39.4	39.4	39.4	39.4
	Exceedance Level	-	-	-9.2	-5.7	-3.9	-3.6	-5.9	-11.3	-17.4	-24.1
46 - NSR36	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	33.3	36.7	38.6	38.8	38.8	38.8	38.8	38.8
	Exceedance Level	-	-	-9.7	-6.3	-4.4	-4.2	-4.2	-4.2	-7.9	-13.4
47 - NSR37	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	33.4	36.8	38.7	39.0	39.0	39.0	39.0	39.0
	Exceedance Level	-	-	-9.6	-6.2	-4.3	-4.0	-4.0	-4.9	-8.8	-13.3
48 - NSR72	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.7	33.1	35.0	35.2	35.2	35.2	35.2	35.2
	Exceedance Level	-	-	-13.3	-9.9	-8.0	-7.8	-7.8	-7.8	-9.7	-14.0
49 - NSR38	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	33.6	37.0	38.9	39.2	39.2	39.2	39.2	39.2
	Exceedance Level	-	-	-9.4	-6.0	-4.1	-3.8	-3.8	-3.8	-7.5	-13.0
	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2

Table A5.3 Total WEDG Noise Limits Compliance Table at NSRs – Night-time

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
50 - NSR49	Cumulative Wind Turbine Noise LA90 dB	-	-	33.2	36.6	38.5	38.8	38.8	38.8	38.8	38.8
	Exceedance Level	-	-	-9.8	-6.4	-4.5	-4.2	-4.2	-4.2	-7.9	-13.4
51 - NSR40	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	33.0	36.4	38.3	38.6	38.6	38.6	38.6	38.6
	Exceedance Level	-	-	-10.0	-6.6	-4.7	-4.4	-4.4	-5.3	-9.2	-13.7
52 - NSR43	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	33.5	36.9	38.8	39.1	39.1	39.1	39.1	39.1
	Exceedance Level	-	-	-9.5	-6.1	-4.2	-3.9	-6.2	-11.6	-17.7	-24.4
53 - NSR29	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	32.1	35.5	37.3	37.6	37.6	37.6	37.6	37.6
	Exceedance Level	-	-	-10.9	-7.5	-5.7	-5.4	-5.4	-6.9	-11.8	-16.7
54 - NSR39	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.4	33.8	35.6	35.9	35.9	35.9	35.9	35.9
	Exceedance Level	-	-	-12.6	-9.2	-7.4	-7.1	-7.1	-7.1	-12.9	-19.3
55 - NSR47	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	33.3	36.7	38.5	38.8	38.8	38.8	38.8	38.8
	Exceedance Level	-	-	-9.7	-6.3	-4.5	-4.2	-4.2	-5.1	-9.0	-13.5
56 - NSR50	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	32.7	36.2	38.0	38.3	38.3	38.3	38.3	38.3
	Exceedance Level	-	-	-10.3	-6.8	-5.0	-4.7	-4.7	-4.7	-8.4	-13.9
57 - NSR58	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	32.0	35.4	37.3	37.6	37.6	37.6	37.6	37.6
	Exceedance Level	-	-	-11.0	-7.6	-5.7	-5.4	-5.4	-6.9	-11.8	-16.7
58 - NSR53	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	33.2	36.6	38.4	38.7	38.7	38.7	38.7	38.7
	Exceedance Level	-	-	-9.8	-6.4	-4.6	-4.3	-6.6	-12.0	-18.1	-24.8
59 - NSR56	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	31.0	34.4	36.3	36.6	36.6	36.6	36.6	36.6
	Exceedance Level	-	-	-12.0	-8.6	-6.7	-6.4	-6.4	-7.3	-11.2	-15.7
60 - NSR64	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	32.0	35.4	37.3	37.6	37.6	37.6	37.6	37.6
	Exceedance Level	-	-	-11.0	-7.6	-5.7	-5.4	-5.4	-6.9	-11.8	-16.7
61 - NSR129	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.0	31.4	33.3	33.5	33.5	33.5	33.5	33.5
	Exceedance Level	-	-	-15.0	-11.6	-9.7	-9.5	-9.5	-9.5	-11.4	-15.7
62 - NSR46	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.0	33.4	35.3	35.5	35.5	35.5	35.5	35.5
	Exceedance Level	-	-	-13.0	-9.6	-7.7	-7.5	-7.5	-7.5	-13.3	-19.7
63 - NSR42	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	31.8	35.2	37.1	37.4	37.4	37.4	37.4	37.4
	Exceedance Level	-	-	-11.2	-7.8	-5.9	-5.6	-5.6	-7.1	-12.0	-16.9
64 - NSR45	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.9	33.4	35.2	35.5	35.5	35.5	35.5	35.5
	Exceedance Level	-	-	-13.1	-9.6	-7.8	-7.5	-7.5	-7.5	-13.3	-19.7
65 - NSR67	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	32.7	36.1	38.0	38.3	38.3	38.3	38.3	38.3
	Exceedance Level	-	-	-10.3	-6.9	-5.0	-4.7	-4.7	-5.6	-9.5	-14.0
66 - NSR79	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.7	33.1	35.0	35.3	35.3	35.3	35.3	35.3
	Exceedance Level	-	-	-13.3	-9.9	-8.0	-7.7	-7.7	-7.7	-9.6	-13.9
67 - NSR54	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.8	33.2	35.1	35.4	35.4	35.4	35.4	35.4
	Exceedance Level	-	-	-13.2	-9.8	-7.9	-7.6	-7.6	-7.6	-13.4	-19.8
68 - NSR60	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.8	33.2	35.1	35.4	35.4	35.4	35.4	35.4
	Exceedance Level	-	-	-13.2	-9.8	-7.9	-7.6	-7.6	-7.6	-13.4	-19.8
69 - NSR52	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.8	33.2	35.1	35.4	35.4	35.4	35.4	35.4
	Exceedance Level	-	-	-13.2	-9.8	-7.9	-7.6	-7.6	-7.6	-13.4	-19.8
70 - NSR62	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.8	33.2	35.0	35.3	35.3	35.3	35.3	35.3
	Exceedance Level	-	-	-13.2	-9.8	-8.0	-7.7	-7.7	-7.7	-13.5	-19.9
71 - NSR66	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.7	33.2	35.0	35.3	35.3	35.3	35.3	35.3
	Exceedance Level	-	-	-13.3	-9.8	-8.0	-7.7	-7.7	-7.7	-13.5	-19.9
72 - NSR68	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.7	33.1	35.0	35.3	35.3	35.3	35.3	35.3
	Exceedance Level	-	-	-13.3	-9.9	-8.0	-7.7	-7.7	-7.7	-13.5	-19.9
73 - NSR71	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	32.4	35.9	37.7	38.0	38.0	38.0	38.0	38.0
	Exceedance Level	-	-	-10.6	-7.1	-5.3	-5.0	-5.0	-5.9	-9.8	-14.3
74 - NSR57	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.7	33.1	35.0	35.3	35.3	35.3	35.3	35.3
	Exceedance Level	-	-	-13.3	-9.9	-8.0	-7.7	-7.7	-7.7	-13.5	-19.9

Table A5.3 Total WEDG Noise Limits Compliance Table at NSRs – Night-time

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
75 - NSR73	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.6	33.0	34.9	35.1	35.1	35.1	35.1	35.1
	Exceedance Level	-	-	-13.4	-10.0	-8.1	-7.9	-7.9	-7.9	-13.7	-20.1
76 - NSR75	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	32.0	35.4	37.3	37.6	37.6	37.6	37.6	37.6
	Exceedance Level	-	-	-11.0	-7.6	-5.7	-5.4	-7.7	-13.1	-19.2	-25.9
77 - NSR160	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.6	31.0	32.9	33.1	33.1	33.1	33.1	33.1
	Exceedance Level	-	-	-15.4	-12.0	-10.1	-9.9	-9.9	-9.9	-11.8	-16.1
78 - NSR77	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	32.1	35.6	37.4	37.7	37.7	37.7	37.7	37.7
	Exceedance Level	-	-	-10.9	-7.4	-5.6	-5.3	-5.3	-5.3	-9.0	-14.5
79 - NSR78	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	32.2	35.6	37.5	37.8	37.8	37.8	37.8	37.8
	Exceedance Level	-	-	-10.8	-7.4	-5.5	-5.2	-7.5	-12.9	-19.0	-25.7
80 - NSR84	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.9	34.3	36.2	36.5	36.5	36.5	36.5	36.5
	Exceedance Level	-	-	-12.1	-8.7	-6.8	-6.5	-6.5	-8.0	-12.9	-17.8
81 - NSR59	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	31.9	35.3	37.2	37.5	37.5	37.5	37.5	37.5
	Exceedance Level	-	-	-11.1	-7.7	-5.8	-5.5	-5.5	-7.0	-11.9	-16.8
82 - NSR74	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.4	32.8	34.7	35.0	35.0	35.0	35.0	35.0
	Exceedance Level	-	-	-13.6	-10.2	-8.3	-8.0	-8.0	-8.0	-13.8	-20.2
83 - NSR61	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.6	34.0	35.9	36.2	36.2	36.2	36.2	36.2
	Exceedance Level	-	-	-12.4	-9.0	-7.1	-6.8	-6.8	-8.3	-13.2	-18.1
84 - NSR92	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.3	32.7	34.6	34.8	34.8	34.8	34.8	34.8
	Exceedance Level	-	-	-13.7	-10.3	-8.4	-8.2	-8.2	-8.2	-10.1	-14.4
85 - NSR80	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.4	32.8	34.6	34.9	34.9	34.9	34.9	34.9
	Exceedance Level	-	-	-13.6	-10.2	-8.4	-8.1	-8.1	-8.1	-13.9	-20.3
86 - NSR63	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.7	34.1	36.0	36.3	36.3	36.3	36.3	36.3
	Exceedance Level	-	-	-12.3	-8.9	-7.0	-6.7	-6.7	-8.2	-13.1	-18.0
87 - NSR76	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	32.1	35.5	37.4	37.6	37.6	37.6	37.6	37.6
	Exceedance Level	-	-	-10.9	-7.5	-5.6	-5.4	-5.4	-6.3	-10.2	-14.7
88 - NSR70	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.3	32.7	34.6	34.8	34.8	34.8	34.8	34.8
	Exceedance Level	-	-	-13.7	-10.3	-8.4	-8.2	-8.2	-8.2	-14.0	-20.4
89 - NSR91	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	32.2	35.6	37.5	37.7	37.7	37.7	37.7	37.7
	Exceedance Level	-	-	-10.8	-7.4	-5.5	-5.3	-5.3	-6.2	-10.1	-14.6
90 - NSR90	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.1	32.5	34.4	34.7	34.7	34.7	34.7	34.7
	Exceedance Level	-	-	-13.9	-10.5	-8.6	-8.3	-8.3	-8.3	-14.1	-20.5
91 - NSR51	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	31.5	35.0	36.8	37.1	37.1	37.1	37.1	37.1
	Exceedance Level	-	-	-11.5	-8.0	-6.2	-5.9	-8.2	-13.6	-19.7	-26.4
92 - NSR96	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.5	33.9	35.8	36.1	36.1	36.1	36.1	36.1
	Exceedance Level	-	-	-12.5	-9.1	-7.2	-6.9	-6.9	-8.4	-13.3	-18.2
93 - NSR94	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	32.0	35.5	37.3	37.6	37.6	37.6	37.6	37.6
	Exceedance Level	-	-	-11.0	-7.5	-5.7	-5.4	-7.7	-13.1	-19.2	-25.9
94 - NSR85	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.0	32.4	34.3	34.6	34.6	34.6	34.6	34.6
	Exceedance Level	-	-	-14.0	-10.6	-8.7	-8.4	-8.4	-8.4	-14.2	-20.6
95 - NSR108	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.0	32.4	34.3	34.5	34.5	34.5	34.5	34.5
	Exceedance Level	-	-	-14.0	-10.6	-8.7	-8.5	-8.5	-8.5	-10.4	-14.7
96 - NSR100	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	31.6	35.0	36.8	37.1	37.1	37.1	37.1	37.1
	Exceedance Level	-	-	-11.4	-8.0	-6.2	-5.9	-5.9	-5.9	-9.6	-15.1
97 - NSR98	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.9	32.4	34.2	34.5	34.5	34.5	34.5	34.5
	Exceedance Level	-	-	-14.1	-10.6	-8.8	-8.5	-8.5	-8.5	-14.3	-20.7
98 - NSR88	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.9	32.3	34.2	34.4	34.4	34.4	34.4	34.4
	Exceedance Level	-	-	-14.1	-10.7	-8.8	-8.6	-8.6	-8.6	-14.4	-20.8
99 - NSR143	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.9	33.3	35.1	35.4	35.4	35.4	35.4	35.4

Table A5.3 Total WEDG Noise Limits Compliance Table at NSRs – Night-time

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
	Exceedance Level	-	-	-13.1	-9.7	-7.9	-7.6	-7.6	-7.6	-11.3	-16.8
100 - NSR104	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.4	46.0	49.4	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	31.3	34.7	36.6	36.8	36.8	36.8	36.8	36.8
	Exceedance Level	-	-	-11.7	-8.3	-6.4	-6.2	-6.6	-9.2	-12.6	-16.6
101 - NSR112	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.8	32.2	34.0	34.3	34.3	34.3	34.3	34.3
	Exceedance Level	-	-	-14.2	-10.8	-9.0	-8.7	-8.7	-8.7	-10.6	-14.9
102 - NSR206	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.1	30.5	32.4	32.6	32.6	32.6	32.6	32.6
	Exceedance Level	-	-	-15.9	-12.5	-10.6	-10.4	-10.4	-10.4	-12.3	-16.6
103 - NSR106	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.4	46.0	49.4	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	31.6	35.0	36.8	37.1	37.1	37.1	37.1	37.1
	Exceedance Level	-	-	-11.4	-8.0	-6.2	-5.9	-6.3	-8.9	-12.3	-16.3
104 - NSR93	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.7	32.1	33.9	34.2	34.2	34.2	34.2	34.2
	Exceedance Level	-	-	-14.3	-10.9	-9.1	-8.8	-8.8	-8.8	-14.6	-21.0
105 - NSR212	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.8	30.3	32.1	32.4	32.4	32.4	32.4	32.4
	Exceedance Level	-	-	-16.2	-12.7	-10.9	-10.6	-10.6	-10.6	-12.5	-16.8
106 - NSR110	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	31.2	34.7	36.5	36.8	36.8	36.8	36.8	36.8
	Exceedance Level	-	-	-11.8	-8.3	-6.5	-6.2	-6.2	-6.2	-9.9	-15.4
107 - NSR109	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.6	32.0	33.9	34.2	34.2	34.2	34.2	34.2
	Exceedance Level	-	-	-14.4	-11.0	-9.1	-8.8	-8.8	-8.8	-14.6	-21.0
108 - NSR216	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.8	30.2	32.1	32.4	32.4	32.4	32.4	32.4
	Exceedance Level	-	-	-16.2	-12.8	-10.9	-10.6	-10.6	-10.6	-12.5	-16.8
109 - NSR102	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.5	31.9	33.8	34.1	34.1	34.1	34.1	34.1
	Exceedance Level	-	-	-14.5	-11.1	-9.2	-8.9	-8.9	-8.9	-14.7	-21.1
110 - NSR107	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.8	34.3	36.1	36.4	36.4	36.4	36.4	36.4
	Exceedance Level	-	-	-12.2	-8.7	-6.9	-6.6	-8.9	-14.3	-20.4	-27.1
111 - NSR103	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.5	31.9	33.8	34.1	34.1	34.1	34.1	34.1
	Exceedance Level	-	-	-14.5	-11.1	-9.2	-8.9	-8.9	-8.9	-14.7	-21.1
112 - NSR113	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.4	46.0	49.4	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	31.2	34.7	36.5	36.8	36.8	36.8	36.8	36.8
	Exceedance Level	-	-	-11.8	-8.3	-6.5	-6.2	-6.6	-9.2	-12.6	-16.6
113 - NSR118	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.8	32.2	34.0	34.3	34.3	34.3	34.3	34.3
	Exceedance Level	-	-	-14.2	-10.8	-9.0	-8.7	-8.7	-8.7	-14.5	-20.9
114 - NSR115	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.4	46.0	49.4	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.9	34.3	36.2	36.5	36.5	36.5	36.5	36.5
	Exceedance Level	-	-	-12.1	-8.7	-6.8	-6.5	-6.9	-9.5	-12.9	-16.9
115 - NSR101	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.6	34.0	35.9	36.2	36.2	36.2	36.2	36.2
	Exceedance Level	-	-	-12.4	-9.0	-7.1	-6.8	-9.1	-14.5	-20.6	-27.3
116 - NSR117	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.4	31.8	33.7	34.0	34.0	34.0	34.0	34.0
	Exceedance Level	-	-	-14.6	-11.2	-9.3	-9.0	-9.0	-9.0	-14.8	-21.2
117 - NSR119	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.4	46.0	49.4	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.7	34.1	36.0	36.3	36.3	36.3	36.3	36.3
	Exceedance Level	-	-	-12.3	-8.9	-7.0	-6.7	-7.1	-9.7	-13.1	-17.1
118 - NSR120	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.7	34.1	36.0	36.2	36.2	36.2	36.2	36.2
	Exceedance Level	-	-	-12.3	-8.9	-7.0	-6.8	-9.1	-14.5	-20.6	-27.3
119 - NSR111	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.5	33.9	35.7	36.0	36.0	36.0	36.0	36.0
	Exceedance Level	-	-	-12.5	-9.1	-7.3	-7.0	-9.3	-14.7	-20.8	-27.5
120 - NSR122	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.5	33.9	35.8	36.1	36.1	36.1	36.1	36.1
	Exceedance Level	-	-	-12.5	-9.1	-7.2	-6.9	-9.2	-14.6	-20.7	-27.4
121 - NSR121	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.4	33.8	35.7	36.0	36.0	36.0	36.0	36.0
	Exceedance Level	-	-	-12.6	-9.2	-7.3	-7.0	-9.3	-14.7	-20.8	-27.5
122 - NSR125	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.6	34.0	35.9	36.2	36.2	36.2	36.2	36.2
	Exceedance Level	-	-	-12.4	-9.0	-7.1	-6.8	-9.1	-14.5	-20.6	-27.3
123 - NSR127	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.5	33.9	35.7	36.0	36.0	36.0	36.0	36.0
	Exceedance Level	-	-	-12.5	-9.1	-7.3	-7.0	-7.0	-7.9	-11.8	-16.3
	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5

Table A5.3 Total WEDG Noise Limits Compliance Table at NSRs – Night-time

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
124 - NSR130	Cumulative Wind Turbine Noise LA90 dB	-	-	30.4	33.8	35.7	35.9	35.9	35.9	35.9	35.9
	Exceedance Level	-	-	-12.6	-9.2	-7.3	-7.1	-9.4	-14.8	-20.9	-27.6
125 - NSR215	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.6	30.0	31.9	32.2	32.2	32.2	32.2	32.2
	Exceedance Level	-	-	-16.4	-13.0	-11.1	-10.8	-10.8	-10.8	-12.7	-17.0
126 - NSR134	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.6	34.0	35.9	36.2	36.2	36.2	36.2	36.2
	Exceedance Level	-	-	-12.4	-9.0	-7.1	-6.8	-6.8	-6.8	-10.5	-16.0
127 - NSR136	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.4	33.8	35.7	35.9	35.9	35.9	35.9	35.9
	Exceedance Level	-	-	-12.6	-9.2	-7.3	-7.1	-9.4	-14.8	-20.9	-27.6
128 - NSR133	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.1	31.5	33.3	33.6	33.6	33.6	33.6	33.6
	Exceedance Level	-	-	-14.9	-11.5	-9.7	-9.4	-9.4	-9.4	-15.2	-21.6
129 - NSR135	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.1	31.5	33.4	33.6	33.6	33.6	33.6	33.6
	Exceedance Level	-	-	-14.9	-11.5	-9.6	-9.4	-9.4	-9.4	-15.2	-21.6
130 - NSR138	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.6	34.0	35.9	36.1	36.1	36.1	36.1	36.1
	Exceedance Level	-	-	-12.4	-9.0	-7.1	-6.9	-6.9	-6.9	-10.6	-16.1
131 - NSR116	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.7	32.1	34.0	34.3	34.3	34.3	34.3	34.3
	Exceedance Level	-	-	-14.3	-10.9	-9.0	-8.7	-8.7	-10.2	-15.1	-20.0
132 - NSR124	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.7	32.1	34.0	34.3	34.3	34.3	34.3	34.3
	Exceedance Level	-	-	-14.3	-10.9	-9.0	-8.7	-11.0	-16.4	-22.5	-29.2
133 - NSR123	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.8	32.2	34.1	34.4	34.4	34.4	34.4	34.4
	Exceedance Level	-	-	-14.2	-10.8	-8.9	-8.6	-10.9	-16.3	-22.4	-29.1
134 - NSR139	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.5	33.9	35.8	36.1	36.1	36.1	36.1	36.1
	Exceedance Level	-	-	-12.5	-9.1	-7.2	-6.9	-9.2	-14.6	-20.7	-27.4
135 - NSR149	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.2	31.6	33.5	33.8	33.8	33.8	33.8	33.8
	Exceedance Level	-	-	-14.8	-11.4	-9.5	-9.2	-9.2	-9.2	-15.0	-21.4
136 - NSR241	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.4	29.8	31.7	32.0	32.0	32.0	32.0	32.0
	Exceedance Level	-	-	-16.6	-13.2	-11.3	-11.0	-11.0	-11.0	-12.9	-17.2
137 - NSR142	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.8	32.2	34.1	34.4	34.4	34.4	34.4	34.4
	Exceedance Level	-	-	-14.2	-10.8	-8.9	-8.6	-8.6	-9.5	-13.4	-17.9
138 - NSR141	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.0	31.4	33.3	33.6	33.6	33.6	33.6	33.6
	Exceedance Level	-	-	-15.0	-11.6	-9.7	-9.4	-9.4	-9.4	-15.2	-21.6
139 - NSR126	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.7	32.1	34.0	34.3	34.3	34.3	34.3	34.3
	Exceedance Level	-	-	-14.3	-10.9	-9.0	-8.7	-11.0	-16.4	-22.5	-29.2
140 - NSR145	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.5	32.9	34.8	35.1	35.1	35.1	35.1	35.1
	Exceedance Level	-	-	-13.5	-10.1	-8.2	-7.9	-7.9	-8.8	-12.7	-17.2
141 - NSR146	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.6	32.0	33.9	34.2	34.2	34.2	34.2	34.2
	Exceedance Level	-	-	-14.4	-11.0	-9.1	-8.8	-8.8	-10.3	-15.2	-20.1
142 - NSR147	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.4	46.0	49.4	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.3	33.7	35.6	35.9	35.9	35.9	35.9	35.9
	Exceedance Level	-	-	-12.7	-9.3	-7.4	-7.1	-7.5	-10.1	-13.5	-17.5
143 - NSR150	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.8	32.2	34.1	34.4	34.4	34.4	34.4	34.4
	Exceedance Level	-	-	-14.2	-10.8	-8.9	-8.6	-8.6	-9.5	-13.4	-17.9
144 - NSR151	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.4	33.8	35.7	36.0	36.0	36.0	36.0	36.0
	Exceedance Level	-	-	-12.6	-9.2	-7.3	-7.0	-9.3	-14.7	-20.8	-27.5
145 - NSR152	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.6	32.0	33.9	34.2	34.2	34.2	34.2	34.2
	Exceedance Level	-	-	-14.4	-11.0	-9.1	-8.8	-8.8	-10.3	-15.2	-20.1
146 - NSR153	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.9	31.3	33.2	33.5	33.5	33.5	33.5	33.5
	Exceedance Level	-	-	-15.1	-11.7	-9.8	-9.5	-9.5	-9.5	-15.3	-21.7
147 - NSR154	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.2	32.6	34.5	34.8	34.8	34.8	34.8	34.8
	Exceedance Level	-	-	-13.8	-10.4	-8.5	-8.2	-8.2	-9.1	-13.0	-17.5
148 - NSR225	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.4	29.8	31.7	32.0	32.0	32.0	32.0	32.0
	Exceedance Level	-	-	-16.6	-13.2	-11.3	-11.0	-11.0	-11.0	-12.9	-17.2

Table A5.3 Total WEDG Noise Limits Compliance Table at NSRs – Night-time

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
149 - NSR155	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.5	31.9	33.8	34.1	34.1	34.1	34.1	34.1
	Exceedance Level	-	-	-14.5	-11.1	-9.2	-8.9	-8.9	-10.4	-15.3	-20.2
150 - NSR156	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.2	33.6	35.5	35.8	35.8	35.8	35.8	35.8
	Exceedance Level	-	-	-12.8	-9.4	-7.5	-7.2	-7.2	-8.1	-12.0	-16.5
151 - NSR157	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.8	33.2	35.0	35.3	35.3	35.3	35.3	35.3
	Exceedance Level	-	-	-13.2	-9.8	-8.0	-7.7	-7.7	-8.6	-12.5	-17.0
152 - NSR128	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.8	32.2	34.1	34.4	34.4	34.4	34.4	34.4
	Exceedance Level	-	-	-14.2	-10.8	-8.9	-8.6	-10.9	-16.3	-22.4	-29.1
153 - NSR250	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.0	29.4	31.3	31.6	31.6	31.6	31.6	31.6
	Exceedance Level	-	-	-17.0	-13.6	-11.7	-11.4	-11.4	-11.4	-13.3	-17.6
154 - NSR159	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.2	33.6	35.5	35.7	35.7	35.7	35.7	35.7
	Exceedance Level	-	-	-12.8	-9.4	-7.5	-7.3	-7.3	-8.2	-12.1	-16.6
155 - NSR137	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.5	30.9	32.8	33.1	33.1	33.1	33.1	33.1
	Exceedance Level	-	-	-15.5	-12.1	-10.2	-9.9	-9.9	-9.9	-15.7	-22.1
156 - NSR161	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.5	31.9	33.8	34.1	34.1	34.1	34.1	34.1
	Exceedance Level	-	-	-14.5	-11.1	-9.2	-8.9	-8.9	-9.8	-13.7	-18.2
157 - NSR163	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.8	31.2	33.1	33.4	33.4	33.4	33.4	33.4
	Exceedance Level	-	-	-15.2	-11.8	-9.9	-9.6	-9.6	-9.6	-15.4	-21.8
158 - NSR231	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.3	29.7	31.6	31.9	31.9	31.9	31.9	31.9
	Exceedance Level	-	-	-16.7	-13.3	-11.4	-11.1	-11.1	-11.1	-13.0	-17.3
159 - NSR251	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.4	29.8	31.7	32.0	32.0	32.0	32.0	32.0
	Exceedance Level	-	-	-16.6	-13.2	-11.3	-11.0	-11.0	-11.0	-12.9	-17.2
160 - NSR164	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.1	33.6	35.4	35.7	35.7	35.7	35.7	35.7
	Exceedance Level	-	-	-12.9	-9.4	-7.6	-7.3	-7.3	-8.2	-12.1	-16.6
161 - NSR174	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.9	31.4	33.2	33.5	33.5	33.5	33.5	33.5
	Exceedance Level	-	-	-15.1	-11.6	-9.8	-9.5	-9.5	-9.5	-15.3	-21.7
162 - NSR167	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.2	33.6	35.5	35.8	35.8	35.8	35.8	35.8
	Exceedance Level	-	-	-12.8	-9.4	-7.5	-7.2	-7.2	-7.2	-10.9	-16.4
163 - NSR253	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.1	29.6	31.4	31.7	31.7	31.7	31.7	31.7
	Exceedance Level	-	-	-16.9	-13.4	-11.6	-11.3	-11.3	-11.3	-13.2	-17.5
164 - NSR166	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.4	46.0	49.4	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.2	33.6	35.5	35.7	35.7	35.7	35.7	35.7
	Exceedance Level	-	-	-12.8	-9.4	-7.5	-7.3	-7.7	-10.3	-13.7	-17.7
165 - NSR131	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.3	31.7	33.6	33.9	33.9	33.9	33.9	33.9
	Exceedance Level	-	-	-14.7	-11.3	-9.4	-9.1	-9.1	-10.6	-15.5	-20.4
166 - NSR132	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.2	31.6	33.5	33.8	33.8	33.8	33.8	33.8
	Exceedance Level	-	-	-14.8	-11.4	-9.5	-9.2	-9.2	-10.7	-15.6	-20.5
167 - NSR252	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.8	29.3	31.1	31.4	31.4	31.4	31.4	31.4
	Exceedance Level	-	-	-17.2	-13.7	-11.9	-11.6	-11.6	-11.6	-13.5	-17.8
168 - NSR169	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.1	32.5	34.4	34.6	34.6	34.6	34.6	34.6
	Exceedance Level	-	-	-13.9	-10.5	-8.6	-8.4	-8.4	-9.3	-13.2	-17.7
169 - NSR170	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.1	32.5	34.4	34.7	34.7	34.7	34.7	34.7
	Exceedance Level	-	-	-13.9	-10.5	-8.6	-8.3	-8.3	-9.2	-13.1	-17.6
170 - NSR172	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.7	32.1	34.0	34.3	34.3	34.3	34.3	34.3
	Exceedance Level	-	-	-14.3	-10.9	-9.0	-8.7	-8.7	-9.6	-13.5	-18.0
171 - NSR175	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.1	33.5	35.4	35.7	35.7	35.7	35.7	35.7
	Exceedance Level	-	-	-12.9	-9.5	-7.6	-7.3	-7.3	-8.2	-12.1	-16.6
172 - NSR176	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.4	46.0	49.4	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.1	33.5	35.3	35.6	35.6	35.6	35.6	35.6
	Exceedance Level	-	-	-12.9	-9.5	-7.7	-7.4	-7.8	-10.4	-13.8	-17.8
173 - NSR177	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.6	32.1	33.9	34.2	34.2	34.2	34.2	34.2

Table A5.3 Total WEDG Noise Limits Compliance Table at NSRs – Night-time

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
	Exceedance Level	-	-	-14.4	-10.9	-9.1	-8.8	-8.8	-9.7	-13.6	-18.1
174 - NSR178	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.0	32.4	34.3	34.6	34.6	34.6	34.6	34.6
	Exceedance Level	-	-	-14.0	-10.6	-8.7	-8.4	-8.4	-9.3	-13.2	-17.7
175 - NSR179	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.9	32.4	34.2	34.5	34.5	34.5	34.5	34.5
	Exceedance Level	-	-	-14.1	-10.6	-8.8	-8.5	-8.5	-9.4	-13.3	-17.8
176 - NSR180	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.1	33.5	35.4	35.7	35.7	35.7	35.7	35.7
	Exceedance Level	-	-	-12.9	-9.5	-7.6	-7.3	-7.3	-8.2	-12.1	-16.6
177 - NSR183	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.8	32.2	34.1	34.4	34.4	34.4	34.4	34.4
	Exceedance Level	-	-	-14.2	-10.8	-8.9	-8.6	-8.6	-9.5	-13.4	-17.9
178 - NSR144	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.6	32.0	33.9	34.1	34.1	34.1	34.1	34.1
	Exceedance Level	-	-	-14.4	-11.0	-9.1	-8.9	-11.2	-16.6	-22.7	-29.4
179 - NSR184	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.7	32.2	34.0	34.3	34.3	34.3	34.3	34.3
	Exceedance Level	-	-	-14.3	-10.8	-9.0	-8.7	-8.7	-9.6	-13.5	-18.0
180 - NSR262	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.2	29.6	31.5	31.8	31.8	31.8	31.8	31.8
	Exceedance Level	-	-	-16.8	-13.4	-11.5	-11.2	-11.2	-11.2	-13.1	-17.4
181 - NSR185	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.6	31.0	32.9	33.2	33.2	33.2	33.2	33.2
	Exceedance Level	-	-	-15.4	-12.0	-10.1	-9.8	-9.8	-9.8	-15.6	-22.0
182 - NSR186	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.3	31.7	33.6	33.9	33.9	33.9	33.9	33.9
	Exceedance Level	-	-	-14.7	-11.3	-9.4	-9.1	-9.1	-10.6	-15.5	-20.4
183 - NSR187	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.7	32.1	34.0	34.3	34.3	34.3	34.3	34.3
	Exceedance Level	-	-	-14.3	-10.9	-9.0	-8.7	-8.7	-10.2	-15.1	-20.0
184 - NSR188	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.2	31.7	33.5	33.8	33.8	33.8	33.8	33.8
	Exceedance Level	-	-	-14.8	-11.3	-9.5	-9.2	-9.2	-10.7	-15.6	-20.5
185 - NSR239	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.1	29.5	31.4	31.7	31.7	31.7	31.7	31.7
	Exceedance Level	-	-	-16.9	-13.5	-11.6	-11.3	-11.3	-11.3	-13.2	-17.5
186 - NSR158	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.3	30.7	32.6	32.9	32.9	32.9	32.9	32.9
	Exceedance Level	-	-	-15.7	-12.3	-10.4	-10.1	-10.1	-10.1	-15.9	-22.3
187 - NSR189	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.7	32.1	34.0	34.3	34.3	34.3	34.3	34.3
	Exceedance Level	-	-	-14.3	-10.9	-9.0	-8.7	-8.7	-9.6	-13.5	-18.0
188 - NSR191	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.6	32.0	33.9	34.2	34.2	34.2	34.2	34.2
	Exceedance Level	-	-	-14.4	-11.0	-9.1	-8.8	-8.8	-9.7	-13.6	-18.1
189 - NSR165	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.2	31.6	33.5	33.8	33.8	33.8	33.8	33.8
	Exceedance Level	-	-	-14.8	-11.4	-9.5	-9.2	-11.5	-16.9	-23.0	-29.7
190 - NSR192	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.0	33.5	35.3	35.6	35.6	35.6	35.6	35.6
	Exceedance Level	-	-	-13.0	-9.5	-7.7	-7.4	-7.4	-8.3	-12.2	-16.7
191 - NSR193	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.2	31.6	33.5	33.8	33.8	33.8	33.8	33.8
	Exceedance Level	-	-	-14.8	-11.4	-9.5	-9.2	-9.2	-10.7	-15.6	-20.5
192 - NSR194	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.5	32.0	33.8	34.1	34.1	34.1	34.1	34.1
	Exceedance Level	-	-	-14.5	-11.0	-9.2	-8.9	-8.9	-9.8	-13.7	-18.2
193 - NSR265	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.1	29.5	31.4	31.7	31.7	31.7	31.7	31.7
	Exceedance Level	-	-	-16.9	-13.5	-11.6	-11.3	-11.3	-11.3	-13.2	-17.5
194 - NSR148	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.7	32.1	34.0	34.3	34.3	34.3	34.3	34.3
	Exceedance Level	-	-	-14.3	-10.9	-9.0	-8.7	-11.0	-16.4	-22.5	-29.2
195 - NSR196	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.0	33.4	35.3	35.6	35.6	35.6	35.6	35.6
	Exceedance Level	-	-	-13.0	-9.6	-7.7	-7.4	-7.4	-8.3	-12.2	-16.7
196 - NSR198	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.3	32.7	34.6	34.9	34.9	34.9	34.9	34.9
	Exceedance Level	-	-	-13.7	-10.3	-8.4	-8.1	-8.1	-9.0	-12.9	-17.4
197 - NSR199	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.4	46.0	49.4	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.7	33.1	35.0	35.3	35.3	35.3	35.3	35.3
	Exceedance Level	-	-	-13.3	-9.9	-8.0	-7.7	-8.1	-10.7	-14.1	-18.1
	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3

Table A5.3 Total WEDG Noise Limits Compliance Table at NSRs – Night-time

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
198 - NSR200	Cumulative Wind Turbine Noise LA90 dB	-	-	29.4	32.8	34.7	34.9	34.9	34.9	34.9	34.9
	Exceedance Level	-	-	-13.6	-10.2	-8.3	-8.1	-8.1	-9.0	-12.9	-17.4
199 - NSR171	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.3	31.7	33.6	33.8	33.8	33.8	33.8	33.8
	Exceedance Level	-	-	-14.7	-11.3	-9.4	-9.2	-11.5	-16.9	-23.0	-29.7
200 - NSR201	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.3	31.7	33.6	33.9	33.9	33.9	33.9	33.9
	Exceedance Level	-	-	-14.7	-11.3	-9.4	-9.1	-9.1	-10.0	-13.9	-18.4
201 - NSR168	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.8	32.2	34.1	34.4	34.4	34.4	34.4	34.4
	Exceedance Level	-	-	-14.2	-10.8	-8.9	-8.6	-8.6	-10.1	-15.0	-19.9
202 - NSR202	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.7	33.1	35.0	35.2	35.2	35.2	35.2	35.2
	Exceedance Level	-	-	-13.3	-9.9	-8.0	-7.8	-7.8	-7.8	-11.5	-17.0
203 - NSR274	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.1	29.5	31.4	31.7	31.7	31.7	31.7	31.7
	Exceedance Level	-	-	-16.9	-13.5	-11.6	-11.3	-11.3	-11.3	-13.2	-17.5
204 - NSR162	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.6	32.1	33.9	34.2	34.2	34.2	34.2	34.2
	Exceedance Level	-	-	-14.4	-10.9	-9.1	-8.8	-11.1	-16.5	-22.6	-29.3
205 - NSR204	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.6	33.0	34.8	35.1	35.1	35.1	35.1	35.1
	Exceedance Level	-	-	-13.4	-10.0	-8.2	-7.9	-7.9	-8.8	-12.7	-17.2
206 - NSR230	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.5	29.9	31.8	32.0	32.0	32.0	32.0	32.0
	Exceedance Level	-	-	-16.5	-13.1	-11.2	-11.0	-11.0	-11.0	-12.9	-17.2
207 - NSR284	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.6	29.1	30.9	31.2	31.2	31.2	31.2	31.2
	Exceedance Level	-	-	-17.4	-13.9	-12.1	-11.8	-11.8	-11.8	-13.7	-18.0
208 - NSR195	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.9	31.3	33.2	33.4	33.4	33.4	33.4	33.4
	Exceedance Level	-	-	-15.1	-11.7	-9.8	-9.6	-11.9	-17.3	-23.4	-30.1
209 - NSR205	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.3	30.7	32.5	32.8	32.8	32.8	32.8	32.8
	Exceedance Level	-	-	-15.7	-12.3	-10.5	-10.2	-10.2	-10.2	-16.0	-22.4
210 - NSR282	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.9	29.3	31.2	31.5	31.5	31.5	31.5	31.5
	Exceedance Level	-	-	-17.1	-13.7	-11.8	-11.5	-11.5	-11.5	-13.4	-17.7
211 - NSR208	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.6	33.0	34.9	35.2	35.2	35.2	35.2	35.2
	Exceedance Level	-	-	-13.4	-10.0	-8.1	-7.8	-7.8	-8.7	-12.6	-17.1
212 - NSR234	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.3	29.7	31.6	31.9	31.9	31.9	31.9	31.9
	Exceedance Level	-	-	-16.7	-13.3	-11.4	-11.1	-11.1	-11.1	-13.0	-17.3
213 - NSR210	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.5	32.9	34.8	35.1	35.1	35.1	35.1	35.1
	Exceedance Level	-	-	-13.5	-10.1	-8.2	-7.9	-7.9	-7.9	-11.6	-17.1
214 - NSR190	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.8	32.2	34.1	34.3	34.3	34.3	34.3	34.3
	Exceedance Level	-	-	-14.2	-10.8	-8.9	-8.7	-8.7	-10.2	-15.1	-20.0
215 - NSR211	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.6	33.0	34.9	35.2	35.2	35.2	35.2	35.2
	Exceedance Level	-	-	-13.4	-10.0	-8.1	-7.8	-7.8	-8.7	-12.6	-17.1
216 - NSR292	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.6	29.0	30.9	31.1	31.1	31.1	31.1	31.1
	Exceedance Level	-	-	-17.4	-14.0	-12.1	-11.9	-11.9	-11.9	-13.8	-18.1
217 - NSR233	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.4	29.9	31.7	32.0	32.0	32.0	32.0	32.0
	Exceedance Level	-	-	-16.6	-13.1	-11.3	-11.0	-11.0	-11.0	-12.9	-17.2
218 - NSR254	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.8	29.2	31.1	31.4	31.4	31.4	31.4	31.4
	Exceedance Level	-	-	-17.2	-13.8	-11.9	-11.6	-11.6	-11.6	-13.5	-17.8
219 - NSR197	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.9	31.3	33.2	33.5	33.5	33.5	33.5	33.5
	Exceedance Level	-	-	-15.1	-11.7	-9.8	-9.5	-11.8	-17.2	-23.3	-30.0
220 - NSR289	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.9	29.3	31.2	31.5	31.5	31.5	31.5	31.5
	Exceedance Level	-	-	-17.1	-13.7	-11.8	-11.5	-11.5	-11.5	-13.4	-17.7
221 - NSR203	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.6	31.0	32.9	33.1	33.1	33.1	33.1	33.1
	Exceedance Level	-	-	-15.4	-12.0	-10.1	-9.9	-12.2	-17.6	-23.7	-30.4
222 - NSR213	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.4	46.0	49.4	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.5	32.9	34.8	35.1	35.1	35.1	35.1	35.1
	Exceedance Level	-	-	-13.5	-10.1	-8.2	-7.9	-8.3	-10.9	-14.3	-18.3

Table A5.3 Total WEDG Noise Limits Compliance Table at NSRs – Night-time

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
223 - NSR217	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.0	31.5	33.3	33.6	33.6	33.6	33.6	33.6
	Exceedance Level	-	-	-15.0	-11.5	-9.7	-9.4	-9.4	-10.3	-14.2	-18.7
224 - NSR182	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.6	32.0	33.9	34.1	34.1	34.1	34.1	34.1
	Exceedance Level	-	-	-14.4	-11.0	-9.1	-8.9	-11.2	-16.6	-22.7	-29.4
225 - NSR291	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.2	28.6	30.5	30.8	30.8	30.8	30.8	30.8
	Exceedance Level	-	-	-17.8	-14.4	-12.5	-12.2	-12.2	-12.2	-14.1	-18.4
226 - NSR298	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.5	28.9	30.8	31.1	31.1	31.1	31.1	31.1
	Exceedance Level	-	-	-17.5	-14.1	-12.2	-11.9	-11.9	-11.9	-13.8	-18.1
227 - NSR243	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.1	29.5	31.4	31.7	31.7	31.7	31.7	31.7
	Exceedance Level	-	-	-16.9	-13.5	-11.6	-11.3	-11.3	-11.3	-13.2	-17.5
228 - NSR218	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.4	46.0	49.4	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.3	32.7	34.6	34.9	34.9	34.9	34.9	34.9
	Exceedance Level	-	-	-13.7	-10.3	-8.4	-8.1	-8.5	-11.1	-14.5	-18.5
229 - NSR220	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.8	31.2	33.1	33.4	33.4	33.4	33.4	33.4
	Exceedance Level	-	-	-15.2	-11.8	-9.9	-9.6	-9.6	-10.5	-14.4	-18.9
230 - NSR222	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.9	31.3	33.2	33.5	33.5	33.5	33.5	33.5
	Exceedance Level	-	-	-15.1	-11.7	-9.8	-9.5	-9.5	-10.4	-14.3	-18.8
231 - NSR268	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.5	28.9	30.8	31.1	31.1	31.1	31.1	31.1
	Exceedance Level	-	-	-17.5	-14.1	-12.2	-11.9	-11.9	-11.9	-13.8	-18.1
232 - NSR237	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.9	32.4	34.2	34.5	34.5	34.5	34.5	34.5
	Exceedance Level	-	-	-14.1	-10.6	-8.8	-8.5	-8.5	-8.5	-12.2	-17.7
233 - NSR223	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.4	46.0	49.4	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.9	32.4	34.2	34.5	34.5	34.5	34.5	34.5
	Exceedance Level	-	-	-14.1	-10.6	-8.8	-8.5	-8.9	-11.5	-14.9	-18.9
234 - NSR240	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.3	29.7	31.6	31.9	31.9	31.9	31.9	31.9
	Exceedance Level	-	-	-16.7	-13.3	-11.4	-11.1	-11.1	-11.1	-13.0	-17.3
235 - NSR227	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.5	30.9	32.8	33.1	33.1	33.1	33.1	33.1
	Exceedance Level	-	-	-15.5	-12.1	-10.2	-9.9	-9.9	-11.4	-16.3	-21.2
236 - NSR228	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.2	32.6	34.5	34.7	34.7	34.7	34.7	34.7
	Exceedance Level	-	-	-13.8	-10.4	-8.5	-8.3	-8.3	-9.2	-13.1	-17.6
237 - NSR229	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.7	31.1	33.0	33.3	33.3	33.3	33.3	33.3
	Exceedance Level	-	-	-15.3	-11.9	-10.0	-9.7	-9.7	-10.6	-14.5	-19.0
238 - NSR267	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.3	31.7	33.5	33.8	33.8	33.8	33.8	33.8
	Exceedance Level	-	-	-14.7	-11.3	-9.5	-9.2	-9.2	-9.2	-12.9	-18.4
239 - NSR286	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.2	28.7	30.5	30.8	30.8	30.8	30.8	30.8
	Exceedance Level	-	-	-17.8	-14.3	-12.5	-12.2	-12.2	-12.2	-14.1	-18.4
240 - NSR224	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.5	29.9	31.8	32.1	32.1	32.1	32.1	32.1
	Exceedance Level	-	-	-16.5	-13.1	-11.2	-10.9	-10.9	-10.9	-16.7	-23.1
241 - NSR315	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.9	28.3	30.2	30.5	30.5	30.5	30.5	30.5
	Exceedance Level	-	-	-18.1	-14.7	-12.8	-12.5	-12.5	-12.5	-14.4	-18.7
242 - NSR238	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.4	30.8	32.7	33.0	33.0	33.0	33.0	33.0
	Exceedance Level	-	-	-15.6	-12.2	-10.3	-10.0	-10.0	-11.5	-16.4	-21.3
243 - NSR280	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.0	31.4	33.3	33.5	33.5	33.5	33.5	33.5
	Exceedance Level	-	-	-15.0	-11.6	-9.7	-9.5	-9.5	-9.5	-13.2	-18.7
244 - NSR209	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.2	31.6	33.5	33.8	33.8	33.8	33.8	33.8
	Exceedance Level	-	-	-14.8	-11.4	-9.5	-9.2	-11.5	-16.9	-23.0	-29.7
245 - NSR297	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.1	28.5	30.4	30.7	30.7	30.7	30.7	30.7
	Exceedance Level	-	-	-17.9	-14.5	-12.6	-12.3	-12.3	-12.3	-14.2	-18.5
246 - NSR246	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.3	30.7	32.6	32.9	32.9	32.9	32.9	32.9
	Exceedance Level	-	-	-15.7	-12.3	-10.4	-10.1	-10.1	-11.0	-14.9	-19.4
247 - NSR219	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.8	31.2	33.1	33.4	33.4	33.4	33.4	33.4

Table A5.3 Total WEDG Noise Limits Compliance Table at NSRs – Night-time

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
	Exceedance Level	-	-	-15.2	-11.8	-9.9	-9.6	-11.9	-17.3	-23.4	-30.1
248 - NSR277	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.5	29.0	30.8	31.1	31.1	31.1	31.1	31.1
	Exceedance Level	-	-	-17.5	-14.0	-12.2	-11.9	-11.9	-11.9	-13.8	-18.1
249 - NSR248	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.0	30.4	32.3	32.6	32.6	32.6	32.6	32.6
	Exceedance Level	-	-	-16.0	-12.6	-10.7	-10.4	-10.4	-11.9	-16.8	-21.7
250 - NSR249	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.4	46.0	49.4	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.8	32.2	34.1	34.4	34.4	34.4	34.4	34.4
	Exceedance Level	-	-	-14.2	-10.8	-8.9	-8.6	-9.0	-11.6	-15.0	-19.0
251 - NSR221	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.0	31.4	33.3	33.6	33.6	33.6	33.6	33.6
	Exceedance Level	-	-	-15.0	-11.6	-9.7	-9.4	-11.7	-17.1	-23.2	-29.9
252 - NSR305	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.0	28.4	30.3	30.5	30.5	30.5	30.5	30.5
	Exceedance Level	-	-	-18.0	-14.6	-12.7	-12.5	-12.5	-12.5	-14.4	-18.7
253 - NSR255	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.4	30.8	32.7	33.0	33.0	33.0	33.0	33.0
	Exceedance Level	-	-	-15.6	-12.2	-10.3	-10.0	-10.0	-10.9	-14.8	-19.3
254 - NSR256	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.4	46.0	49.4	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.7	32.1	34.0	34.3	34.3	34.3	34.3	34.3
	Exceedance Level	-	-	-14.3	-10.9	-9.0	-8.7	-9.1	-11.7	-15.1	-19.1
255 - NSR257	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.4	46.0	49.4	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.7	32.1	34.0	34.2	34.2	34.2	34.2	34.2
	Exceedance Level	-	-	-14.3	-10.9	-9.0	-8.8	-9.2	-11.8	-15.2	-19.2
256 - NSR236	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.0	31.4	33.3	33.5	33.5	33.5	33.5	33.5
	Exceedance Level	-	-	-15.0	-11.6	-9.7	-9.5	-11.8	-17.2	-23.3	-30.0
257 - NSR226	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.9	31.3	33.2	33.4	33.4	33.4	33.4	33.4
	Exceedance Level	-	-	-15.1	-11.7	-9.8	-9.6	-11.9	-17.3	-23.4	-30.1
258 - NSR301	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.5	31.0	32.8	33.1	33.1	33.1	33.1	33.1
	Exceedance Level	-	-	-15.5	-12.0	-10.2	-9.9	-9.9	-9.9	-13.6	-19.1
259 - NSR275	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.7	29.1	31.0	31.3	31.3	31.3	31.3	31.3
	Exceedance Level	-	-	-17.3	-13.9	-12.0	-11.7	-11.7	-11.7	-13.6	-17.9
260 - NSR232	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.6	31.0	32.8	33.1	33.1	33.1	33.1	33.1
	Exceedance Level	-	-	-15.4	-12.0	-10.2	-9.9	-12.2	-17.6	-23.7	-30.4
261 - NSR260	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.4	46.0	49.4	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.7	32.1	34.0	34.3	34.3	34.3	34.3	34.3
	Exceedance Level	-	-	-14.3	-10.9	-9.0	-8.7	-9.1	-11.7	-15.1	-19.1
262 - NSR258	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.0	31.4	33.3	33.6	33.6	33.6	33.6	33.6
	Exceedance Level	-	-	-15.0	-11.6	-9.7	-9.4	-11.7	-17.1	-23.2	-29.9
263 - NSR235	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.8	31.2	33.1	33.4	33.4	33.4	33.4	33.4
	Exceedance Level	-	-	-15.2	-11.8	-9.9	-9.6	-11.9	-17.3	-23.4	-30.1
264 - NSR309	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.0	28.4	30.3	30.5	30.5	30.5	30.5	30.5
	Exceedance Level	-	-	-18.0	-14.6	-12.7	-12.5	-12.5	-12.5	-14.4	-18.7
265 - NSR263	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.4	46.0	49.4	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.6	32.0	33.9	34.2	34.2	34.2	34.2	34.2
	Exceedance Level	-	-	-14.4	-11.0	-9.1	-8.8	-9.2	-11.8	-15.2	-19.2
266 - NSR264	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.4	46.0	49.4	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.6	32.0	33.9	34.1	34.1	34.1	34.1	34.1
	Exceedance Level	-	-	-14.4	-11.0	-9.1	-8.9	-9.3	-11.9	-15.3	-19.3
267 - NSR283	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.4	46.0	49.4	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.8	31.2	33.1	33.4	33.4	33.4	33.4	33.4
	Exceedance Level	-	-	-15.2	-11.8	-9.9	-9.6	-10.0	-12.6	-16.0	-20.0
268 - NSR266	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.4	46.0	49.4	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.2	31.6	33.5	33.8	33.8	33.8	33.8	33.8
	Exceedance Level	-	-	-14.8	-11.4	-9.5	-9.2	-9.6	-12.2	-15.6	-19.6
269 - NSR247	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.8	31.2	33.1	33.4	33.4	33.4	33.4	33.4
	Exceedance Level	-	-	-15.2	-11.8	-9.9	-9.6	-11.9	-17.3	-23.4	-30.1
270 - NSR270	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.1	31.5	33.4	33.7	33.7	33.7	33.7	33.7
	Exceedance Level	-	-	-14.9	-11.5	-9.6	-9.3	-9.3	-10.2	-14.1	-18.6
271 - NSR271	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.1	30.5	32.3	32.6	32.6	32.6	32.6	32.6
	Exceedance Level	-	-	-15.9	-12.5	-10.7	-10.4	-10.4	-11.3	-15.2	-19.7
	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5

Table A5.3 Total WEDG Noise Limits Compliance Table at NSRs – Night-time

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
272 - NSR242	Cumulative Wind Turbine Noise LA90 dB	-	-	27.3	30.7	32.6	32.9	32.9	32.9	32.9	32.9
	Exceedance Level	-	-	-15.7	-12.3	-10.4	-10.1	-12.4	-17.8	-23.9	-30.6
273 - NSR287	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.4	46.0	49.4	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.7	31.1	33.0	33.3	33.3	33.3	33.3	33.3
	Exceedance Level	-	-	-15.3	-11.9	-10.0	-9.7	-10.1	-12.7	-16.1	-20.1
274 - NSR272	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.4	46.0	49.4	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.4	31.8	33.7	34.0	34.0	34.0	34.0	34.0
	Exceedance Level	-	-	-14.6	-11.2	-9.3	-9.0	-9.4	-12.0	-15.4	-19.4
275 - NSR261	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.7	31.1	33.0	33.3	33.3	33.3	33.3	33.3
	Exceedance Level	-	-	-15.3	-11.9	-10.0	-9.7	-12.0	-17.4	-23.5	-30.2
276 - NSR245	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.6	31.0	32.9	33.2	33.2	33.2	33.2	33.2
	Exceedance Level	-	-	-15.4	-12.0	-10.1	-9.8	-12.1	-17.5	-23.6	-30.3
277 - NSR276	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.3	30.7	32.6	32.9	32.9	32.9	32.9	32.9
	Exceedance Level	-	-	-15.7	-12.3	-10.4	-10.1	-10.1	-11.0	-14.9	-19.4
278 - NSR269	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.7	31.1	32.9	33.2	33.2	33.2	33.2	33.2
	Exceedance Level	-	-	-15.3	-11.9	-10.1	-9.8	-12.1	-17.5	-23.6	-30.3
279 - NSR278	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.4	46.0	49.4	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	28.0	31.4	33.3	33.6	33.6	33.6	33.6	33.6
	Exceedance Level	-	-	-15.0	-11.6	-9.7	-9.4	-9.8	-12.4	-15.8	-19.8
280 - NSR281	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.3	30.7	32.6	32.9	32.9	32.9	32.9	32.9
	Exceedance Level	-	-	-15.7	-12.3	-10.4	-10.1	-10.1	-11.0	-14.9	-19.4
281 - NSR273	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.6	31.0	32.9	33.2	33.2	33.2	33.2	33.2
	Exceedance Level	-	-	-15.4	-12.0	-10.1	-9.8	-12.1	-17.5	-23.6	-30.3
282 - NSR259	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.5	30.9	32.8	33.1	33.1	33.1	33.1	33.1
	Exceedance Level	-	-	-15.5	-12.1	-10.2	-9.9	-12.2	-17.6	-23.7	-30.4
283 - NSR293	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.7	30.1	32.0	32.3	32.3	32.3	32.3	32.3
	Exceedance Level	-	-	-16.3	-12.9	-11.0	-10.7	-10.7	-12.2	-17.1	-22.0
284 - NSR285	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.8	30.3	32.1	32.4	32.4	32.4	32.4	32.4
	Exceedance Level	-	-	-16.2	-12.7	-10.9	-10.6	-10.6	-11.5	-15.4	-19.9
285 - NSR288	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.6	30.0	31.9	32.2	32.2	32.2	32.2	32.2
	Exceedance Level	-	-	-16.4	-13.0	-11.1	-10.8	-10.8	-11.7	-15.6	-20.1
286 - NSR304	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.3	28.7	30.6	30.9	30.9	30.9	30.9	30.9
	Exceedance Level	-	-	-17.7	-14.3	-12.4	-12.1	-12.1	-12.1	-14.0	-18.3
287 - NSR302	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.3	28.8	30.6	30.9	30.9	30.9	30.9	30.9
	Exceedance Level	-	-	-17.7	-14.2	-12.4	-12.1	-12.1	-12.1	-14.0	-18.3
288 - NSR290	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.9	30.4	32.2	32.5	32.5	32.5	32.5	32.5
	Exceedance Level	-	-	-16.1	-12.6	-10.8	-10.5	-10.5	-11.4	-15.3	-19.8
289 - NSR295	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.7	31.1	33.0	33.2	33.2	33.2	33.2	33.2
	Exceedance Level	-	-	-15.3	-11.9	-10.0	-9.8	-12.1	-17.5	-23.6	-30.3
290 - NSR296	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.8	30.2	32.1	32.4	32.4	32.4	32.4	32.4
	Exceedance Level	-	-	-16.2	-12.8	-10.9	-10.6	-10.6	-11.5	-15.4	-19.9
291 - NSR311	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.2	28.7	30.5	30.8	30.8	30.8	30.8	30.8
	Exceedance Level	-	-	-17.8	-14.3	-12.5	-12.2	-12.2	-12.2	-14.1	-18.4
292 - NSR299	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.3	29.7	31.5	31.8	31.8	31.8	31.8	31.8
	Exceedance Level	-	-	-16.7	-13.3	-11.5	-11.2	-11.2	-12.7	-17.6	-22.5
293 - NSR300	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.4	29.8	31.7	32.0	32.0	32.0	32.0	32.0
	Exceedance Level	-	-	-16.6	-13.2	-11.3	-11.0	-11.0	-11.9	-15.8	-20.3
294 - NSR303	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.6	30.0	31.9	32.2	32.2	32.2	32.2	32.2
	Exceedance Level	-	-	-16.4	-13.0	-11.1	-10.8	-10.8	-11.7	-15.6	-20.1
295 - NSR307	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.3	30.8	32.6	32.9	32.9	32.9	32.9	32.9
	Exceedance Level	-	-	-15.7	-12.2	-10.4	-10.1	-12.4	-17.8	-23.9	-30.6
296 - NSR312	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.4	46.0	49.4	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.4	30.8	32.7	33.0	33.0	33.0	33.0	33.0
	Exceedance Level	-	-	-15.6	-12.2	-10.3	-10.0	-10.4	-13.0	-16.4	-20.4

Table A5.3 Total WEDG Noise Limits Compliance Table at NSRs – Night-time

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
297 - NSR306	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.6	29.0	30.9	31.2	31.2	31.2	31.2	31.2
	Exceedance Level	-	-	-17.4	-14.0	-12.1	-11.8	-14.1	-19.5	-25.6	-32.3
298 - NSR313	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.4	30.8	32.7	33.0	33.0	33.0	33.0	33.0
	Exceedance Level	-	-	-15.6	-12.2	-10.3	-10.0	-12.3	-17.7	-23.8	-30.5
299 - NSR308	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.1	30.5	32.3	32.6	32.6	32.6	32.6	32.6
	Exceedance Level	-	-	-15.9	-12.5	-10.7	-10.4	-12.7	-18.1	-24.2	-30.9
300 - NSR89	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.6	34.0	35.8	36.1	36.1	36.1	36.1	36.1
	Exceedance Level	-	-	-12.4	-9.0	-7.2	-6.9	-6.9	-8.4	-13.3	-18.2
301 - NSR310	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.5	30.0	31.8	32.1	32.1	32.1	32.1	32.1
	Exceedance Level	-	-	-16.5	-13.0	-11.2	-10.9	-13.2	-18.6	-24.7	-31.4
302 - NSR314	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.1	30.5	32.4	32.6	32.6	32.6	32.6	32.6
	Exceedance Level	-	-	-15.9	-12.5	-10.6	-10.4	-12.7	-18.1	-24.2	-30.9
303 - NSR140	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.4	33.8	35.7	36.0	36.0	36.0	36.0	36.0
	Exceedance Level	-	-	-12.6	-9.2	-7.3	-7.0	-7.0	-7.9	-11.8	-16.3
304 - NSR173	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	30.2	33.6	35.4	35.7	35.7	35.7	35.7	35.7
	Exceedance Level	-	-	-12.8	-9.4	-7.6	-7.3	-7.3	-8.2	-12.1	-16.6
305 - NSR181	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.1	32.5	34.3	34.6	34.6	34.6	34.6	34.6
	Exceedance Level	-	-	-13.9	-10.5	-8.7	-8.4	-8.4	-9.3	-13.2	-17.7
306 - NSR244	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.2	30.6	32.5	32.8	32.8	32.8	32.8	32.8
	Exceedance Level	-	-	-15.8	-12.4	-10.5	-10.2	-10.2	-11.1	-15.0	-19.5
307 - NSR279	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.8	29.2	31.1	31.3	31.3	31.3	31.3	31.3
	Exceedance Level	-	-	-17.2	-13.8	-11.9	-11.7	-11.7	-11.7	-13.6	-17.9
308 - NSR65	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	32.5	35.9	37.8	38.1	38.1	38.1	38.1	38.1
	Exceedance Level	-	-	-10.5	-7.1	-5.2	-4.9	-4.9	-4.9	-8.6	-14.1
309 - NSR207	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.8	30.2	32.1	32.4	32.4	32.4	32.4	32.4
	Exceedance Level	-	-	-16.2	-12.8	-10.9	-10.6	-10.6	-10.6	-16.4	-22.8
310 - NSR82	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	32.1	35.5	37.4	37.7	37.7	37.7	37.7	37.7
	Exceedance Level	-	-	-10.9	-7.5	-5.6	-5.3	-5.3	-5.3	-7.2	-11.5
311 - NSR48	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	32.0	35.4	37.3	37.6	37.6	37.6	37.6	37.6
	Exceedance Level	-	-	-11.0	-7.6	-5.7	-5.4	-5.4	-6.9	-11.8	-16.7
312 - NSR23	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	34.5	37.9	39.8	40.1	40.1	40.1	40.1	40.1
	Exceedance Level	-	-	-8.5	-5.1	-3.2	-2.9	-2.9	-2.9	-6.6	-12.1
313 - NSR114	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	31.2	34.6	36.5	36.7	36.7	36.7	36.7	36.7
	Exceedance Level	-	-	-11.8	-8.4	-6.5	-6.3	-6.3	-6.3	-10.0	-15.5
314 - NSR214	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	29.3	32.7	34.6	34.9	34.9	34.9	34.9	34.9
	Exceedance Level	-	-	-13.7	-10.3	-8.4	-8.1	-8.1	-8.1	-11.8	-17.3
315 - NSR294	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.4	46.0	49.4	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.6	31.1	32.9	33.2	33.2	33.2	33.2	33.2
	Exceedance Level	-	-	-15.4	-11.9	-10.1	-9.8	-10.2	-12.8	-16.2	-20.2
316 - NSR316	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.4	29.8	31.7	32.0	32.0	32.0	32.0	32.0
	Exceedance Level	-	-	-16.6	-13.2	-11.3	-11.0	-13.3	-18.7	-24.8	-31.5
317 - NSR317	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.9	28.3	30.2	30.5	30.5	30.5	30.5	30.5
	Exceedance Level	-	-	-18.1	-14.7	-12.8	-12.5	-12.5	-12.5	-14.4	-18.7
318 - NSR318	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.1	28.5	30.4	30.7	30.7	30.7	30.7	30.7
	Exceedance Level	-	-	-17.9	-14.5	-12.6	-12.3	-12.3	-12.3	-14.2	-18.5
319 - NSR319	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.5	29.0	30.8	31.1	31.1	31.1	31.1	31.1
	Exceedance Level	-	-	-17.5	-14.0	-12.2	-11.9	-11.9	-11.9	-13.8	-18.1
320 - NSR320	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.2	29.6	31.5	31.8	31.8	31.8	31.8	31.8
	Exceedance Level	-	-	-16.8	-13.4	-11.5	-11.2	-11.2	-12.7	-17.6	-22.5
321 - NSR321	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.4	29.8	31.6	31.9	31.9	31.9	31.9	31.9

Table A5.3 Total WEDG Noise Limits Compliance Table at NSRs – Night-time

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
	Exceedance Level	-	-	-16.6	-13.2	-11.4	-11.1	-11.1	-12.0	-15.9	-20.4
322 - NSR322	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.6	29.0	30.9	31.2	31.2	31.2	31.2	31.2
	Exceedance Level	-	-	-17.4	-14.0	-12.1	-11.8	-11.8	-11.8	-13.7	-18.0
323 - NSR323	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.3	28.7	30.6	30.9	30.9	30.9	30.9	30.9
	Exceedance Level	-	-	-17.7	-14.3	-12.4	-12.1	-12.1	-12.1	-14.0	-18.3
324 - NSR324	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.9	29.3	31.2	31.5	31.5	31.5	31.5	31.5
	Exceedance Level	-	-	-17.1	-13.7	-11.8	-11.5	-11.5	-11.5	-13.4	-17.7
325 - NSR325	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.6	28.0	29.9	30.2	30.2	30.2	30.2	30.2
	Exceedance Level	-	-	-18.4	-15.0	-13.1	-12.8	-12.8	-12.8	-14.7	-19.0
326 - NSR326	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.9	28.3	30.2	30.5	30.5	30.5	30.5	30.5
	Exceedance Level	-	-	-18.1	-14.7	-12.8	-12.5	-12.5	-12.5	-14.4	-18.7
327 - NSR327	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.5	28.9	30.8	31.1	31.1	31.1	31.1	31.1
	Exceedance Level	-	-	-17.5	-14.1	-12.2	-11.9	-11.9	-11.9	-17.7	-24.1
328 - NSR328	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.4	46.0	49.4	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.1	30.5	32.4	32.7	32.7	32.7	32.7	32.7
	Exceedance Level	-	-	-15.9	-12.5	-10.6	-10.3	-10.7	-13.3	-16.7	-20.7
329 - NSR329	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.4	28.8	30.7	31.0	31.0	31.0	31.0	31.0
	Exceedance Level	-	-	-17.6	-14.2	-12.3	-12.0	-12.0	-12.0	-13.9	-18.2
330 - NSR330	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	27.0	30.4	32.2	32.5	32.5	32.5	32.5	32.5
	Exceedance Level	-	-	-16.0	-12.6	-10.8	-10.5	-10.5	-11.4	-15.3	-19.8
331 - NSR331	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.2	29.7	31.5	31.8	31.8	31.8	31.8	31.8
	Exceedance Level	-	-	-16.8	-13.3	-11.5	-11.2	-11.2	-12.1	-16.0	-20.5
332 - NSR332	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.8	29.2	31.1	31.4	31.4	31.4	31.4	31.4
	Exceedance Level	-	-	-17.2	-13.8	-11.9	-11.6	-11.6	-13.1	-18.0	-22.9
333 - NSR333	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.5	30.0	31.8	32.1	32.1	32.1	32.1	32.1
	Exceedance Level	-	-	-16.5	-13.0	-11.2	-10.9	-13.2	-18.6	-24.7	-31.4
334 - NSR334	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.5	27.9	29.8	30.1	30.1	30.1	30.1	30.1
	Exceedance Level	-	-	-18.5	-15.1	-13.2	-12.9	-12.9	-12.9	-14.8	-19.1
335 - NSR335	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.6	29.0	30.9	31.2	31.2	31.2	31.2	31.2
	Exceedance Level	-	-	-17.4	-14.0	-12.1	-11.8	-11.8	-11.8	-13.7	-18.0
336 - NSR336	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.1	29.5	31.4	31.7	31.7	31.7	31.7	31.7
	Exceedance Level	-	-	-16.9	-13.5	-11.6	-11.3	-13.6	-19.0	-25.1	-31.8
337 - NSR337	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.1	29.5	31.4	31.7	31.7	31.7	31.7	31.7
	Exceedance Level	-	-	-16.9	-13.5	-11.6	-11.3	-11.3	-12.2	-16.1	-20.6
338 - NSR338	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.4	28.8	30.7	31.0	31.0	31.0	31.0	31.0
	Exceedance Level	-	-	-17.6	-14.2	-12.3	-12.0	-12.0	-12.0	-17.8	-24.2
339 - NSR339	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.1	29.5	31.4	31.7	31.7	31.7	31.7	31.7
	Exceedance Level	-	-	-16.9	-13.5	-11.6	-11.3	-13.6	-19.0	-25.1	-31.8
340 - NSR340	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.1	29.5	31.3	31.6	31.6	31.6	31.6	31.6
	Exceedance Level	-	-	-16.9	-13.5	-11.7	-11.4	-13.7	-19.1	-25.2	-31.9
341 - NSR341	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.4	27.8	29.7	30.0	30.0	30.0	30.0	30.0
	Exceedance Level	-	-	-18.6	-15.2	-13.3	-13.0	-13.0	-13.0	-14.9	-19.2
342 - NSR342	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.6	30.0	31.9	32.2	32.2	32.2	32.2	32.2
	Exceedance Level	-	-	-16.4	-13.0	-11.1	-10.8	-13.1	-18.5	-24.6	-31.3
343 - NSR343	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.1	29.5	31.4	31.7	31.7	31.7	31.7	31.7
	Exceedance Level	-	-	-16.9	-13.5	-11.6	-11.3	-13.6	-19.0	-25.1	-31.8
344 - NSR344	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.5	27.9	29.8	30.1	30.1	30.1	30.1	30.1
	Exceedance Level	-	-	-18.5	-15.1	-13.2	-12.9	-12.9	-12.9	-14.8	-19.1
345 - NSR345	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.5	27.9	29.8	30.1	30.1	30.1	30.1	30.1
	Exceedance Level	-	-	-18.5	-15.1	-13.2	-12.9	-12.9	-12.9	-14.8	-19.1
	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2

Table A5.3 Total WEDG Noise Limits Compliance Table at NSRs – Night-time

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
346 - NSR346	Cumulative Wind Turbine Noise LA90 dB	-	-	24.4	27.8	29.7	30.0	30.0	30.0	30.0	30.0
	Exceedance Level	-	-	-18.6	-15.2	-13.3	-13.0	-13.0	-13.0	-14.9	-19.2
347 - NSR347	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.7	30.1	32.0	32.3	32.3	32.3	32.3	32.3
	Exceedance Level	-	-	-16.3	-12.9	-11.0	-10.7	-10.7	-10.7	-14.4	-19.9
348 - NSR348	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.1	28.5	30.4	30.7	30.7	30.7	30.7	30.7
	Exceedance Level	-	-	-17.9	-14.5	-12.6	-12.3	-12.3	-12.3	-14.2	-18.5
349 - NSR349	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.2	29.6	31.5	31.8	31.8	31.8	31.8	31.8
	Exceedance Level	-	-	-16.8	-13.4	-11.5	-11.2	-13.5	-18.9	-25.0	-31.7
350 - NSR350	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.9	29.3	31.2	31.5	31.5	31.5	31.5	31.5
	Exceedance Level	-	-	-17.1	-13.7	-11.8	-11.5	-13.8	-19.2	-25.3	-32.0
351 - NSR351	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.8	30.2	32.1	32.4	32.4	32.4	32.4	32.4
	Exceedance Level	-	-	-16.2	-12.8	-10.9	-10.6	-10.6	-10.6	-14.3	-19.8
352 - NSR352	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.1	28.5	30.3	30.6	30.6	30.6	30.6	30.6
	Exceedance Level	-	-	-17.9	-14.5	-12.7	-12.4	-12.4	-12.4	-14.3	-18.6
353 - NSR353	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.8	30.3	32.1	32.4	32.4	32.4	32.4	32.4
	Exceedance Level	-	-	-16.2	-12.7	-10.9	-10.6	-10.6	-11.5	-15.4	-19.9
354 - NSR354	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.1	29.5	31.4	31.7	31.7	31.7	31.7	31.7
	Exceedance Level	-	-	-16.9	-13.5	-11.6	-11.3	-13.6	-19.0	-25.1	-31.8
355 - NSR355	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.6	30.1	31.9	32.2	32.2	32.2	32.2	32.2
	Exceedance Level	-	-	-16.4	-12.9	-11.1	-10.8	-10.8	-10.8	-14.5	-20.0
356 - NSR356	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.4	46.0	49.4	53.4
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.6	30.0	31.9	32.1	32.1	32.1	32.1	32.1
	Exceedance Level	-	-	-16.4	-13.0	-11.1	-10.9	-11.3	-13.9	-17.3	-21.3
357 - NSR357	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.1	29.5	31.4	31.7	31.7	31.7	31.7	31.7
	Exceedance Level	-	-	-16.9	-13.5	-11.6	-11.3	-13.6	-19.0	-25.1	-31.8
358 - NSR358	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.3	27.7	29.6	29.9	29.9	29.9	29.9	29.9
	Exceedance Level	-	-	-18.7	-15.3	-13.4	-13.1	-13.1	-13.1	-15.0	-19.3
359 - NSR359	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.0	29.4	31.3	31.6	31.6	31.6	31.6	31.6
	Exceedance Level	-	-	-17.0	-13.6	-11.7	-11.4	-13.7	-19.1	-25.2	-31.9
360 - NSR360	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.6	29.0	30.9	31.3	31.3	31.3	31.3	31.3
	Exceedance Level	-	-	-17.4	-14.0	-12.1	-11.7	-11.7	-13.2	-18.1	-23.0
361 - NSR361	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.1	28.5	30.4	30.7	30.7	30.7	30.7	30.7
	Exceedance Level	-	-	-17.9	-14.5	-12.6	-12.3	-14.6	-20.0	-26.1	-32.8
362 - NSR362	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.0	29.4	31.3	31.6	31.6	31.6	31.6	31.6
	Exceedance Level	-	-	-17.0	-13.6	-11.7	-11.4	-13.7	-19.1	-25.2	-31.9
363 - NSR363	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.1	27.5	29.4	29.7	29.7	29.7	29.7	29.7
	Exceedance Level	-	-	-18.9	-15.5	-13.6	-13.3	-13.3	-13.3	-15.2	-19.5
364 - NSR364	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.6	29.0	30.8	31.1	31.1	31.1	31.1	31.1
	Exceedance Level	-	-	-17.4	-14.0	-12.2	-11.9	-14.2	-19.6	-25.7	-32.4
365 - NSR365	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.2	28.6	30.5	30.7	30.7	30.7	30.7	30.7
	Exceedance Level	-	-	-17.8	-14.4	-12.5	-12.3	-14.6	-20.0	-26.1	-32.8
366 - NSR366	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.2	28.6	30.5	30.8	30.8	30.8	30.8	30.8
	Exceedance Level	-	-	-17.8	-14.4	-12.5	-12.2	-14.5	-19.9	-26.0	-32.7
367 - NSR367	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.3	28.8	30.6	30.9	30.9	30.9	30.9	30.9
	Exceedance Level	-	-	-17.7	-14.2	-12.4	-12.1	-12.1	-13.6	-18.5	-23.4
368 - NSR368	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.2	28.6	30.5	30.8	30.8	30.8	30.8	30.8
	Exceedance Level	-	-	-17.8	-14.4	-12.5	-12.2	-14.5	-19.9	-26.0	-32.7
369 - NSR369	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.0	27.4	29.3	29.6	29.6	29.6	29.6	29.6
	Exceedance Level	-	-	-19.0	-15.6	-13.7	-13.4	-13.4	-13.4	-15.3	-19.6
370 - NSR370	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.3	28.7	30.6	30.9	30.9	30.9	30.9	30.9
	Exceedance Level	-	-	-17.7	-14.3	-12.4	-12.1	-14.4	-19.8	-25.9	-32.6

Table A5.3 Total WEDG Noise Limits Compliance Table at NSRs – Night-time

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
371 - NSR371	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.9	29.3	31.2	31.5	31.5	31.5	31.5	31.5
	Exceedance Level	-	-	-17.1	-13.7	-11.8	-11.5	-13.8	-19.2	-25.3	-32.0
372 - NSR372	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.4	28.8	30.7	31.0	31.0	31.0	31.0	31.0
	Exceedance Level	-	-	-17.6	-14.2	-12.3	-12.0	-14.3	-19.7	-25.8	-32.5
373 - NSR373	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.3	28.7	30.6	30.9	30.9	30.9	30.9	30.9
	Exceedance Level	-	-	-17.7	-14.3	-12.4	-12.1	-14.4	-19.8	-25.9	-32.6
374 - NSR374	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.6	28.0	29.9	30.3	30.3	30.3	30.3	30.3
	Exceedance Level	-	-	-18.4	-15.0	-13.1	-12.7	-12.7	-12.7	-18.5	-24.9
375 - NSR375	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.3	28.7	30.6	30.9	30.9	30.9	30.9	30.9
	Exceedance Level	-	-	-17.7	-14.3	-12.4	-12.1	-14.4	-19.8	-25.9	-32.6
376 - NSR376	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.6	28.0	29.9	30.2	30.2	30.2	30.2	30.2
	Exceedance Level	-	-	-18.4	-15.0	-13.1	-12.8	-15.1	-20.5	-26.6	-33.3
377 - NSR377	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.7	28.1	30.0	30.3	30.3	30.3	30.3	30.3
	Exceedance Level	-	-	-18.3	-14.9	-13.0	-12.7	-15.0	-20.4	-26.5	-33.2
378 - NSR378	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.6	28.1	29.9	30.2	30.2	30.2	30.2	30.2
	Exceedance Level	-	-	-18.4	-14.9	-13.1	-12.8	-15.1	-20.5	-26.6	-33.3
379 - NSR379	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.7	28.1	30.0	30.3	30.3	30.3	30.3	30.3
	Exceedance Level	-	-	-18.3	-14.9	-13.0	-12.7	-15.0	-20.4	-26.5	-33.2
380 - NSR380	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.7	28.1	30.0	30.3	30.3	30.3	30.3	30.3
	Exceedance Level	-	-	-18.3	-14.9	-13.0	-12.7	-12.7	-12.7	-14.6	-18.9
381 - NSR381	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.0	28.4	30.3	30.6	30.6	30.6	30.6	30.6
	Exceedance Level	-	-	-18.0	-14.6	-12.7	-12.4	-14.7	-20.1	-26.2	-32.9
382 - NSR382	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.1	28.5	30.4	30.7	30.7	30.7	30.7	30.7
	Exceedance Level	-	-	-17.9	-14.5	-12.6	-12.3	-12.3	-13.8	-18.7	-23.6
383 - NSR383	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.5	28.9	30.8	31.1	31.1	31.1	31.1	31.1
	Exceedance Level	-	-	-17.5	-14.1	-12.2	-11.9	-11.9	-13.4	-18.3	-23.2
384 - NSR384	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.3	28.7	30.6	30.8	30.8	30.8	30.8	30.8
	Exceedance Level	-	-	-17.7	-14.3	-12.4	-12.2	-14.5	-19.9	-26.0	-32.7
385 - NSR385	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.3	27.7	29.6	29.9	29.9	29.9	29.9	29.9
	Exceedance Level	-	-	-18.7	-15.3	-13.4	-13.1	-15.4	-20.8	-26.9	-33.6
386 - NSR386	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.3	27.7	29.6	29.9	29.9	29.9	29.9	29.9
	Exceedance Level	-	-	-18.7	-15.3	-13.4	-13.1	-15.4	-20.8	-26.9	-33.6
387 - NSR387	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.0	28.4	30.3	30.6	30.6	30.6	30.6	30.6
	Exceedance Level	-	-	-18.0	-14.6	-12.7	-12.4	-14.7	-20.1	-26.2	-32.9
388 - NSR388	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	26.1	29.5	31.4	31.7	31.7	31.7	31.7	31.7
	Exceedance Level	-	-	-16.9	-13.5	-11.6	-11.3	-11.3	-11.3	-15.0	-20.5
389 - NSR389	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.9	29.3	31.1	31.4	31.4	31.4	31.4	31.4
	Exceedance Level	-	-	-17.1	-13.7	-11.9	-11.6	-13.9	-19.3	-25.4	-32.1
390 - NSR390	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	23.8	27.2	29.1	29.4	29.4	29.4	29.4	29.4
	Exceedance Level	-	-	-19.2	-15.8	-13.9	-13.6	-13.6	-13.6	-15.5	-19.8
391 - NSR391	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.4	27.8	29.7	29.9	29.9	29.9	29.9	29.9
	Exceedance Level	-	-	-18.6	-15.2	-13.3	-13.1	-15.4	-20.8	-26.9	-33.6
392 - NSR392	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.4	27.8	29.7	30.0	30.0	30.0	30.0	30.0
	Exceedance Level	-	-	-18.6	-15.2	-13.3	-13.0	-15.3	-20.7	-26.8	-33.5
393 - NSR393	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.3	27.7	29.6	29.9	29.9	29.9	29.9	29.9
	Exceedance Level	-	-	-18.7	-15.3	-13.4	-13.1	-15.4	-20.8	-26.9	-33.6
394 - NSR394	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.3	27.7	29.6	29.9	29.9	29.9	29.9	29.9
	Exceedance Level	-	-	-18.7	-15.3	-13.4	-13.1	-15.4	-20.8	-26.9	-33.6
395 - NSR395	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.3	27.7	29.6	29.9	29.9	29.9	29.9	29.9

Table A5.3 Total WEDG Noise Limits Compliance Table at NSRs – Night-time

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
	Exceedance Level	-	-	-18.7	-15.3	-13.4	-13.1	-15.4	-20.8	-26.9	-33.6
396 - NSR396	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	23.7	27.1	29.0	29.3	29.3	29.3	29.3	29.3
	Exceedance Level	-	-	-19.3	-15.9	-14.0	-13.7	-13.7	-13.7	-15.6	-19.9
397 - NSR397	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.5	28.9	30.8	31.1	31.1	31.1	31.1	31.1
	Exceedance Level	-	-	-17.5	-14.1	-12.2	-11.9	-11.9	-13.4	-18.3	-23.2
398 - NSR398	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	23.7	27.1	29.0	29.2	29.3	29.3	29.3	29.3
	Exceedance Level	-	-	-19.3	-15.9	-14.0	-13.8	-13.7	-13.7	-15.6	-19.9
399 - NSR399	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.6	28.0	29.9	30.2	30.2	30.2	30.2	30.2
	Exceedance Level	-	-	-18.4	-15.0	-13.1	-12.8	-12.8	-12.8	-14.7	-19.0
400 - NSR400	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.9	29.3	31.1	31.4	31.4	31.4	31.4	31.4
	Exceedance Level	-	-	-17.1	-13.7	-11.9	-11.6	-11.6	-11.6	-15.3	-20.8
401 - NSR401	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.8	29.2	31.1	31.4	31.4	31.4	31.4	31.4
	Exceedance Level	-	-	-17.2	-13.8	-11.9	-11.6	-11.6	-11.6	-15.3	-20.8
402 - NSR402	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.2	28.6	30.5	30.8	30.8	30.8	30.8	30.8
	Exceedance Level	-	-	-17.8	-14.4	-12.5	-12.2	-12.2	-12.2	-18.0	-24.4
403 - NSR403	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.9	29.3	31.2	31.5	31.5	31.5	31.5	31.5
	Exceedance Level	-	-	-17.1	-13.7	-11.8	-11.5	-11.5	-11.5	-15.2	-20.7
404 - NSR404	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.5	28.9	30.8	31.1	31.1	31.1	31.1	31.1
	Exceedance Level	-	-	-17.5	-14.1	-12.2	-11.9	-11.9	-13.4	-18.3	-23.2
405 - NSR405	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.4	28.8	30.7	31.0	31.0	31.0	31.0	31.0
	Exceedance Level	-	-	-17.6	-14.2	-12.3	-12.0	-12.0	-13.5	-18.4	-23.3
406 - NSR406	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.7	29.1	31.0	31.3	31.3	31.3	31.3	31.3
	Exceedance Level	-	-	-17.3	-13.9	-12.0	-11.7	-11.7	-11.7	-15.4	-20.9
407 - NSR407	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	23.5	26.9	28.8	29.1	29.1	29.1	29.1	29.1
	Exceedance Level	-	-	-19.5	-16.1	-14.2	-13.9	-13.9	-13.9	-15.8	-20.1
408 - NSR408	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.7	29.1	31.0	31.3	31.3	31.3	31.3	31.3
	Exceedance Level	-	-	-17.3	-13.9	-12.0	-11.7	-11.7	-11.7	-15.4	-20.9
409 - NSR409	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.4	28.8	30.7	31.0	31.0	31.0	31.0	31.0
	Exceedance Level	-	-	-17.6	-14.2	-12.3	-12.0	-12.0	-13.5	-18.4	-23.3
410 - NSR410	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	23.5	26.9	28.8	29.1	29.1	29.1	29.1	29.1
	Exceedance Level	-	-	-19.5	-16.1	-14.2	-13.9	-13.9	-13.9	-15.8	-20.1
411 - NSR411	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.5	27.9	29.8	30.1	30.1	30.1	30.1	30.1
	Exceedance Level	-	-	-18.5	-15.1	-13.2	-12.9	-12.9	-14.4	-19.3	-24.2
412 - NSR412	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.1	28.5	30.4	30.7	30.7	30.7	30.7	30.7
	Exceedance Level	-	-	-17.9	-14.5	-12.6	-12.3	-12.3	-12.3	-18.1	-24.5
413 - NSR413	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	23.4	26.8	28.7	29.0	29.0	29.0	29.0	29.0
	Exceedance Level	-	-	-19.6	-16.2	-14.3	-14.0	-14.0	-14.0	-15.9	-20.2
414 - NSR414	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.8	28.2	30.1	30.4	30.4	30.4	30.4	30.4
	Exceedance Level	-	-	-18.2	-14.8	-12.9	-12.6	-12.6	-14.1	-19.0	-23.9
415 - NSR415	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.1	28.5	30.4	30.6	30.6	30.6	30.6	30.6
	Exceedance Level	-	-	-17.9	-14.5	-12.6	-12.4	-12.4	-13.3	-17.2	-21.7
416 - NSR416	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	23.4	26.8	28.7	29.0	29.0	29.0	29.0	29.0
	Exceedance Level	-	-	-19.6	-16.2	-14.3	-14.0	-14.0	-14.0	-15.9	-20.2
417 - NSR417	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.1	28.5	30.4	30.7	30.7	30.7	30.7	30.7
	Exceedance Level	-	-	-17.9	-14.5	-12.6	-12.3	-12.3	-12.3	-18.1	-24.5
418 - NSR418	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.7	28.1	30.0	30.4	30.4	30.4	30.4	30.4
	Exceedance Level	-	-	-18.3	-14.9	-13.0	-12.6	-12.6	-12.6	-18.4	-24.8
419 - NSR419	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.1	28.5	30.4	30.7	30.7	30.7	30.7	30.7
	Exceedance Level	-	-	-17.9	-14.5	-12.6	-12.3	-12.3	-12.3	-18.1	-24.5
	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2

Table A5.3 Total WEDG Noise Limits Compliance Table at NSRs – Night-time

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
420 - NSR420	Cumulative Wind Turbine Noise LA90 dB	-	-	25.9	29.3	31.2	31.5	31.5	31.5	31.5	31.5
	Exceedance Level	-	-	-17.1	-13.7	-11.8	-11.5	-11.5	-11.5	-15.2	-20.7
421 - NSR421	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	23.3	26.7	28.6	28.9	28.9	28.9	28.9	28.9
	Exceedance Level	-	-	-19.7	-16.3	-14.4	-14.1	-14.1	-14.1	-16.0	-20.3
422 - NSR422	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.3	28.7	30.6	30.9	30.9	30.9	30.9	30.9
	Exceedance Level	-	-	-17.7	-14.3	-12.4	-12.1	-12.1	-13.6	-18.5	-23.4
423 - NSR423	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	23.3	26.7	28.6	28.9	28.9	28.9	28.9	28.9
	Exceedance Level	-	-	-19.7	-16.3	-14.4	-14.1	-14.1	-14.1	-16.0	-20.3
424 - NSR424	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.8	29.2	31.1	31.4	31.4	31.4	31.4	31.4
	Exceedance Level	-	-	-17.2	-13.8	-11.9	-11.6	-11.6	-11.6	-15.3	-20.8
425 - NSR425	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.4	27.8	29.7	30.0	30.0	30.0	30.0	30.0
	Exceedance Level	-	-	-18.6	-15.2	-13.3	-13.0	-13.0	-13.0	-18.8	-25.2
426 - NSR426	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.3	27.7	29.6	29.9	29.9	29.9	29.9	29.9
	Exceedance Level	-	-	-18.7	-15.3	-13.4	-13.1	-13.1	-14.6	-19.5	-24.4
427 - NSR427	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	23.4	26.8	28.7	29.0	29.0	29.0	29.0	29.0
	Exceedance Level	-	-	-19.6	-16.2	-14.3	-14.0	-14.0	-14.0	-15.9	-20.2
428 - NSR428	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.9	28.3	30.2	30.5	30.5	30.5	30.5	30.5
	Exceedance Level	-	-	-18.1	-14.7	-12.8	-12.5	-12.5	-13.4	-17.3	-21.8
429 - NSR429	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	23.2	26.6	28.5	28.8	28.8	28.8	28.8	28.8
	Exceedance Level	-	-	-19.8	-16.4	-14.5	-14.2	-14.2	-14.2	-16.1	-20.4
430 - NSR430	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.5	27.9	29.8	30.1	30.1	30.1	30.1	30.1
	Exceedance Level	-	-	-18.5	-15.1	-13.2	-12.9	-12.9	-14.4	-19.3	-24.2
431 - NSR431	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.3	28.7	30.6	30.9	30.9	30.9	30.9	30.9
	Exceedance Level	-	-	-17.7	-14.3	-12.4	-12.1	-12.1	-12.1	-15.8	-21.3
432 - NSR432	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.0	28.4	30.4	30.7	30.7	30.7	30.7	30.7
	Exceedance Level	-	-	-18.0	-14.6	-12.6	-12.3	-12.3	-12.3	-18.1	-24.5
433 - NSR433	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	23.2	26.6	28.5	28.8	28.8	28.8	28.8	28.8
	Exceedance Level	-	-	-19.8	-16.4	-14.5	-14.2	-14.2	-14.2	-16.1	-20.4
434 - NSR434	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.8	28.2	30.1	30.4	30.4	30.4	30.4	30.4
	Exceedance Level	-	-	-18.2	-14.8	-12.9	-12.6	-12.6	-13.5	-17.4	-21.9
435 - NSR435	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.4	28.8	30.7	31.0	31.0	31.0	31.0	31.0
	Exceedance Level	-	-	-17.6	-14.2	-12.3	-12.0	-12.0	-12.9	-16.8	-21.3
436 - NSR436	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.2	28.6	30.4	30.7	30.7	30.7	30.7	30.7
	Exceedance Level	-	-	-17.8	-14.4	-12.6	-12.3	-12.3	-12.3	-16.0	-21.5
437 - NSR437	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Cumulative Wind Turbine Noise LA90 dB	-	-	25.4	28.8	30.7	31.0	31.0	31.0	31.0	31.0
	Exceedance Level	-	-	-17.6	-14.2	-12.3	-12.0	-12.0	-12.9	-16.8	-21.3
438 - NSR438	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	24.9	28.3	30.2	30.5	30.5	30.5	30.5	30.5
	Exceedance Level	-	-	-18.1	-14.7	-12.8	-12.5	-12.5	-12.5	-16.2	-21.7
439 - NSR439	Total WEDG Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Cumulative Wind Turbine Noise LA90 dB	-	-	23.2	26.6	28.5	28.8	28.8	28.8	28.8	28.8
	Exceedance Level	-	-	-19.8	-16.4	-14.5	-14.2	-14.2	-14.2	-16.1	-20.4

Table A5.4 Site Specific Noise Limits Compliance Table at NSRs – Daytime

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
1 - NSR17 (NAL1)	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Proposed Development Noise LA90 dB	-	28.3	31.5	34.9	36.8	37.1	37.1	37.1	37.1	37.1
	Exceedance Level	-	-11.7	-8.5	-5.1	-3.2	-7.9	-7.9	-7.9	-12.0	-17.2
2 - NSR3 (NAL10)	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.3	50.5	54.4
	Proposed Development Noise LA90 dB	-	31.7	34.8	38.3	40.1	40.4	40.4	40.4	40.4	40.4
	Exceedance Level	-	-13.3	-10.2	-6.7	-4.9	-4.6	-4.6	-6.9	-10.1	-14.0
3 - NSR16 (NAL2)	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Proposed Development Noise LA90 dB	-	31.5	34.6	38.1	39.9	40.2	40.2	40.2	40.2	40.2
	Exceedance Level	-	-8.5	-5.4	-1.9	-5.1	-4.8	-4.8	-5.0	-9.0	-13.2
4 - NSR6 (NAL3)	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Proposed Development Noise LA90 dB	-	31.2	34.3	37.8	39.6	39.9	39.9	39.9	39.9	39.9
	Exceedance Level	-	-8.8	-5.7	-2.2	-5.4	-5.1	-5.1	-5.3	-9.3	-13.5
5 - NSR1 (NAL4)	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	32.2	35.4	38.8	40.6	40.9	40.9	40.9	40.9	40.9
	Exceedance Level	-	-12.8	-9.6	-6.2	-4.4	-4.1	-4.1	-4.7	-8.4	-12.6
6 - NSR15 (NAL5)	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	32.3	35.4	38.8	40.7	41.0	41.0	41.0	41.0	41.0
	Exceedance Level	-	-12.7	-9.6	-6.2	-4.3	-4.0	-7.4	-11.4	-16.0	-21.2
7 - NSR10 (NAL6)	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	32.0	35.1	38.5	40.4	40.7	40.7	40.7	40.7	40.7
	Exceedance Level	-	-13.0	-9.9	-6.5	-4.6	-4.3	-7.7	-11.7	-16.3	-21.5
8 - NSR31 (NAL7)	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	27.7	30.9	34.3	36.2	36.4	36.4	36.4	36.4	36.4
	Exceedance Level	-	-12.3	-14.1	-10.7	-8.8	-8.6	-8.6	-8.6	-11.3	-15.7
9 - NSR4 (NAL8)	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	30.4	33.5	37.0	38.8	39.1	39.1	39.1	39.1	39.1
	Exceedance Level	-	-9.6	-11.5	-8.0	-6.2	-5.9	-5.9	-5.9	-8.6	-13.0
10 - NSR5 (NAL9)	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Proposed Development Noise LA90 dB	-	31.9	35.1	38.5	40.4	40.7	40.7	40.7	40.7	40.7
	Exceedance Level	-	-8.1	-4.9	-1.5	-4.6	-4.3	-4.3	-4.3	-8.2	-13.9
11 - NSR2	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Proposed Development Noise LA90 dB	-	30.7	33.8	37.2	39.1	39.4	39.4	39.4	39.4	39.4
	Exceedance Level	-	-9.3	-6.2	-2.8	-5.9	-5.6	-5.6	-5.8	-9.8	-14.0
12 - NSR7	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Proposed Development Noise LA90 dB	-	30.7	33.9	37.3	39.1	39.4	39.4	39.4	39.4	39.4
	Exceedance Level	-	-9.3	-6.1	-2.7	-5.9	-5.6	-5.6	-5.8	-9.8	-14.0
13 - NSR9	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Proposed Development Noise LA90 dB	-	31.3	34.4	37.8	39.7	40.0	40.0	40.0	40.0	40.0
	Exceedance Level	-	-8.7	-5.6	-2.2	-5.3	-5.0	-5.0	-5.2	-9.2	-13.4
14 - NSR8	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	31.9	35.1	38.5	40.4	40.6	40.6	40.6	40.6	40.6
	Exceedance Level	-	-13.1	-9.9	-6.5	-4.6	-4.4	-4.4	-5.0	-8.7	-12.9
15 - NSR32	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	27.6	30.8	34.2	36.1	36.4	36.4	36.4	36.4	36.4
	Exceedance Level	-	-12.4	-14.2	-10.8	-8.9	-8.6	-8.6	-8.6	-11.3	-15.7
16 - NSR41	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	27.4	30.5	33.9	35.8	36.1	36.1	36.1	36.1	36.1
	Exceedance Level	-	-12.6	-14.5	-11.1	-9.2	-8.9	-8.9	-8.9	-11.6	-16.0
17 - NSR12	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Proposed Development Noise LA90 dB	-	30.3	33.4	36.8	38.7	39.0	39.0	39.0	39.0	39.0
	Exceedance Level	-	-9.7	-6.6	-3.2	-6.3	-6.0	-6.0	-6.2	-10.2	-14.4
18 - NSR14	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Proposed Development Noise LA90 dB	-	30.6	33.7	37.1	39.0	39.3	39.3	39.3	39.3	39.3
	Exceedance Level	-	-9.4	-6.3	-2.9	-6.0	-5.7	-5.7	-5.9	-9.9	-14.1
19 - NSR13	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Proposed Development Noise LA90 dB	-	30.7	33.9	37.3	39.2	39.4	39.4	39.4	39.4	39.4
	Exceedance Level	-	-9.3	-6.1	-2.7	-5.8	-5.6	-5.6	-5.8	-9.8	-14.0
20 - NSR44	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	27.2	30.3	33.7	35.6	35.9	35.9	35.9	35.9	35.9
	Exceedance Level	-	-12.8	-14.7	-11.3	-9.4	-9.1	-9.1	-9.1	-11.8	-16.2
21 - NSR11	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Proposed Development Noise LA90 dB	-	31.7	34.8	38.2	40.1	40.4	40.4	40.4	40.4	40.4
	Exceedance Level	-	-8.3	-5.2	-1.8	-4.9	-4.6	-4.6	-4.6	-8.5	-14.2
22 - NSR19	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Proposed Development Noise LA90 dB	-	29.8	33.0	36.4	38.2	38.5	38.5	38.5	38.5	38.5
	Exceedance Level	-	-10.2	-7.0	-3.6	-6.8	-6.5	-6.5	-6.7	-10.7	-14.9
23 - NSR18	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.3	50.5	54.4
	Proposed Development Noise LA90 dB	-	30.7	33.9	37.3	39.2	39.5	39.5	39.5	39.5	39.5
	Exceedance Level	-	-14.3	-11.1	-7.7	-5.8	-5.5	-5.5	-7.8	-11.0	-14.9
24 - NSR20	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	31.5	34.7	38.1	39.9	40.2	40.2	40.2	40.2	40.2
	Exceedance Level	-	-13.5	-10.3	-6.9	-5.1	-4.8	-4.8	-5.4	-9.1	-13.3
25 - NSR21	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.3	50.5	54.4
	Proposed Development Noise LA90 dB	-	30.6	33.8	37.2	39.1	39.3	39.3	39.3	39.3	39.3

Table A5.4 Site Specific Noise Limits Compliance Table at NSRs – Daytime

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
	Exceedance Level	-	-14.4	-11.2	-7.8	-5.9	-5.7	-5.7	-8.0	-11.2	-15.1
26 - NSR22	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	31.5	34.7	38.1	39.9	40.2	40.2	40.2	40.2	40.2
	Exceedance Level	-	-13.5	-10.3	-6.9	-5.1	-4.8	-8.2	-12.2	-16.8	-22.0
27 - NSR69	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	26.4	29.6	33.0	34.9	35.1	35.1	35.1	35.1	35.1
	Exceedance Level	-	-13.6	-15.4	-12.0	-10.1	-9.9	-9.9	-9.9	-12.6	-17.0
28 - NSR81	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	26.1	29.2	32.7	34.5	34.8	34.8	34.8	34.8	34.8
	Exceedance Level	-	-13.9	-15.8	-12.3	-10.5	-10.2	-10.2	-10.2	-12.9	-17.3
29 - NSR99	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	25.8	28.9	32.3	34.2	34.5	34.5	34.5	34.5	34.5
	Exceedance Level	-	-14.2	-16.1	-12.7	-10.8	-10.5	-10.5	-10.5	-13.2	-17.6
30 - NSR86	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	26.0	29.2	32.6	34.5	34.7	34.7	34.7	34.7	34.7
	Exceedance Level	-	-14.0	-15.8	-12.4	-10.5	-10.3	-10.3	-10.3	-13.0	-17.4
31 - NSR55	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	26.8	30.0	33.4	35.3	35.5	35.5	35.5	35.5	35.5
	Exceedance Level	-	-13.2	-15.0	-11.6	-9.7	-9.5	-9.5	-9.5	-12.2	-16.6
32 - NSR27	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Proposed Development Noise LA90 dB	-	29.8	33.0	36.4	38.2	38.5	38.5	38.5	38.5	38.5
	Exceedance Level	-	-10.2	-7.0	-3.6	-6.8	-6.5	-6.5	-6.7	-10.7	-14.9
33 - NSR26	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	29.0	32.1	35.6	37.4	37.7	37.7	37.7	37.7	37.7
	Exceedance Level	-	-16.0	-12.9	-9.4	-7.6	-7.3	-7.3	-7.9	-11.6	-15.8
34 - NSR24	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Proposed Development Noise LA90 dB	-	28.0	31.1	34.6	36.4	36.7	36.7	36.7	36.7	36.7
	Exceedance Level	-	-12.0	-8.9	-5.4	-3.6	-8.3	-8.3	-8.3	-12.4	-17.6
35 - NSR95	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	25.7	28.8	32.2	34.1	34.4	34.4	34.4	34.4	34.4
	Exceedance Level	-	-14.3	-16.2	-12.8	-10.9	-10.6	-10.6	-10.6	-13.3	-17.7
36 - NSR28	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	30.1	33.3	36.7	38.6	38.9	38.9	38.9	38.9	38.9
	Exceedance Level	-	-14.9	-11.7	-8.3	-6.4	-6.1	-6.1	-6.7	-10.4	-14.6
37 - NSR83	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	26.1	29.2	32.6	34.5	34.8	34.8	34.8	34.8	34.8
	Exceedance Level	-	-13.9	-15.8	-12.4	-10.5	-10.2	-10.2	-10.2	-12.9	-17.3
38 - NSR30	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Proposed Development Noise LA90 dB	-	30.3	33.5	36.9	38.8	39.0	39.0	39.0	39.0	39.0
	Exceedance Level	-	-9.7	-6.5	-3.1	-6.2	-6.0	-6.0	-6.0	-9.9	-15.6
39 - NSR25	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Proposed Development Noise LA90 dB	-	27.8	31.0	34.4	36.3	36.6	36.6	36.6	36.6	36.6
	Exceedance Level	-	-12.2	-9.0	-5.6	-3.7	-8.4	-8.4	-8.4	-12.5	-17.7
40 - NSR34	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Proposed Development Noise LA90 dB	-	28.8	32.0	35.4	37.3	37.6	37.6	37.6	37.6	37.6
	Exceedance Level	-	-11.2	-8.0	-4.6	-7.7	-7.4	-7.4	-7.6	-11.6	-15.8
41 - NSR105	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	25.4	28.6	32.0	33.9	34.1	34.1	34.1	34.1	34.1
	Exceedance Level	-	-14.6	-16.4	-13.0	-11.1	-10.9	-10.9	-10.9	-13.6	-18.0
42 - NSR33	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Proposed Development Noise LA90 dB	-	30.5	33.7	37.1	39.0	39.3	39.3	39.3	39.3	39.3
	Exceedance Level	-	-9.5	-6.3	-2.9	-6.0	-5.7	-5.7	-5.7	-9.6	-15.3
43 - NSR97	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	25.6	28.8	32.2	34.1	34.3	34.3	34.3	34.3	34.3
	Exceedance Level	-	-14.4	-16.2	-12.8	-10.9	-10.7	-10.7	-10.7	-13.4	-17.8
44 - NSR87	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	25.9	29.1	32.5	34.4	34.7	34.7	34.7	34.7	34.7
	Exceedance Level	-	-14.1	-15.9	-12.5	-10.6	-10.3	-10.3	-10.3	-13.0	-17.4
45 - NSR35	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	30.6	33.8	37.2	39.1	39.4	39.4	39.4	39.4	39.4
	Exceedance Level	-	-14.4	-11.2	-7.8	-5.9	-5.6	-9.0	-13.0	-17.6	-22.8
46 - NSR36	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Proposed Development Noise LA90 dB	-	30.1	33.2	36.6	38.5	38.8	38.8	38.8	38.8	38.8
	Exceedance Level	-	-9.9	-6.8	-3.4	-6.5	-6.2	-6.2	-6.2	-10.1	-15.8
47 - NSR37	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	30.2	33.4	36.8	38.7	38.9	38.9	38.9	38.9	38.9
	Exceedance Level	-	-14.8	-11.6	-8.2	-6.3	-6.1	-6.1	-6.7	-10.4	-14.6
48 - NSR72	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	26.4	29.6	33.0	34.9	35.2	35.2	35.2	35.2	35.2
	Exceedance Level	-	-13.6	-15.4	-12.0	-10.1	-9.8	-9.8	-9.8	-12.5	-16.9
49 - NSR38	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Proposed Development Noise LA90 dB	-	30.4	33.6	37.0	38.8	39.1	39.1	39.1	39.1	39.1
	Exceedance Level	-	-9.6	-6.4	-3.0	-6.2	-5.9	-5.9	-5.9	-9.8	-15.5
	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6

Table A5.4 Site Specific Noise Limits Compliance Table at NSRs – Daytime

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
50 - NSR49	Proposed Development Noise LA90 dB	-	30.0	33.1	36.6	38.4	38.7	38.7	38.7	38.7	38.7
	Exceedance Level	-	-10.0	-6.9	-3.4	-6.6	-6.3	-6.3	-6.3	-10.2	-15.9
51 - NSR40	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	29.8	33.0	36.4	38.2	38.5	38.5	38.5	38.5	38.5
	Exceedance Level	-	-15.2	-12.0	-8.6	-6.8	-6.5	-6.5	-7.1	-10.8	-15.0
52 - NSR43	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	30.3	33.5	36.9	38.7	39.0	39.0	39.0	39.0	39.0
	Exceedance Level	-	-14.7	-11.5	-8.1	-6.3	-6.0	-9.4	-13.4	-18.0	-23.2
53 - NSR29	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Proposed Development Noise LA90 dB	-	28.9	32.0	35.4	37.3	37.6	37.6	37.6	37.6	37.6
	Exceedance Level	-	-11.1	-8.0	-4.6	-7.7	-7.4	-7.4	-7.6	-11.6	-15.8
54 - NSR39	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Proposed Development Noise LA90 dB	-	27.1	30.2	33.7	35.5	35.8	35.8	35.8	35.8	35.8
	Exceedance Level	-	-12.9	-9.8	-6.3	-4.5	-9.2	-9.2	-9.2	-13.3	-18.5
55 - NSR47	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	30.0	33.2	36.6	38.5	38.8	38.8	38.8	38.8	38.8
	Exceedance Level	-	-15.0	-11.8	-8.4	-6.5	-6.2	-6.2	-6.8	-10.5	-14.7
56 - NSR50	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Proposed Development Noise LA90 dB	-	29.5	32.7	36.1	38.0	38.3	38.3	38.3	38.3	38.3
	Exceedance Level	-	-10.5	-7.3	-3.9	-7.0	-6.7	-6.7	-6.7	-10.6	-16.3
57 - NSR58	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Proposed Development Noise LA90 dB	-	28.8	31.9	35.3	37.2	37.5	37.5	37.5	37.5	37.5
	Exceedance Level	-	-11.2	-8.1	-4.7	-7.8	-7.5	-7.5	-7.7	-11.7	-15.9
58 - NSR53	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	29.9	33.1	36.5	38.4	38.7	38.7	38.7	38.7	38.7
	Exceedance Level	-	-15.1	-11.9	-8.5	-6.6	-6.3	-9.7	-13.7	-18.3	-23.5
59 - NSR56	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	27.8	31.0	34.4	36.3	36.5	36.5	36.5	36.5	36.5
	Exceedance Level	-	-17.2	-14.0	-10.6	-8.7	-8.5	-8.5	-9.1	-12.8	-17.0
60 - NSR64	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Proposed Development Noise LA90 dB	-	28.8	31.9	35.3	37.2	37.5	37.5	37.5	37.5	37.5
	Exceedance Level	-	-11.2	-8.1	-4.7	-7.8	-7.5	-7.5	-7.7	-11.7	-15.9
61 - NSR129	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	24.7	27.8	31.2	33.1	33.4	33.4	33.4	33.4	33.4
	Exceedance Level	-	-15.3	-17.2	-13.8	-11.9	-11.6	-11.6	-11.6	-14.3	-18.7
62 - NSR46	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Proposed Development Noise LA90 dB	-	26.7	29.8	33.3	35.1	35.4	35.4	35.4	35.4	35.4
	Exceedance Level	-	-13.3	-10.2	-6.7	-4.9	-9.6	-9.6	-9.6	-13.7	-18.9
63 - NSR42	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Proposed Development Noise LA90 dB	-	28.6	31.8	35.2	37.1	37.3	37.3	37.3	37.3	37.3
	Exceedance Level	-	-11.4	-8.2	-4.8	-7.9	-7.7	-7.7	-7.9	-11.9	-16.1
64 - NSR45	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Proposed Development Noise LA90 dB	-	26.7	29.9	33.3	35.1	35.4	35.4	35.4	35.4	35.4
	Exceedance Level	-	-13.3	-10.1	-6.7	-4.9	-9.6	-9.6	-9.6	-13.7	-18.9
65 - NSR67	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	29.5	32.7	36.1	38.0	38.2	38.2	38.2	38.2	38.2
	Exceedance Level	-	-15.5	-12.3	-8.9	-7.0	-6.8	-6.8	-7.4	-11.1	-15.3
66 - NSR79	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	26.5	29.6	33.1	34.9	35.2	35.2	35.2	35.2	35.2
	Exceedance Level	-	-13.5	-15.4	-11.9	-10.1	-9.8	-9.8	-9.8	-12.5	-16.9
67 - NSR54	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Proposed Development Noise LA90 dB	-	26.5	29.6	33.0	34.9	35.2	35.2	35.2	35.2	35.2
	Exceedance Level	-	-13.5	-10.4	-7.0	-5.1	-9.8	-9.8	-9.8	-13.9	-19.1
68 - NSR60	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Proposed Development Noise LA90 dB	-	26.4	29.6	33.0	34.8	35.1	35.1	35.1	35.1	35.1
	Exceedance Level	-	-13.6	-10.4	-7.0	-5.2	-9.9	-9.9	-9.9	-14.0	-19.2
69 - NSR52	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Proposed Development Noise LA90 dB	-	26.5	29.6	33.0	34.9	35.2	35.2	35.2	35.2	35.2
	Exceedance Level	-	-13.5	-10.4	-7.0	-5.1	-9.8	-9.8	-9.8	-13.9	-19.1
70 - NSR62	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Proposed Development Noise LA90 dB	-	26.3	29.5	32.9	34.8	35.1	35.1	35.1	35.1	35.1
	Exceedance Level	-	-13.7	-10.5	-7.1	-5.2	-9.9	-9.9	-9.9	-14.0	-19.2
71 - NSR66	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Proposed Development Noise LA90 dB	-	26.3	29.5	32.9	34.8	35.1	35.1	35.1	35.1	35.1
	Exceedance Level	-	-13.7	-10.5	-7.1	-5.2	-9.9	-9.9	-9.9	-14.0	-19.2
72 - NSR68	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Proposed Development Noise LA90 dB	-	26.3	29.5	32.9	34.8	35.1	35.1	35.1	35.1	35.1
	Exceedance Level	-	-13.7	-10.5	-7.1	-5.2	-9.9	-9.9	-9.9	-14.0	-19.2
73 - NSR71	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	29.2	32.4	35.8	37.7	37.9	37.9	37.9	37.9	37.9
	Exceedance Level	-	-15.8	-12.6	-9.2	-7.3	-7.1	-7.1	-7.7	-11.4	-15.6
74 - NSR57	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Proposed Development Noise LA90 dB	-	26.4	29.5	33.0	34.8	35.1	35.1	35.1	35.1	35.1
	Exceedance Level	-	-13.6	-10.5	-7.0	-5.2	-9.9	-9.9	-9.9	-14.0	-19.2

Table A5.4 Site Specific Noise Limits Compliance Table at NSRs – Daytime

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
75 - NSR73	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Proposed Development Noise LA90 dB	-	26.2	29.3	32.7	34.6	34.9	34.9	34.9	34.9	34.9
	Exceedance Level	-	-13.8	-10.7	-7.3	-5.4	-10.1	-10.1	-10.1	-14.2	-19.4
76 - NSR75	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	28.8	32.0	35.4	37.3	37.5	37.5	37.5	37.5	37.5
	Exceedance Level	-	-16.2	-13.0	-9.6	-7.7	-7.5	-10.9	-14.9	-19.5	-24.7
77 - NSR160	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	24.3	27.4	30.8	32.7	33.0	33.0	33.0	33.0	33.0
	Exceedance Level	-	-15.7	-17.6	-14.2	-12.3	-12.0	-12.0	-12.0	-14.7	-19.1
78 - NSR77	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Proposed Development Noise LA90 dB	-	28.9	32.1	35.5	37.4	37.7	37.7	37.7	37.7	37.7
	Exceedance Level	-	-11.1	-7.9	-4.5	-7.6	-7.3	-7.3	-7.3	-11.2	-16.9
79 - NSR78	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	29.0	32.2	35.6	37.5	37.7	37.7	37.7	37.7	37.7
	Exceedance Level	-	-16.0	-12.8	-9.4	-7.5	-7.3	-10.7	-14.7	-19.3	-24.5
80 - NSR84	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Proposed Development Noise LA90 dB	-	27.7	30.8	34.2	36.1	36.4	36.4	36.4	36.4	36.4
	Exceedance Level	-	-12.3	-9.2	-5.8	-8.9	-8.6	-8.6	-8.8	-12.8	-17.0
81 - NSR59	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Proposed Development Noise LA90 dB	-	28.7	31.9	35.3	37.2	37.5	37.5	37.5	37.5	37.5
	Exceedance Level	-	-11.3	-8.1	-4.7	-7.8	-7.5	-7.5	-7.7	-11.7	-15.9
82 - NSR74	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Proposed Development Noise LA90 dB	-	26.0	29.2	32.6	34.5	34.7	34.7	34.7	34.7	34.7
	Exceedance Level	-	-14.0	-10.8	-7.4	-5.5	-10.3	-10.3	-10.3	-14.4	-19.6
83 - NSR61	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Proposed Development Noise LA90 dB	-	27.4	30.5	34.0	35.8	36.1	36.1	36.1	36.1	36.1
	Exceedance Level	-	-12.6	-9.5	-6.0	-9.2	-8.9	-8.9	-9.1	-13.1	-17.3
84 - NSR92	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	26.0	29.2	32.6	34.5	34.7	34.7	34.7	34.7	34.7
	Exceedance Level	-	-14.0	-15.8	-12.4	-10.5	-10.3	-10.3	-10.3	-13.0	-17.4
85 - NSR80	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Proposed Development Noise LA90 dB	-	25.9	29.1	32.5	34.4	34.7	34.7	34.7	34.7	34.7
	Exceedance Level	-	-14.1	-10.9	-7.5	-5.6	-10.3	-10.3	-10.3	-14.4	-19.6
86 - NSR63	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Proposed Development Noise LA90 dB	-	27.5	30.6	34.1	35.9	36.2	36.2	36.2	36.2	36.2
	Exceedance Level	-	-12.5	-9.4	-5.9	-9.1	-8.8	-8.8	-9.0	-13.0	-17.2
87 - NSR76	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	28.9	32.0	35.4	37.3	37.6	37.6	37.6	37.6	37.6
	Exceedance Level	-	-16.1	-13.0	-9.6	-7.7	-7.4	-7.4	-8.0	-11.7	-15.9
88 - NSR70	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Proposed Development Noise LA90 dB	-	26.0	29.2	32.6	34.5	34.7	34.7	34.7	34.7	34.7
	Exceedance Level	-	-14.0	-10.8	-7.4	-5.5	-10.3	-10.3	-10.3	-14.4	-19.6
89 - NSR91	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	29.0	32.1	35.5	37.4	37.7	37.7	37.7	37.7	37.7
	Exceedance Level	-	-16.0	-12.9	-9.5	-7.6	-7.3	-7.3	-7.9	-11.6	-15.8
90 - NSR90	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Proposed Development Noise LA90 dB	-	25.6	28.8	32.2	34.1	34.4	34.4	34.4	34.4	34.4
	Exceedance Level	-	-14.4	-11.2	-7.8	-5.9	-10.6	-10.6	-10.6	-14.7	-19.9
91 - NSR51	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	28.3	31.5	34.9	36.8	37.0	37.0	37.0	37.0	37.0
	Exceedance Level	-	-16.7	-13.5	-10.1	-8.2	-8.0	-11.4	-15.4	-20.0	-25.2
92 - NSR96	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Proposed Development Noise LA90 dB	-	27.3	30.4	33.8	35.7	36.0	36.0	36.0	36.0	36.0
	Exceedance Level	-	-12.7	-9.6	-6.2	-9.3	-9.0	-9.0	-9.2	-13.2	-17.4
93 - NSR94	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	28.8	32.0	35.4	37.3	37.6	37.6	37.6	37.6	37.6
	Exceedance Level	-	-16.2	-13.0	-9.6	-7.7	-7.4	-10.8	-14.8	-19.4	-24.6
94 - NSR85	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Proposed Development Noise LA90 dB	-	25.7	28.9	32.3	34.2	34.4	34.4	34.4	34.4	34.4
	Exceedance Level	-	-14.3	-11.1	-7.7	-5.8	-10.6	-10.6	-10.6	-14.7	-19.9
95 - NSR108	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	25.7	28.9	32.3	34.2	34.4	34.4	34.4	34.4	34.4
	Exceedance Level	-	-14.3	-16.1	-12.7	-10.8	-10.6	-10.6	-10.6	-13.3	-17.7
96 - NSR100	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Proposed Development Noise LA90 dB	-	28.4	31.5	34.9	36.8	37.1	37.1	37.1	37.1	37.1
	Exceedance Level	-	-11.6	-8.5	-5.1	-8.2	-7.9	-7.9	-7.9	-11.8	-17.5
97 - NSR98	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Proposed Development Noise LA90 dB	-	25.5	28.6	32.0	33.9	34.2	34.2	34.2	34.2	34.2
	Exceedance Level	-	-14.5	-11.4	-8.0	-6.1	-10.8	-10.8	-10.8	-14.9	-20.1
98 - NSR88	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Proposed Development Noise LA90 dB	-	25.6	28.7	32.2	34.0	34.3	34.3	34.3	34.3	34.3
	Exceedance Level	-	-14.4	-11.3	-7.8	-6.0	-10.7	-10.7	-10.7	-14.8	-20.0
99 - NSR143	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Proposed Development Noise LA90 dB	-	26.6	29.7	33.1	35.0	35.3	35.3	35.3	35.3	35.3

Table A5.4 Site Specific Noise Limits Compliance Table at NSRs – Daytime

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
	Exceedance Level	-	-13.4	-10.3	-6.9	-10.0	-9.7	-9.7	-9.7	-13.6	-19.3
100 - NSR104	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.3	50.5	54.4
	Proposed Development Noise LA90 dB	-	28.0	31.2	34.6	36.5	36.7	36.7	36.7	36.7	36.7
	Exceedance Level	-	-17.0	-13.8	-10.4	-8.5	-8.3	-8.3	-10.6	-13.8	-17.7
101 - NSR112	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	25.5	28.7	32.1	34.0	34.2	34.2	34.2	34.2	34.2
	Exceedance Level	-	-14.5	-16.3	-12.9	-11.0	-10.8	-10.8	-10.8	-13.5	-17.9
102 - NSR206	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	23.7	26.9	30.3	32.2	32.5	32.5	32.5	32.5	32.5
	Exceedance Level	-	-16.3	-18.1	-14.7	-12.8	-12.5	-12.5	-12.5	-15.2	-19.6
103 - NSR106	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.3	50.5	54.4
	Proposed Development Noise LA90 dB	-	28.3	31.5	34.9	36.8	37.0	37.0	37.0	37.0	37.0
	Exceedance Level	-	-16.7	-13.5	-10.1	-8.2	-8.0	-8.0	-10.3	-13.5	-17.4
104 - NSR93	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Proposed Development Noise LA90 dB	-	25.4	28.5	31.9	33.8	34.1	34.1	34.1	34.1	34.1
	Exceedance Level	-	-14.6	-11.5	-8.1	-6.2	-10.9	-10.9	-10.9	-15.0	-20.2
105 - NSR212	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	23.5	26.7	30.1	32.0	32.2	32.2	32.2	32.2	32.2
	Exceedance Level	-	-16.5	-18.3	-14.9	-13.0	-12.8	-12.8	-12.8	-15.5	-19.9
106 - NSR110	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Proposed Development Noise LA90 dB	-	28.0	31.1	34.6	36.4	36.7	36.7	36.7	36.7	36.7
	Exceedance Level	-	-12.0	-8.9	-5.4	-8.6	-8.3	-8.3	-8.3	-12.2	-17.9
107 - NSR109	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Proposed Development Noise LA90 dB	-	25.1	28.3	31.7	33.6	33.9	33.9	33.9	33.9	33.9
	Exceedance Level	-	-14.9	-11.7	-8.3	-6.4	-11.1	-11.1	-11.1	-15.2	-20.4
108 - NSR216	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	23.5	26.6	30.1	31.9	32.2	32.2	32.2	32.2	32.2
	Exceedance Level	-	-16.5	-18.4	-14.9	-13.1	-12.8	-12.8	-12.8	-15.5	-19.9
109 - NSR102	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Proposed Development Noise LA90 dB	-	25.2	28.4	31.8	33.7	34.0	34.0	34.0	34.0	34.0
	Exceedance Level	-	-14.8	-11.6	-8.2	-6.3	-11.0	-11.0	-11.0	-15.1	-20.3
110 - NSR107	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	27.6	30.8	34.2	36.1	36.3	36.3	36.3	36.3	36.3
	Exceedance Level	-	-17.4	-14.2	-10.8	-8.9	-8.7	-12.1	-16.1	-20.7	-25.9
111 - NSR103	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Proposed Development Noise LA90 dB	-	25.2	28.4	31.8	33.6	33.9	33.9	33.9	33.9	33.9
	Exceedance Level	-	-14.8	-11.6	-8.2	-6.4	-11.1	-11.1	-11.1	-15.2	-20.4
112 - NSR113	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.3	50.5	54.4
	Proposed Development Noise LA90 dB	-	28.0	31.2	34.6	36.4	36.7	36.7	36.7	36.7	36.7
	Exceedance Level	-	-17.0	-13.8	-10.4	-8.6	-8.3	-8.3	-10.6	-13.8	-17.7
113 - NSR118	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Proposed Development Noise LA90 dB	-	25.3	28.5	31.9	33.7	34.0	34.0	34.0	34.0	34.0
	Exceedance Level	-	-14.7	-11.5	-8.1	-6.3	-11.0	-11.0	-11.0	-15.1	-20.3
114 - NSR115	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.3	50.5	54.4
	Proposed Development Noise LA90 dB	-	27.7	30.8	34.2	36.1	36.4	36.4	36.4	36.4	36.4
	Exceedance Level	-	-17.3	-14.2	-10.8	-8.9	-8.6	-8.6	-10.9	-14.1	-18.0
115 - NSR101	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	27.4	30.6	34.0	35.9	36.1	36.1	36.1	36.1	36.1
	Exceedance Level	-	-17.6	-14.4	-11.0	-9.1	-8.9	-12.3	-16.3	-20.9	-26.1
116 - NSR117	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Proposed Development Noise LA90 dB	-	24.9	28.0	31.4	33.3	33.6	33.6	33.6	33.6	33.6
	Exceedance Level	-	-15.1	-12.0	-8.6	-6.7	-11.4	-11.4	-11.4	-15.5	-20.7
117 - NSR119	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.3	50.5	54.4
	Proposed Development Noise LA90 dB	-	27.5	30.6	34.0	35.9	36.2	36.2	36.2	36.2	36.2
	Exceedance Level	-	-17.5	-14.4	-11.0	-9.1	-8.8	-8.8	-11.1	-14.3	-18.2
118 - NSR120	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	27.5	30.6	34.0	35.9	36.2	36.2	36.2	36.2	36.2
	Exceedance Level	-	-17.5	-14.4	-11.0	-9.1	-8.8	-12.2	-16.2	-20.8	-26.0
119 - NSR111	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	27.2	30.4	33.8	35.7	35.9	35.9	35.9	35.9	35.9
	Exceedance Level	-	-17.8	-14.6	-11.2	-9.3	-9.1	-12.5	-16.5	-21.1	-26.3
120 - NSR122	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	27.3	30.4	33.8	35.7	36.0	36.0	36.0	36.0	36.0
	Exceedance Level	-	-17.7	-14.6	-11.2	-9.3	-9.0	-12.4	-16.4	-21.0	-26.2
121 - NSR121	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	27.2	30.4	33.8	35.7	35.9	35.9	35.9	35.9	35.9
	Exceedance Level	-	-17.8	-14.6	-11.2	-9.3	-9.1	-12.5	-16.5	-21.1	-26.3
122 - NSR125	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	27.4	30.5	33.9	35.8	36.1	36.1	36.1	36.1	36.1
	Exceedance Level	-	-17.6	-14.5	-11.1	-9.2	-8.9	-12.3	-16.3	-20.9	-26.1
123 - NSR127	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	27.2	30.4	33.8	35.7	35.9	35.9	35.9	35.9	35.9
	Exceedance Level	-	-17.8	-14.6	-11.2	-9.3	-9.1	-9.1	-9.7	-13.4	-17.6
	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2

Table A5.4 Site Specific Noise Limits Compliance Table at NSRs – Daytime

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
124 - NSR130	Proposed Development Noise LA90 dB	-	27.1	30.3	33.7	35.6	35.9	35.9	35.9	35.9	35.9
	Exceedance Level	-	-17.9	-14.7	-11.3	-9.4	-9.1	-12.5	-16.5	-21.1	-26.3
125 - NSR215	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	23.3	26.5	29.9	31.8	32.0	32.0	32.0	32.0	32.0
	Exceedance Level	-	-16.7	-18.5	-15.1	-13.2	-13.0	-13.0	-13.0	-15.7	-20.1
126 - NSR134	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Proposed Development Noise LA90 dB	-	27.3	30.5	33.9	35.8	36.1	36.1	36.1	36.1	36.1
	Exceedance Level	-	-12.7	-9.5	-6.1	-9.2	-8.9	-8.9	-8.9	-12.8	-18.5
127 - NSR136	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	27.1	30.3	33.7	35.6	35.9	35.9	35.9	35.9	35.9
	Exceedance Level	-	-17.9	-14.7	-11.3	-9.4	-9.1	-12.5	-16.5	-21.1	-26.3
128 - NSR133	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Proposed Development Noise LA90 dB	-	24.5	27.6	31.0	32.9	33.2	33.2	33.2	33.2	33.2
	Exceedance Level	-	-15.5	-12.4	-9.0	-7.1	-11.8	-11.8	-11.8	-15.9	-21.1
129 - NSR135	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Proposed Development Noise LA90 dB	-	24.5	27.6	31.1	32.9	33.2	33.2	33.2	33.2	33.2
	Exceedance Level	-	-15.5	-12.4	-8.9	-7.1	-11.8	-11.8	-11.8	-15.9	-21.1
130 - NSR138	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Proposed Development Noise LA90 dB	-	27.3	30.5	33.9	35.8	36.0	36.0	36.0	36.0	36.0
	Exceedance Level	-	-12.7	-9.5	-6.1	-9.2	-9.0	-9.0	-9.0	-12.9	-18.6
131 - NSR116	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Proposed Development Noise LA90 dB	-	25.5	28.6	32.1	33.9	34.2	34.2	34.2	34.2	34.2
	Exceedance Level	-	-14.5	-11.4	-7.9	-11.1	-10.8	-10.8	-11.0	-15.0	-19.2
132 - NSR124	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	25.4	28.6	32.0	33.9	34.1	34.1	34.1	34.1	34.1
	Exceedance Level	-	-19.6	-16.4	-13.0	-11.1	-10.9	-14.3	-18.3	-22.9	-28.1
133 - NSR123	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	25.6	28.7	32.2	34.0	34.3	34.3	34.3	34.3	34.3
	Exceedance Level	-	-19.4	-16.3	-12.8	-11.0	-10.7	-14.1	-18.1	-22.7	-27.9
134 - NSR139	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	27.3	30.4	33.8	35.7	36.0	36.0	36.0	36.0	36.0
	Exceedance Level	-	-17.7	-14.6	-11.2	-9.3	-9.0	-12.4	-16.4	-21.0	-26.2
135 - NSR149	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Proposed Development Noise LA90 dB	-	24.7	27.9	31.3	33.2	33.4	33.4	33.4	33.4	33.4
	Exceedance Level	-	-15.3	-12.1	-8.7	-6.8	-11.6	-11.6	-11.6	-15.7	-20.9
136 - NSR241	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	23.0	26.2	29.6	31.5	31.7	31.7	31.7	31.7	31.7
	Exceedance Level	-	-17.0	-18.8	-15.4	-13.5	-13.3	-13.3	-13.3	-16.0	-20.4
137 - NSR142	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	25.5	28.7	32.1	33.9	34.2	34.2	34.2	34.2	34.2
	Exceedance Level	-	-19.5	-16.3	-12.9	-11.1	-10.8	-10.8	-11.4	-15.1	-19.3
138 - NSR141	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Proposed Development Noise LA90 dB	-	24.4	27.6	31.0	32.8	33.1	33.1	33.1	33.1	33.1
	Exceedance Level	-	-15.6	-12.4	-9.0	-7.2	-11.9	-11.9	-11.9	-16.0	-21.2
139 - NSR126	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	25.4	28.6	32.0	33.9	34.2	34.2	34.2	34.2	34.2
	Exceedance Level	-	-19.6	-16.4	-13.0	-11.1	-10.8	-14.2	-18.2	-22.8	-28.0
140 - NSR145	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	26.2	29.4	32.8	34.7	35.0	35.0	35.0	35.0	35.0
	Exceedance Level	-	-18.8	-15.6	-12.2	-10.3	-10.0	-10.0	-10.6	-14.3	-18.5
141 - NSR146	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Proposed Development Noise LA90 dB	-	25.3	28.5	31.9	33.8	34.1	34.1	34.1	34.1	34.1
	Exceedance Level	-	-14.7	-11.5	-8.1	-11.2	-10.9	-10.9	-11.1	-15.1	-19.3
142 - NSR147	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.3	50.5	54.4
	Proposed Development Noise LA90 dB	-	27.0	30.2	33.6	35.5	35.7	35.7	35.7	35.7	35.7
	Exceedance Level	-	-18.0	-14.8	-11.4	-9.5	-9.3	-9.3	-11.6	-14.8	-18.7
143 - NSR150	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	25.6	28.7	32.1	34.0	34.3	34.3	34.3	34.3	34.3
	Exceedance Level	-	-19.4	-16.3	-12.9	-11.0	-10.7	-10.7	-11.3	-15.0	-19.2
144 - NSR151	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	27.2	30.3	33.7	35.6	35.9	35.9	35.9	35.9	35.9
	Exceedance Level	-	-17.8	-14.7	-11.3	-9.4	-9.1	-12.5	-16.5	-21.1	-26.3
145 - NSR152	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Proposed Development Noise LA90 dB	-	25.3	28.5	31.9	33.7	34.0	34.0	34.0	34.0	34.0
	Exceedance Level	-	-14.7	-11.5	-8.1	-11.3	-11.0	-11.0	-11.2	-15.2	-19.4
146 - NSR153	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Proposed Development Noise LA90 dB	-	24.3	27.4	30.9	32.7	33.0	33.0	33.0	33.0	33.0
	Exceedance Level	-	-15.7	-12.6	-9.1	-7.3	-12.0	-12.0	-12.0	-16.1	-21.3
147 - NSR154	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	25.9	29.1	32.5	34.4	34.6	34.6	34.6	34.6	34.6
	Exceedance Level	-	-19.1	-15.9	-12.5	-10.6	-10.4	-10.4	-11.0	-14.7	-18.9
148 - NSR225	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	23.1	26.3	29.7	31.5	31.8	31.8	31.8	31.8	31.8
	Exceedance Level	-	-16.9	-18.7	-15.3	-13.5	-13.2	-13.2	-13.2	-15.9	-20.3

Table A5.4 Site Specific Noise Limits Compliance Table at NSRs – Daytime

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
149 - NSR155	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Proposed Development Noise LA90 dB	-	25.2	28.4	31.8	33.7	34.0	34.0	34.0	34.0	34.0
	Exceedance Level	-	-14.8	-11.6	-8.2	-11.3	-11.0	-11.0	-11.2	-15.2	-19.4
150 - NSR156	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	27.0	30.1	33.5	35.4	35.7	35.7	35.7	35.7	35.7
	Exceedance Level	-	-18.0	-14.9	-11.5	-9.6	-9.3	-9.3	-9.9	-13.6	-17.8
151 - NSR157	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	26.5	29.7	33.1	34.9	35.2	35.2	35.2	35.2	35.2
	Exceedance Level	-	-18.5	-15.3	-11.9	-10.1	-9.8	-9.8	-10.4	-14.1	-18.3
152 - NSR128	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	25.5	28.7	32.1	34.0	34.3	34.3	34.3	34.3	34.3
	Exceedance Level	-	-19.5	-16.3	-12.9	-11.0	-10.7	-14.1	-18.1	-22.7	-27.9
153 - NSR250	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	22.7	25.8	29.2	31.1	31.4	31.4	31.4	31.4	31.4
	Exceedance Level	-	-17.3	-19.2	-15.8	-13.9	-13.6	-13.6	-13.6	-16.3	-20.7
154 - NSR159	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	26.9	30.1	33.5	35.4	35.6	35.6	35.6	35.6	35.6
	Exceedance Level	-	-18.1	-14.9	-11.5	-9.6	-9.4	-9.4	-10.0	-13.7	-17.9
155 - NSR137	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Proposed Development Noise LA90 dB	-	24.2	27.4	30.8	32.7	32.9	32.9	32.9	32.9	32.9
	Exceedance Level	-	-15.8	-12.6	-9.2	-7.3	-12.1	-12.1	-12.1	-16.2	-21.4
156 - NSR161	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	25.2	28.4	31.8	33.7	34.0	34.0	34.0	34.0	34.0
	Exceedance Level	-	-19.8	-16.6	-13.2	-11.3	-11.0	-11.0	-11.6	-15.3	-19.5
157 - NSR163	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Proposed Development Noise LA90 dB	-	24.2	27.4	30.8	32.6	32.9	32.9	32.9	32.9	32.9
	Exceedance Level	-	-15.8	-12.6	-9.2	-7.4	-12.1	-12.1	-12.1	-16.2	-21.4
158 - NSR231	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	22.9	26.1	29.5	31.4	31.7	31.7	31.7	31.7	31.7
	Exceedance Level	-	-17.1	-18.9	-15.5	-13.6	-13.3	-13.3	-13.3	-16.0	-20.4
159 - NSR251	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	23.0	26.2	29.6	31.5	31.8	31.8	31.8	31.8	31.8
	Exceedance Level	-	-17.0	-18.8	-15.4	-13.5	-13.2	-13.2	-13.2	-15.9	-20.3
160 - NSR164	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	26.9	30.1	33.5	35.3	35.6	35.6	35.6	35.6	35.6
	Exceedance Level	-	-18.1	-14.9	-11.5	-9.7	-9.4	-9.4	-10.0	-13.7	-17.9
161 - NSR174	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Proposed Development Noise LA90 dB	-	24.4	27.5	31.0	32.8	33.1	33.1	33.1	33.1	33.1
	Exceedance Level	-	-15.6	-12.5	-9.0	-7.2	-11.9	-11.9	-11.9	-16.0	-21.2
162 - NSR167	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Proposed Development Noise LA90 dB	-	26.9	30.1	33.5	35.4	35.7	35.7	35.7	35.7	35.7
	Exceedance Level	-	-13.1	-9.9	-6.5	-9.6	-9.3	-9.3	-9.3	-13.2	-18.9
163 - NSR253	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	22.8	25.9	29.4	31.2	31.5	31.5	31.5	31.5	31.5
	Exceedance Level	-	-17.2	-19.1	-15.6	-13.8	-13.5	-13.5	-13.5	-16.2	-20.6
164 - NSR166	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.3	50.5	54.4
	Proposed Development Noise LA90 dB	-	26.9	30.1	33.5	35.3	35.6	35.6	35.6	35.6	35.6
	Exceedance Level	-	-18.1	-14.9	-11.5	-9.7	-9.4	-9.4	-11.7	-14.9	-18.8
165 - NSR131	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Proposed Development Noise LA90 dB	-	25.0	28.2	31.6	33.5	33.8	33.8	33.8	33.8	33.8
	Exceedance Level	-	-15.0	-11.8	-8.4	-11.5	-11.2	-11.2	-11.4	-15.4	-19.6
166 - NSR132	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Proposed Development Noise LA90 dB	-	24.9	28.1	31.5	33.4	33.7	33.7	33.7	33.7	33.7
	Exceedance Level	-	-15.1	-11.9	-8.5	-11.6	-11.3	-11.3	-11.5	-15.5	-19.7
167 - NSR252	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	22.5	25.7	29.1	30.9	31.2	31.2	31.2	31.2	31.2
	Exceedance Level	-	-17.5	-19.3	-15.9	-14.1	-13.8	-13.8	-13.8	-16.5	-20.9
168 - NSR169	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	25.8	29.0	32.4	34.3	34.5	34.5	34.5	34.5	34.5
	Exceedance Level	-	-19.2	-16.0	-12.6	-10.7	-10.5	-10.5	-11.1	-14.8	-19.0
169 - NSR170	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	25.8	29.0	32.4	34.3	34.6	34.6	34.6	34.6	34.6
	Exceedance Level	-	-19.2	-16.0	-12.6	-10.7	-10.4	-10.4	-11.0	-14.7	-18.9
170 - NSR172	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	25.4	28.6	32.0	33.9	34.1	34.1	34.1	34.1	34.1
	Exceedance Level	-	-19.6	-16.4	-13.0	-11.1	-10.9	-10.9	-11.5	-15.2	-19.4
171 - NSR175	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	26.9	30.0	33.4	35.3	35.6	35.6	35.6	35.6	35.6
	Exceedance Level	-	-18.1	-15.0	-11.6	-9.7	-9.4	-9.4	-10.0	-13.7	-17.9
172 - NSR176	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.3	50.5	54.4
	Proposed Development Noise LA90 dB	-	26.8	29.9	33.3	35.2	35.5	35.5	35.5	35.5	35.5
	Exceedance Level	-	-18.2	-15.1	-11.7	-9.8	-9.5	-9.5	-11.8	-15.0	-18.9
173 - NSR177	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	25.3	28.5	31.9	33.8	34.1	34.1	34.1	34.1	34.1

Table A5.4 Site Specific Noise Limits Compliance Table at NSRs – Daytime

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
	Exceedance Level	-	-19.7	-16.5	-13.1	-11.2	-10.9	-10.9	-11.5	-15.2	-19.4
174 - NSR178	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	25.7	28.9	32.3	34.2	34.4	34.4	34.4	34.4	34.4
	Exceedance Level	-	-19.3	-16.1	-12.7	-10.8	-10.6	-10.6	-11.2	-14.9	-19.1
175 - NSR179	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	25.7	28.8	32.2	34.1	34.4	34.4	34.4	34.4	34.4
	Exceedance Level	-	-19.3	-16.2	-12.8	-10.9	-10.6	-10.6	-11.2	-14.9	-19.1
176 - NSR180	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	26.8	30.0	33.4	35.3	35.6	35.6	35.6	35.6	35.6
	Exceedance Level	-	-18.2	-15.0	-11.6	-9.7	-9.4	-9.4	-10.0	-13.7	-17.9
177 - NSR183	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	25.5	28.7	32.1	33.9	34.2	34.2	34.2	34.2	34.2
	Exceedance Level	-	-19.5	-16.3	-12.9	-11.1	-10.8	-10.8	-11.4	-15.1	-19.3
178 - NSR144	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	25.3	28.5	31.9	33.8	34.0	34.0	34.0	34.0	34.0
	Exceedance Level	-	-19.7	-16.5	-13.1	-11.2	-11.0	-14.4	-18.4	-23.0	-28.2
179 - NSR184	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	25.4	28.6	32.0	33.9	34.2	34.2	34.2	34.2	34.2
	Exceedance Level	-	-19.6	-16.4	-13.0	-11.1	-10.8	-10.8	-11.4	-15.1	-19.3
180 - NSR262	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	22.9	26.0	29.5	31.3	31.6	31.6	31.6	31.6	31.6
	Exceedance Level	-	-17.1	-19.0	-15.5	-13.7	-13.4	-13.4	-13.4	-16.1	-20.5
181 - NSR185	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Proposed Development Noise LA90 dB	-	23.9	27.1	30.5	32.4	32.7	32.7	32.7	32.7	32.7
	Exceedance Level	-	-16.1	-12.9	-9.5	-7.6	-12.3	-12.3	-12.3	-16.4	-21.6
182 - NSR186	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Proposed Development Noise LA90 dB	-	24.9	28.1	31.5	33.4	33.7	33.7	33.7	33.7	33.7
	Exceedance Level	-	-15.1	-11.9	-8.5	-11.6	-11.3	-11.3	-11.5	-15.5	-19.7
183 - NSR187	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Proposed Development Noise LA90 dB	-	25.3	28.5	31.9	33.8	34.1	34.1	34.1	34.1	34.1
	Exceedance Level	-	-14.7	-11.5	-8.1	-11.2	-10.9	-10.9	-11.1	-15.1	-19.3
184 - NSR188	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Proposed Development Noise LA90 dB	-	24.9	28.1	31.5	33.3	33.6	33.6	33.6	33.6	33.6
	Exceedance Level	-	-15.1	-11.9	-8.5	-11.7	-11.4	-11.4	-11.6	-15.6	-19.8
185 - NSR239	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	22.7	25.9	29.3	31.2	31.5	31.5	31.5	31.5	31.5
	Exceedance Level	-	-17.3	-19.1	-15.7	-13.8	-13.5	-13.5	-13.5	-16.2	-20.6
186 - NSR158	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Proposed Development Noise LA90 dB	-	23.9	27.1	30.5	32.4	32.6	32.6	32.6	32.6	32.6
	Exceedance Level	-	-16.1	-12.9	-9.5	-7.6	-12.4	-12.4	-12.4	-16.5	-21.7
187 - NSR189	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	25.4	28.6	32.0	33.9	34.2	34.2	34.2	34.2	34.2
	Exceedance Level	-	-19.6	-16.4	-13.0	-11.1	-10.8	-10.8	-11.4	-15.1	-19.3
188 - NSR191	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	25.3	28.4	31.8	33.7	34.0	34.0	34.0	34.0	34.0
	Exceedance Level	-	-19.7	-16.6	-13.2	-11.3	-11.0	-11.0	-11.6	-15.3	-19.5
189 - NSR165	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	24.9	28.1	31.5	33.4	33.6	33.6	33.6	33.6	33.6
	Exceedance Level	-	-20.1	-16.9	-13.5	-11.6	-11.4	-14.8	-18.8	-23.4	-28.6
190 - NSR192	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	26.8	30.0	33.4	35.2	35.5	35.5	35.5	35.5	35.5
	Exceedance Level	-	-18.2	-15.0	-11.6	-9.8	-9.5	-9.5	-10.1	-13.8	-18.0
191 - NSR193	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Proposed Development Noise LA90 dB	-	24.8	28.0	31.4	33.3	33.6	33.6	33.6	33.6	33.6
	Exceedance Level	-	-15.2	-12.0	-8.6	-11.7	-11.4	-11.4	-11.6	-15.6	-19.8
192 - NSR194	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	25.2	28.4	31.8	33.7	34.0	34.0	34.0	34.0	34.0
	Exceedance Level	-	-19.8	-16.6	-13.2	-11.3	-11.0	-11.0	-11.6	-15.3	-19.5
193 - NSR265	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	22.7	25.9	29.3	31.2	31.5	31.5	31.5	31.5	31.5
	Exceedance Level	-	-17.3	-19.1	-15.7	-13.8	-13.5	-13.5	-13.5	-16.2	-20.6
194 - NSR148	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	25.4	28.6	32.0	33.9	34.2	34.2	34.2	34.2	34.2
	Exceedance Level	-	-19.6	-16.4	-13.0	-11.1	-10.8	-14.2	-18.2	-22.8	-28.0
195 - NSR196	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	26.8	29.9	33.3	35.2	35.5	35.5	35.5	35.5	35.5
	Exceedance Level	-	-18.2	-15.1	-11.7	-9.8	-9.5	-9.5	-10.1	-13.8	-18.0
196 - NSR198	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	26.1	29.2	32.6	34.5	34.8	34.8	34.8	34.8	34.8
	Exceedance Level	-	-18.9	-15.8	-12.4	-10.5	-10.2	-10.2	-10.8	-14.5	-18.7
197 - NSR199	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.3	50.5	54.4
	Proposed Development Noise LA90 dB	-	26.4	29.6	33.0	34.9	35.1	35.1	35.1	35.1	35.1
	Exceedance Level	-	-18.6	-15.4	-12.0	-10.1	-9.9	-9.9	-12.2	-15.4	-19.3
	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5

Table A5.4 Site Specific Noise Limits Compliance Table at NSRs – Daytime

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
198 - NSR200	Proposed Development Noise LA90 dB	-	26.1	29.3	32.7	34.6	34.8	34.8	34.8	34.8	34.8
	Exceedance Level	-	-18.9	-15.7	-12.3	-10.4	-10.2	-10.2	-10.8	-14.5	-18.7
199 - NSR171	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	25.0	28.2	31.6	33.5	33.7	33.7	33.7	33.7	33.7
	Exceedance Level	-	-20.0	-16.8	-13.4	-11.5	-11.3	-14.7	-18.7	-23.3	-28.5
200 - NSR201	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	25.0	28.1	31.6	33.4	33.7	33.7	33.7	33.7	33.7
	Exceedance Level	-	-20.0	-16.9	-13.4	-11.6	-11.3	-11.3	-11.9	-15.6	-19.8
201 - NSR168	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Proposed Development Noise LA90 dB	-	25.4	28.5	31.9	33.8	34.1	34.1	34.1	34.1	34.1
	Exceedance Level	-	-14.6	-11.5	-8.1	-11.2	-10.9	-10.9	-11.1	-15.1	-19.3
202 - NSR202	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Proposed Development Noise LA90 dB	-	26.4	29.5	33.0	34.8	35.1	35.1	35.1	35.1	35.1
	Exceedance Level	-	-13.6	-10.5	-7.0	-10.2	-9.9	-9.9	-9.9	-13.8	-19.5
203 - NSR274	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	22.7	25.9	29.3	31.2	31.5	31.5	31.5	31.5	31.5
	Exceedance Level	-	-17.3	-19.1	-15.7	-13.8	-13.5	-13.5	-13.5	-16.2	-20.6
204 - NSR162	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	25.4	28.6	32.0	33.8	34.1	34.1	34.1	34.1	34.1
	Exceedance Level	-	-19.6	-16.4	-13.0	-11.2	-10.9	-14.3	-18.3	-22.9	-28.1
205 - NSR204	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	26.3	29.5	32.9	34.7	35.0	35.0	35.0	35.0	35.0
	Exceedance Level	-	-18.7	-15.5	-12.1	-10.3	-10.0	-10.0	-10.6	-14.3	-18.5
206 - NSR230	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	23.2	26.3	29.7	31.6	31.9	31.9	31.9	31.9	31.9
	Exceedance Level	-	-16.8	-18.7	-15.3	-13.4	-13.1	-13.1	-13.1	-15.8	-20.2
207 - NSR284	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	22.3	25.4	28.8	30.7	31.0	31.0	31.0	31.0	31.0
	Exceedance Level	-	-17.7	-19.6	-16.2	-14.3	-14.0	-14.0	-14.0	-16.7	-21.1
208 - NSR195	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	24.6	27.8	31.2	33.0	33.3	33.3	33.3	33.3	33.3
	Exceedance Level	-	-20.4	-17.2	-13.8	-12.0	-11.7	-15.1	-19.1	-23.7	-28.9
209 - NSR205	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Proposed Development Noise LA90 dB	-	23.5	26.7	30.1	32.0	32.2	32.2	32.2	32.2	32.2
	Exceedance Level	-	-16.5	-13.3	-9.9	-8.0	-12.8	-12.8	-12.8	-16.9	-22.1
210 - NSR282	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	22.6	25.7	29.1	31.0	31.3	31.3	31.3	31.3	31.3
	Exceedance Level	-	-17.4	-19.3	-15.9	-14.0	-13.7	-13.7	-13.7	-16.4	-20.8
211 - NSR208	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	26.3	29.5	32.9	34.8	35.0	35.0	35.0	35.0	35.0
	Exceedance Level	-	-18.7	-15.5	-12.1	-10.2	-10.0	-10.0	-10.6	-14.3	-18.5
212 - NSR234	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	23.0	26.2	29.6	31.5	31.7	31.7	31.7	31.7	31.7
	Exceedance Level	-	-17.0	-18.8	-15.4	-13.5	-13.3	-13.3	-13.3	-16.0	-20.4
213 - NSR210	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Proposed Development Noise LA90 dB	-	26.2	29.4	32.8	34.7	34.9	34.9	34.9	34.9	34.9
	Exceedance Level	-	-13.8	-10.6	-7.2	-10.3	-10.1	-10.1	-10.1	-14.0	-19.7
214 - NSR190	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Proposed Development Noise LA90 dB	-	25.4	28.6	32.0	33.8	34.1	34.1	34.1	34.1	34.1
	Exceedance Level	-	-14.6	-11.4	-8.0	-11.2	-10.9	-10.9	-11.1	-15.1	-19.3
215 - NSR211	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	26.3	29.5	32.9	34.8	35.1	35.1	35.1	35.1	35.1
	Exceedance Level	-	-18.7	-15.5	-12.1	-10.2	-9.9	-9.9	-10.5	-14.2	-18.4
216 - NSR292	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	22.2	25.3	28.7	30.6	30.9	30.9	30.9	30.9	30.9
	Exceedance Level	-	-17.8	-19.7	-16.3	-14.4	-14.1	-14.1	-14.1	-16.8	-21.2
217 - NSR233	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	23.1	26.3	29.7	31.6	31.9	31.9	31.9	31.9	31.9
	Exceedance Level	-	-16.9	-18.7	-15.3	-13.4	-13.1	-13.1	-13.1	-15.8	-20.2
218 - NSR254	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	22.4	25.6	29.0	30.9	31.2	31.2	31.2	31.2	31.2
	Exceedance Level	-	-17.6	-19.4	-16.0	-14.1	-13.8	-13.8	-13.8	-16.5	-20.9
219 - NSR197	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	24.6	27.8	31.2	33.1	33.3	33.3	33.3	33.3	33.3
	Exceedance Level	-	-20.4	-17.2	-13.8	-11.9	-11.7	-15.1	-19.1	-23.7	-28.9
220 - NSR289	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	22.5	25.7	29.1	31.0	31.2	31.2	31.2	31.2	31.2
	Exceedance Level	-	-17.5	-19.3	-15.9	-14.0	-13.8	-13.8	-13.8	-16.5	-20.9
221 - NSR203	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	24.3	27.5	30.9	32.7	33.0	33.0	33.0	33.0	33.0
	Exceedance Level	-	-20.7	-17.5	-14.1	-12.3	-12.0	-15.4	-19.4	-24.0	-29.2
222 - NSR213	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.3	50.5	54.4
	Proposed Development Noise LA90 dB	-	26.2	29.4	32.8	34.7	35.0	35.0	35.0	35.0	35.0
	Exceedance Level	-	-18.8	-15.6	-12.2	-10.3	-10.0	-10.0	-12.3	-15.5	-19.4

Table A5.4 Site Specific Noise Limits Compliance Table at NSRs – Daytime

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
223 - NSR217	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	24.7	27.9	31.3	33.2	33.5	33.5	33.5	33.5	33.5
	Exceedance Level	-	-20.3	-17.1	-13.7	-11.8	-11.5	-11.5	-12.1	-15.8	-20.0
224 - NSR182	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	25.3	28.5	31.9	33.8	34.0	34.0	34.0	34.0	34.0
	Exceedance Level	-	-19.7	-16.5	-13.1	-11.2	-11.0	-14.4	-18.4	-23.0	-28.2
225 - NSR291	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	21.9	25.0	28.4	30.3	30.6	30.6	30.6	30.6	30.6
	Exceedance Level	-	-18.1	-20.0	-16.6	-14.7	-14.4	-14.4	-14.4	-17.1	-21.5
226 - NSR298	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	22.1	25.3	28.7	30.6	30.8	30.8	30.8	30.8	30.8
	Exceedance Level	-	-17.9	-19.7	-16.3	-14.4	-14.2	-14.2	-14.2	-16.9	-21.3
227 - NSR243	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	22.8	26.0	29.4	31.3	31.5	31.5	31.5	31.5	31.5
	Exceedance Level	-	-17.2	-19.0	-15.6	-13.7	-13.5	-13.5	-13.5	-16.2	-20.6
228 - NSR218	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.3	50.5	54.4
	Proposed Development Noise LA90 dB	-	26.0	29.2	32.6	34.5	34.7	34.7	34.7	34.7	34.7
	Exceedance Level	-	-19.0	-15.8	-12.4	-10.5	-10.3	-10.3	-12.6	-15.8	-19.7
229 - NSR220	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	24.5	27.7	31.1	33.0	33.3	33.3	33.3	33.3	33.3
	Exceedance Level	-	-20.5	-17.3	-13.9	-12.0	-11.7	-11.7	-12.3	-16.0	-20.2
230 - NSR222	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	24.6	27.8	31.2	33.0	33.3	33.3	33.3	33.3	33.3
	Exceedance Level	-	-20.4	-17.2	-13.8	-12.0	-11.7	-11.7	-12.3	-16.0	-20.2
231 - NSR268	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	22.2	25.4	28.8	30.6	30.9	30.9	30.9	30.9	30.9
	Exceedance Level	-	-17.8	-19.6	-16.2	-14.4	-14.1	-14.1	-14.1	-16.8	-21.2
232 - NSR237	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Proposed Development Noise LA90 dB	-	25.6	28.8	32.2	34.1	34.3	34.3	34.3	34.3	34.3
	Exceedance Level	-	-14.4	-11.2	-7.8	-10.9	-10.7	-10.7	-10.7	-14.6	-20.3
233 - NSR223	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.3	50.5	54.4
	Proposed Development Noise LA90 dB	-	25.6	28.7	32.2	34.0	34.3	34.3	34.3	34.3	34.3
	Exceedance Level	-	-19.4	-16.3	-12.8	-11.0	-10.7	-10.7	-13.0	-16.2	-20.1
234 - NSR240	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	23.0	26.2	29.6	31.4	31.7	31.7	31.7	31.7	31.7
	Exceedance Level	-	-17.0	-18.8	-15.4	-13.6	-13.3	-13.3	-13.3	-16.0	-20.4
235 - NSR227	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Proposed Development Noise LA90 dB	-	24.1	27.3	30.7	32.6	32.8	32.8	32.8	32.8	32.8
	Exceedance Level	-	-15.9	-12.7	-9.3	-12.4	-12.2	-12.2	-12.4	-16.4	-20.6
236 - NSR228	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	25.9	29.1	32.5	34.4	34.6	34.6	34.6	34.6	34.6
	Exceedance Level	-	-19.1	-15.9	-12.5	-10.6	-10.4	-10.4	-11.0	-14.7	-18.9
237 - NSR229	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	24.5	27.6	31.0	32.9	33.2	33.2	33.2	33.2	33.2
	Exceedance Level	-	-20.5	-17.4	-14.0	-12.1	-11.8	-11.8	-12.4	-16.1	-20.3
238 - NSR267	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Proposed Development Noise LA90 dB	-	24.9	28.1	31.5	33.4	33.6	33.6	33.6	33.6	33.6
	Exceedance Level	-	-15.1	-11.9	-8.5	-11.6	-11.4	-11.4	-11.4	-15.3	-21.0
239 - NSR286	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	21.9	25.1	28.5	30.3	30.6	30.6	30.6	30.6	30.6
	Exceedance Level	-	-18.1	-19.9	-16.5	-14.7	-14.4	-14.4	-14.4	-17.1	-21.5
240 - NSR224	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Proposed Development Noise LA90 dB	-	22.8	26.0	29.4	31.3	31.6	31.6	31.6	31.6	31.6
	Exceedance Level	-	-17.2	-14.0	-10.6	-8.7	-13.4	-13.4	-13.4	-17.5	-22.7
241 - NSR315	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	21.4	24.6	28.0	29.9	30.2	30.2	30.2	30.2	30.2
	Exceedance Level	-	-18.6	-20.4	-17.0	-15.1	-14.8	-14.8	-14.8	-17.5	-21.9
242 - NSR238	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Proposed Development Noise LA90 dB	-	24.0	27.2	30.6	32.5	32.7	32.7	32.7	32.7	32.7
	Exceedance Level	-	-16.0	-12.8	-9.4	-12.5	-12.3	-12.3	-12.5	-16.5	-20.7
243 - NSR280	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Proposed Development Noise LA90 dB	-	24.6	27.8	31.2	33.1	33.3	33.3	33.3	33.3	33.3
	Exceedance Level	-	-15.4	-12.2	-8.8	-11.9	-11.7	-11.7	-11.7	-15.6	-21.3
244 - NSR209	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	25.0	28.1	31.5	33.4	33.7	33.7	33.7	33.7	33.7
	Exceedance Level	-	-20.0	-16.9	-13.5	-11.6	-11.3	-14.7	-18.7	-23.3	-28.5
245 - NSR297	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	21.7	24.9	28.3	30.2	30.5	30.5	30.5	30.5	30.5
	Exceedance Level	-	-18.3	-20.1	-16.7	-14.8	-14.5	-14.5	-14.5	-17.2	-21.6
246 - NSR246	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	24.0	27.2	30.6	32.5	32.8	32.8	32.8	32.8	32.8
	Exceedance Level	-	-21.0	-17.8	-14.4	-12.5	-12.2	-12.2	-12.8	-16.5	-20.7
247 - NSR219	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	24.5	27.7	31.1	33.0	33.3	33.3	33.3	33.3	33.3

Table A5.4 Site Specific Noise Limits Compliance Table at NSRs – Daytime

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
	Exceedance Level	-	-20.5	-17.3	-13.9	-12.0	-11.7	-15.1	-19.1	-23.7	-28.9
248 - NSR277	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	22.2	25.4	28.8	30.7	30.9	30.9	30.9	30.9	30.9
	Exceedance Level	-	-17.8	-19.6	-16.2	-14.3	-14.1	-14.1	-14.1	-16.8	-21.2
249 - NSR248	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Proposed Development Noise LA90 dB	-	23.6	26.7	30.2	32.0	32.3	32.3	32.3	32.3	32.3
	Exceedance Level	-	-16.4	-13.3	-9.8	-13.0	-12.7	-12.7	-12.9	-16.9	-21.1
250 - NSR249	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.3	50.5	54.4
	Proposed Development Noise LA90 dB	-	25.4	28.6	32.0	33.9	34.2	34.2	34.2	34.2	34.2
	Exceedance Level	-	-19.6	-16.4	-13.0	-11.1	-10.8	-10.8	-13.1	-16.3	-20.2
251 - NSR221	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	24.8	27.9	31.3	33.2	33.5	33.5	33.5	33.5	33.5
	Exceedance Level	-	-20.2	-17.1	-13.7	-11.8	-11.5	-14.9	-18.9	-23.5	-28.7
252 - NSR305	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	21.6	24.8	28.2	30.0	30.3	30.3	30.3	30.3	30.3
	Exceedance Level	-	-18.4	-20.2	-16.8	-15.0	-14.7	-14.7	-14.7	-17.4	-21.8
253 - NSR255	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	24.1	27.2	30.6	32.5	32.8	32.8	32.8	32.8	32.8
	Exceedance Level	-	-20.9	-17.8	-14.4	-12.5	-12.2	-12.2	-12.8	-16.5	-20.7
254 - NSR256	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.3	50.5	54.4
	Proposed Development Noise LA90 dB	-	25.4	28.5	31.9	33.8	34.1	34.1	34.1	34.1	34.1
	Exceedance Level	-	-19.6	-16.5	-13.1	-11.2	-10.9	-10.9	-13.2	-16.4	-20.3
255 - NSR257	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.3	50.5	54.4
	Proposed Development Noise LA90 dB	-	25.3	28.5	31.9	33.8	34.1	34.1	34.1	34.1	34.1
	Exceedance Level	-	-19.7	-16.5	-13.1	-11.2	-10.9	-10.9	-13.2	-16.4	-20.3
256 - NSR236	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	24.7	27.9	31.3	33.1	33.4	33.4	33.4	33.4	33.4
	Exceedance Level	-	-20.3	-17.1	-13.7	-11.9	-11.6	-15.0	-19.0	-23.6	-28.8
257 - NSR226	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	24.6	27.8	31.2	33.1	33.3	33.3	33.3	33.3	33.3
	Exceedance Level	-	-20.4	-17.2	-13.8	-11.9	-11.7	-15.1	-19.1	-23.7	-28.9
258 - NSR301	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Proposed Development Noise LA90 dB	-	24.2	27.3	30.7	32.6	32.9	32.9	32.9	32.9	32.9
	Exceedance Level	-	-15.8	-12.7	-9.3	-12.4	-12.1	-12.1	-12.1	-16.0	-21.7
259 - NSR275	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	22.3	25.5	28.9	30.8	31.1	31.1	31.1	31.1	31.1
	Exceedance Level	-	-17.7	-19.5	-16.1	-14.2	-13.9	-13.9	-13.9	-16.6	-21.0
260 - NSR232	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	24.3	27.4	30.9	32.7	33.0	33.0	33.0	33.0	33.0
	Exceedance Level	-	-20.7	-17.6	-14.1	-12.3	-12.0	-15.4	-19.4	-24.0	-29.2
261 - NSR260	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.3	50.5	54.4
	Proposed Development Noise LA90 dB	-	25.3	28.5	31.9	33.8	34.1	34.1	34.1	34.1	34.1
	Exceedance Level	-	-19.7	-16.5	-13.1	-11.2	-10.9	-10.9	-13.2	-16.4	-20.3
262 - NSR258	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	24.8	27.9	31.3	33.2	33.5	33.5	33.5	33.5	33.5
	Exceedance Level	-	-20.2	-17.1	-13.7	-11.8	-11.5	-14.9	-18.9	-23.5	-28.7
263 - NSR235	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	24.5	27.7	31.1	33.0	33.3	33.3	33.3	33.3	33.3
	Exceedance Level	-	-20.5	-17.3	-13.9	-12.0	-11.7	-15.1	-19.1	-23.7	-28.9
264 - NSR309	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	21.6	24.8	28.2	30.0	30.3	30.3	30.3	30.3	30.3
	Exceedance Level	-	-18.4	-20.2	-16.8	-15.0	-14.7	-14.7	-14.7	-17.4	-21.8
265 - NSR263	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.3	50.5	54.4
	Proposed Development Noise LA90 dB	-	25.3	28.4	31.9	33.7	34.0	34.0	34.0	34.0	34.0
	Exceedance Level	-	-19.7	-16.6	-13.1	-11.3	-11.0	-11.0	-13.3	-16.5	-20.4
266 - NSR264	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.3	50.5	54.4
	Proposed Development Noise LA90 dB	-	25.2	28.4	31.8	33.7	34.0	34.0	34.0	34.0	34.0
	Exceedance Level	-	-19.8	-16.6	-13.2	-11.3	-11.0	-11.0	-13.3	-16.5	-20.4
267 - NSR283	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.3	50.5	54.4
	Proposed Development Noise LA90 dB	-	24.4	27.5	30.9	32.8	33.1	33.1	33.1	33.1	33.1
	Exceedance Level	-	-20.6	-17.5	-14.1	-12.2	-11.9	-11.9	-14.2	-17.4	-21.3
268 - NSR266	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.3	50.5	54.4
	Proposed Development Noise LA90 dB	-	24.9	28.1	31.5	33.3	33.6	33.6	33.6	33.6	33.6
	Exceedance Level	-	-20.1	-16.9	-13.5	-11.7	-11.4	-11.4	-13.7	-16.9	-20.8
269 - NSR247	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	24.5	27.7	31.1	33.0	33.2	33.2	33.2	33.2	33.2
	Exceedance Level	-	-20.5	-17.3	-13.9	-12.0	-11.8	-15.2	-19.2	-23.8	-29.0
270 - NSR270	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	24.8	28.0	31.4	33.3	33.6	33.6	33.6	33.6	33.6
	Exceedance Level	-	-20.2	-17.0	-13.6	-11.7	-11.4	-11.4	-12.0	-15.7	-19.9
271 - NSR271	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	23.7	26.9	30.3	32.1	32.4	32.4	32.4	32.4	32.4
	Exceedance Level	-	-21.3	-18.1	-14.7	-12.9	-12.6	-12.6	-13.2	-16.9	-21.1
	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2

Table A5.4 Site Specific Noise Limits Compliance Table at NSRs – Daytime

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
272 - NSR242	Proposed Development Noise LA90 dB	-	24.0	27.2	30.6	32.5	32.8	32.8	32.8	32.8	32.8
	Exceedance Level	-	-21.0	-17.8	-14.4	-12.5	-12.2	-15.6	-19.6	-24.2	-29.4
273 - NSR287	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.3	50.5	54.4
	Proposed Development Noise LA90 dB	-	24.3	27.5	30.9	32.8	33.1	33.1	33.1	33.1	33.1
	Exceedance Level	-	-20.7	-17.5	-14.1	-12.2	-11.9	-11.9	-14.2	-17.4	-21.3
274 - NSR272	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.3	50.5	54.4
	Proposed Development Noise LA90 dB	-	25.1	28.2	31.7	33.5	33.8	33.8	33.8	33.8	33.8
	Exceedance Level	-	-19.9	-16.8	-13.3	-11.5	-11.2	-11.2	-13.5	-16.7	-20.6
275 - NSR261	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	24.5	27.6	31.0	32.9	33.2	33.2	33.2	33.2	33.2
	Exceedance Level	-	-20.5	-17.4	-14.0	-12.1	-11.8	-15.2	-19.2	-23.8	-29.0
276 - NSR245	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	24.3	27.5	30.9	32.8	33.1	33.1	33.1	33.1	33.1
	Exceedance Level	-	-20.7	-17.5	-14.1	-12.2	-11.9	-15.3	-19.3	-23.9	-29.1
277 - NSR276	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	24.0	27.2	30.6	32.5	32.7	32.7	32.7	32.7	32.7
	Exceedance Level	-	-21.0	-17.8	-14.4	-12.5	-12.3	-12.3	-12.9	-16.6	-20.8
278 - NSR269	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	24.4	27.5	31.0	32.8	33.1	33.1	33.1	33.1	33.1
	Exceedance Level	-	-20.6	-17.5	-14.0	-12.2	-11.9	-15.3	-19.3	-23.9	-29.1
279 - NSR278	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.3	50.5	54.4
	Proposed Development Noise LA90 dB	-	24.6	27.7	31.2	33.0	33.3	33.3	33.3	33.3	33.3
	Exceedance Level	-	-20.4	-17.3	-13.8	-12.0	-11.7	-11.7	-14.0	-17.2	-21.1
280 - NSR281	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	24.0	27.2	30.6	32.4	32.7	32.7	32.7	32.7	32.7
	Exceedance Level	-	-21.0	-17.8	-14.4	-12.6	-12.3	-12.3	-12.9	-16.6	-20.8
281 - NSR273	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	24.3	27.5	30.9	32.8	33.1	33.1	33.1	33.1	33.1
	Exceedance Level	-	-20.7	-17.5	-14.1	-12.2	-11.9	-15.3	-19.3	-23.9	-29.1
282 - NSR259	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	24.2	27.4	30.8	32.7	32.9	32.9	32.9	32.9	32.9
	Exceedance Level	-	-20.8	-17.6	-14.2	-12.3	-12.1	-15.5	-19.5	-24.1	-29.3
283 - NSR293	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Proposed Development Noise LA90 dB	-	22.9	26.0	29.4	31.3	31.6	31.6	31.6	31.6	31.6
	Exceedance Level	-	-17.1	-14.0	-10.6	-13.7	-13.4	-13.4	-13.6	-17.6	-21.8
284 - NSR285	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	23.5	26.6	30.0	31.9	32.2	32.2	32.2	32.2	32.2
	Exceedance Level	-	-21.5	-18.4	-15.0	-13.1	-12.8	-12.8	-13.4	-17.1	-21.3
285 - NSR288	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	23.2	26.4	29.8	31.7	32.0	32.0	32.0	32.0	32.0
	Exceedance Level	-	-21.8	-18.6	-15.2	-13.3	-13.0	-13.0	-13.6	-17.3	-21.5
286 - NSR304	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	21.9	25.1	28.5	30.4	30.7	30.7	30.7	30.7	30.7
	Exceedance Level	-	-18.1	-19.9	-16.5	-14.6	-14.3	-14.3	-14.3	-17.0	-21.4
287 - NSR302	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	22.0	25.2	28.6	30.5	30.7	30.7	30.7	30.7	30.7
	Exceedance Level	-	-18.0	-19.8	-16.4	-14.5	-14.3	-14.3	-14.3	-17.0	-21.4
288 - NSR290	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	23.6	26.8	30.2	32.0	32.3	32.3	32.3	32.3	32.3
	Exceedance Level	-	-21.4	-18.2	-14.8	-13.0	-12.7	-12.7	-13.3	-17.0	-21.2
289 - NSR295	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	24.4	27.6	31.0	32.8	33.1	33.1	33.1	33.1	33.1
	Exceedance Level	-	-20.6	-17.4	-14.0	-12.2	-11.9	-15.3	-19.3	-23.9	-29.1
290 - NSR296	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	23.5	26.6	30.1	31.9	32.2	32.2	32.2	32.2	32.2
	Exceedance Level	-	-21.5	-18.4	-14.9	-13.1	-12.8	-12.8	-13.4	-17.1	-21.3
291 - NSR311	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	21.9	25.1	28.5	30.3	30.6	30.6	30.6	30.6	30.6
	Exceedance Level	-	-18.1	-19.9	-16.5	-14.7	-14.4	-14.4	-14.4	-17.1	-21.5
292 - NSR299	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Proposed Development Noise LA90 dB	-	22.8	25.9	29.3	31.2	31.5	31.5	31.5	31.5	31.5
	Exceedance Level	-	-17.2	-14.1	-10.7	-13.8	-13.5	-13.5	-13.7	-17.7	-21.9
293 - NSR300	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	23.1	26.2	29.6	31.5	31.8	31.8	31.8	31.8	31.8
	Exceedance Level	-	-21.9	-18.8	-15.4	-13.5	-13.2	-13.2	-13.8	-17.5	-21.7
294 - NSR303	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	23.3	26.4	29.8	31.7	32.0	32.0	32.0	32.0	32.0
	Exceedance Level	-	-21.7	-18.6	-15.2	-13.3	-13.0	-13.0	-13.6	-17.3	-21.5
295 - NSR307	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	24.1	27.2	30.6	32.5	32.8	32.8	32.8	32.8	32.8
	Exceedance Level	-	-20.9	-17.8	-14.4	-12.5	-12.2	-15.6	-19.6	-24.2	-29.4
296 - NSR312	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.3	50.5	54.4
	Proposed Development Noise LA90 dB	-	24.0	27.2	30.6	32.4	32.7	32.7	32.7	32.7	32.7
	Exceedance Level	-	-21.0	-17.8	-14.4	-12.6	-12.3	-12.3	-14.6	-17.8	-21.7

Table A5.4 Site Specific Noise Limits Compliance Table at NSRs – Daytime

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
297 - NSR306	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	22.3	25.5	28.9	30.8	31.0	31.0	31.0	31.0	31.0
	Exceedance Level	-	-22.7	-19.5	-16.1	-14.2	-14.0	-17.4	-21.4	-26.0	-31.2
298 - NSR313	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	24.1	27.3	30.7	32.6	32.8	32.8	32.8	32.8	32.8
	Exceedance Level	-	-20.9	-17.7	-14.3	-12.4	-12.2	-15.6	-19.6	-24.2	-29.4
299 - NSR308	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	23.8	26.9	30.3	32.2	32.5	32.5	32.5	32.5	32.5
	Exceedance Level	-	-21.2	-18.1	-14.7	-12.8	-12.5	-15.9	-19.9	-24.5	-29.7
300 - NSR89	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Proposed Development Noise LA90 dB	-	27.3	30.4	33.8	35.7	36.0	36.0	36.0	36.0	36.0
	Exceedance Level	-	-12.7	-9.6	-6.2	-9.3	-9.0	-9.0	-9.2	-13.2	-17.4
301 - NSR310	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	23.2	26.4	29.8	31.7	32.0	32.0	32.0	32.0	32.0
	Exceedance Level	-	-21.8	-18.6	-15.2	-13.3	-13.0	-16.4	-20.4	-25.0	-30.2
302 - NSR314	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	23.8	26.9	30.4	32.2	32.5	32.5	32.5	32.5	32.5
	Exceedance Level	-	-21.2	-18.1	-14.6	-12.8	-12.5	-15.9	-19.9	-24.5	-29.7
303 - NSR140	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	27.2	30.3	33.8	35.6	35.9	35.9	35.9	35.9	35.9
	Exceedance Level	-	-17.8	-14.7	-11.2	-9.4	-9.1	-9.1	-9.7	-13.4	-17.6
304 - NSR173	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	26.9	30.1	33.5	35.4	35.6	35.6	35.6	35.6	35.6
	Exceedance Level	-	-18.1	-14.9	-11.5	-9.6	-9.4	-9.4	-10.0	-13.7	-17.9
305 - NSR181	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	25.8	28.9	32.3	34.2	34.5	34.5	34.5	34.5	34.5
	Exceedance Level	-	-19.2	-16.1	-12.7	-10.8	-10.5	-10.5	-11.1	-14.8	-19.0
306 - NSR244	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	23.8	27.0	30.4	32.3	32.6	32.6	32.6	32.6	32.6
	Exceedance Level	-	-21.2	-18.0	-14.6	-12.7	-12.4	-12.4	-13.0	-16.7	-20.9
307 - NSR279	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	22.4	25.5	29.0	30.8	31.1	31.1	31.1	31.1	31.1
	Exceedance Level	-	-17.6	-19.5	-16.0	-14.2	-13.9	-13.9	-13.9	-16.6	-21.0
308 - NSR65	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Proposed Development Noise LA90 dB	-	29.3	32.5	35.9	37.7	38.0	38.0	38.0	38.0	38.0
	Exceedance Level	-	-10.7	-7.5	-4.1	-7.3	-7.0	-7.0	-7.0	-10.9	-16.6
309 - NSR207	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Proposed Development Noise LA90 dB	-	23.2	26.4	29.8	31.7	31.9	31.9	31.9	31.9	31.9
	Exceedance Level	-	-16.8	-13.6	-10.2	-8.3	-13.1	-13.1	-13.1	-17.2	-22.4
310 - NSR82	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	28.9	32.1	35.5	37.4	37.6	37.6	37.6	37.6	37.6
	Exceedance Level	-	-11.1	-12.9	-9.5	-7.6	-7.4	-7.4	-7.4	-10.1	-14.5
311 - NSR48	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Proposed Development Noise LA90 dB	-	28.8	32.0	35.4	37.2	37.5	37.5	37.5	37.5	37.5
	Exceedance Level	-	-11.2	-8.0	-4.6	-7.8	-7.5	-7.5	-7.7	-11.7	-15.9
312 - NSR23	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Proposed Development Noise LA90 dB	-	31.3	34.5	37.9	39.8	40.0	40.0	40.0	40.0	40.0
	Exceedance Level	-	-8.7	-5.5	-2.1	-5.2	-5.0	-5.0	-5.0	-8.9	-14.6
313 - NSR114	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Proposed Development Noise LA90 dB	-	27.9	31.1	34.5	36.4	36.6	36.6	36.6	36.6	36.6
	Exceedance Level	-	-12.1	-8.9	-5.5	-8.6	-8.4	-8.4	-8.4	-12.3	-18.0
314 - NSR214	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Proposed Development Noise LA90 dB	-	26.0	29.2	32.6	34.4	34.7	34.7	34.7	34.7	34.7
	Exceedance Level	-	-14.0	-10.8	-7.4	-10.6	-10.3	-10.3	-10.3	-14.2	-19.9
315 - NSR294	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.3	50.5	54.4
	Proposed Development Noise LA90 dB	-	24.1	27.3	30.7	32.6	32.9	32.9	32.9	32.9	32.9
	Exceedance Level	-	-20.9	-17.7	-14.3	-12.4	-12.1	-12.1	-14.4	-17.6	-21.5
316 - NSR316	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	23.1	26.3	29.7	31.6	31.8	31.8	31.8	31.8	31.8
	Exceedance Level	-	-21.9	-18.7	-15.3	-13.4	-13.2	-16.6	-20.6	-25.2	-30.4
317 - NSR317	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	21.5	24.7	28.1	30.0	30.3	30.3	30.3	30.3	30.3
	Exceedance Level	-	-18.5	-20.3	-16.9	-15.0	-14.7	-14.7	-14.7	-17.4	-21.8
318 - NSR318	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	21.8	24.9	28.4	30.2	30.5	30.5	30.5	30.5	30.5
	Exceedance Level	-	-18.2	-20.1	-16.6	-14.8	-14.5	-14.5	-14.5	-17.2	-21.6
319 - NSR319	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	22.1	25.3	28.7	30.6	30.9	30.9	30.9	30.9	30.9
	Exceedance Level	-	-17.9	-19.7	-16.3	-14.4	-14.1	-14.1	-14.1	-16.8	-21.2
320 - NSR320	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Proposed Development Noise LA90 dB	-	22.4	25.5	28.9	30.8	31.1	31.1	31.1	31.1	31.1
	Exceedance Level	-	-17.6	-14.5	-11.1	-14.2	-13.9	-13.9	-14.1	-18.1	-22.3
321 - NSR321	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	22.9	26.1	29.5	31.4	31.7	31.7	31.7	31.7	31.7

Table A5.4 Site Specific Noise Limits Compliance Table at NSRs – Daytime

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
	Exceedance Level	-	-22.1	-18.9	-15.5	-13.6	-13.3	-13.3	-13.9	-17.6	-21.8
322 - NSR322	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	22.2	25.4	28.8	30.7	30.9	30.9	30.9	30.9	30.9
	Exceedance Level	-	-17.8	-19.6	-16.2	-14.3	-14.1	-14.1	-14.1	-16.8	-21.2
323 - NSR323	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	22.0	25.1	28.5	30.4	30.7	30.7	30.7	30.7	30.7
	Exceedance Level	-	-18.0	-19.9	-16.5	-14.6	-14.3	-14.3	-14.3	-17.0	-21.4
324 - NSR324	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	22.5	25.7	29.1	31.0	31.2	31.2	31.2	31.2	31.2
	Exceedance Level	-	-17.5	-19.3	-15.9	-14.0	-13.8	-13.8	-13.8	-16.5	-20.9
325 - NSR325	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	21.2	24.4	27.8	29.7	30.0	30.0	30.0	30.0	30.0
	Exceedance Level	-	-18.8	-20.6	-17.2	-15.3	-15.0	-15.0	-15.0	-17.7	-22.1
326 - NSR326	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	21.5	24.7	28.1	30.0	30.2	30.2	30.2	30.2	30.2
	Exceedance Level	-	-18.5	-20.3	-16.9	-15.0	-14.8	-14.8	-14.8	-17.5	-21.9
327 - NSR327	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Proposed Development Noise LA90 dB	-	21.1	24.2	27.6	29.5	29.8	29.8	29.8	29.8	29.8
	Exceedance Level	-	-18.9	-15.8	-12.4	-10.5	-15.2	-15.2	-15.2	-19.3	-24.5
328 - NSR328	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.3	50.5	54.4
	Proposed Development Noise LA90 dB	-	23.6	26.8	30.2	32.1	32.4	32.4	32.4	32.4	32.4
	Exceedance Level	-	-21.4	-18.2	-14.8	-12.9	-12.6	-12.6	-14.9	-18.1	-22.0
329 - NSR329	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	22.0	25.1	28.6	30.4	30.7	30.7	30.7	30.7	30.7
	Exceedance Level	-	-18.0	-19.9	-16.4	-14.6	-14.3	-14.3	-14.3	-17.0	-21.4
330 - NSR330	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	23.6	26.8	30.2	32.1	32.4	32.4	32.4	32.4	32.4
	Exceedance Level	-	-21.4	-18.2	-14.8	-12.9	-12.6	-12.6	-13.2	-16.9	-21.1
331 - NSR331	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	22.8	26.0	29.4	31.3	31.6	31.6	31.6	31.6	31.6
	Exceedance Level	-	-22.2	-19.0	-15.6	-13.7	-13.4	-13.4	-14.0	-17.7	-21.9
332 - NSR332	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Proposed Development Noise LA90 dB	-	21.9	25.1	28.5	30.4	30.6	30.6	30.6	30.6	30.6
	Exceedance Level	-	-18.1	-14.9	-11.5	-14.6	-14.4	-14.4	-14.6	-18.6	-22.8
333 - NSR333	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	23.2	26.4	29.8	31.7	32.0	32.0	32.0	32.0	32.0
	Exceedance Level	-	-21.8	-18.6	-15.2	-13.3	-13.0	-16.4	-20.4	-25.0	-30.2
334 - NSR334	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	21.1	24.3	27.7	29.6	29.9	29.9	29.9	29.9	29.9
	Exceedance Level	-	-18.9	-20.7	-17.3	-15.4	-15.1	-15.1	-15.1	-17.8	-22.2
335 - NSR335	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	22.2	25.4	28.8	30.6	30.9	30.9	30.9	30.9	30.9
	Exceedance Level	-	-17.8	-19.6	-16.2	-14.4	-14.1	-14.1	-14.1	-16.8	-21.2
336 - NSR336	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	22.8	26.0	29.4	31.3	31.5	31.5	31.5	31.5	31.5
	Exceedance Level	-	-22.2	-19.0	-15.6	-13.7	-13.5	-16.9	-20.9	-25.5	-30.7
337 - NSR337	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	22.8	25.9	29.3	31.2	31.5	31.5	31.5	31.5	31.5
	Exceedance Level	-	-22.2	-19.1	-15.7	-13.8	-13.5	-13.5	-14.1	-17.8	-22.0
338 - NSR338	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Proposed Development Noise LA90 dB	-	20.9	24.0	27.5	29.3	29.6	29.6	29.6	29.6	29.6
	Exceedance Level	-	-19.1	-16.0	-12.5	-10.7	-15.4	-15.4	-15.4	-19.5	-24.7
339 - NSR339	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	22.8	26.0	29.4	31.3	31.5	31.5	31.5	31.5	31.5
	Exceedance Level	-	-22.2	-19.0	-15.6	-13.7	-13.5	-16.9	-20.9	-25.5	-30.7
340 - NSR340	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	22.7	25.9	29.3	31.2	31.5	31.5	31.5	31.5	31.5
	Exceedance Level	-	-22.3	-19.1	-15.7	-13.8	-13.5	-16.9	-20.9	-25.5	-30.7
341 - NSR341	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	21.0	24.2	27.6	29.5	29.8	29.8	29.8	29.8	29.8
	Exceedance Level	-	-19.0	-20.8	-17.4	-15.5	-15.2	-15.2	-15.2	-17.9	-22.3
342 - NSR342	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	23.3	26.5	29.9	31.8	32.0	32.0	32.0	32.0	32.0
	Exceedance Level	-	-21.7	-18.5	-15.1	-13.2	-13.0	-16.4	-20.4	-25.0	-30.2
343 - NSR343	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	22.8	26.0	29.4	31.3	31.5	31.5	31.5	31.5	31.5
	Exceedance Level	-	-22.2	-19.0	-15.6	-13.7	-13.5	-16.9	-20.9	-25.5	-30.7
344 - NSR344	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	21.1	24.3	27.7	29.6	29.9	29.9	29.9	29.9	29.9
	Exceedance Level	-	-18.9	-20.7	-17.3	-15.4	-15.1	-15.1	-15.1	-17.8	-22.2
345 - NSR345	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	21.1	24.3	27.7	29.6	29.9	29.9	29.9	29.9	29.9
	Exceedance Level	-	-18.9	-20.7	-17.3	-15.4	-15.1	-15.1	-15.1	-17.8	-22.2
	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1

Table A5.4 Site Specific Noise Limits Compliance Table at NSRs – Daytime

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
346 - NSR346	Proposed Development Noise LA90 dB	-	21.0	24.2	27.6	29.5	29.8	29.8	29.8	29.8	29.8
	Exceedance Level	-	-19.0	-20.8	-17.4	-15.5	-15.2	-15.2	-15.2	-17.9	-22.3
347 - NSR347	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Proposed Development Noise LA90 dB	-	23.3	26.5	29.9	31.8	32.0	32.0	32.0	32.0	32.0
	Exceedance Level	-	-16.7	-13.5	-10.1	-13.2	-13.0	-13.0	-13.0	-16.9	-22.6
348 - NSR348	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	21.7	24.8	28.3	30.1	30.4	30.4	30.4	30.4	30.4
	Exceedance Level	-	-18.3	-20.2	-16.7	-14.9	-14.6	-14.6	-14.6	-17.3	-21.7
349 - NSR349	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	22.9	26.0	29.5	31.3	31.6	31.6	31.6	31.6	31.6
	Exceedance Level	-	-22.1	-19.0	-15.5	-13.7	-13.4	-16.8	-20.8	-25.4	-30.6
350 - NSR350	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	22.6	25.7	29.1	31.0	31.3	31.3	31.3	31.3	31.3
	Exceedance Level	-	-22.4	-19.3	-15.9	-14.0	-13.7	-17.1	-21.1	-25.7	-30.9
351 - NSR351	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Proposed Development Noise LA90 dB	-	23.4	26.5	29.9	31.8	32.1	32.1	32.1	32.1	32.1
	Exceedance Level	-	-16.6	-13.5	-10.1	-13.2	-12.9	-12.9	-12.9	-16.8	-22.5
352 - NSR352	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	21.6	24.8	28.2	30.1	30.3	30.3	30.3	30.3	30.3
	Exceedance Level	-	-18.4	-20.2	-16.8	-14.9	-14.7	-14.7	-14.7	-17.4	-21.8
353 - NSR353	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	23.5	26.7	30.1	32.0	32.3	32.3	32.3	32.3	32.3
	Exceedance Level	-	-21.5	-18.3	-14.9	-13.0	-12.7	-12.7	-13.3	-17.0	-21.2
354 - NSR354	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	22.8	26.0	29.4	31.3	31.5	31.5	31.5	31.5	31.5
	Exceedance Level	-	-22.2	-19.0	-15.6	-13.7	-13.5	-16.9	-20.9	-25.5	-30.7
355 - NSR355	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Proposed Development Noise LA90 dB	-	23.2	26.4	29.8	31.7	31.9	31.9	31.9	31.9	31.9
	Exceedance Level	-	-16.8	-13.6	-10.2	-13.3	-13.1	-13.1	-13.1	-17.0	-22.7
356 - NSR356	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.3	50.5	54.4
	Proposed Development Noise LA90 dB	-	22.9	26.1	29.5	31.4	31.7	31.7	31.7	31.7	31.7
	Exceedance Level	-	-22.1	-18.9	-15.5	-13.6	-13.3	-13.3	-15.6	-18.8	-22.7
357 - NSR357	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	22.8	26.0	29.4	31.2	31.5	31.5	31.5	31.5	31.5
	Exceedance Level	-	-22.2	-19.0	-15.6	-13.8	-13.5	-16.9	-20.9	-25.5	-30.7
358 - NSR358	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	20.9	24.1	27.5	29.4	29.7	29.7	29.7	29.7	29.7
	Exceedance Level	-	-19.1	-20.9	-17.5	-15.6	-15.3	-15.3	-15.3	-18.0	-22.4
359 - NSR359	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	22.7	25.8	29.2	31.1	31.4	31.4	31.4	31.4	31.4
	Exceedance Level	-	-22.3	-19.2	-15.8	-13.9	-13.6	-17.0	-21.0	-25.6	-30.8
360 - NSR360	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Proposed Development Noise LA90 dB	-	21.5	24.7	28.1	30.0	30.3	30.3	30.3	30.3	30.3
	Exceedance Level	-	-18.5	-15.3	-11.9	-15.0	-14.7	-14.7	-14.9	-18.9	-23.1
361 - NSR361	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	21.8	25.0	28.4	30.2	30.5	30.5	30.5	30.5	30.5
	Exceedance Level	-	-23.2	-20.0	-16.6	-14.8	-14.5	-17.9	-21.9	-26.5	-31.7
362 - NSR362	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	22.7	25.8	29.2	31.1	31.4	31.4	31.4	31.4	31.4
	Exceedance Level	-	-22.3	-19.2	-15.8	-13.9	-13.6	-17.0	-21.0	-25.6	-30.8
363 - NSR363	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	20.7	23.9	27.3	29.1	29.4	29.4	29.4	29.4	29.4
	Exceedance Level	-	-19.3	-21.1	-17.7	-15.9	-15.6	-15.6	-15.6	-18.3	-22.7
364 - NSR364	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	22.2	25.4	28.8	30.7	30.9	30.9	30.9	30.9	30.9
	Exceedance Level	-	-22.8	-19.6	-16.2	-14.3	-14.1	-17.5	-21.5	-26.1	-31.3
365 - NSR365	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	21.8	25.0	28.4	30.3	30.5	30.5	30.5	30.5	30.5
	Exceedance Level	-	-23.2	-20.0	-16.6	-14.7	-14.5	-17.9	-21.9	-26.5	-31.7
366 - NSR366	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	21.9	25.0	28.5	30.3	30.6	30.6	30.6	30.6	30.6
	Exceedance Level	-	-23.1	-20.0	-16.5	-14.7	-14.4	-17.8	-21.8	-26.4	-31.6
367 - NSR367	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Proposed Development Noise LA90 dB	-	21.8	24.9	28.3	30.2	30.5	30.5	30.5	30.5	30.5
	Exceedance Level	-	-18.2	-15.1	-11.7	-14.8	-14.5	-14.5	-14.7	-18.7	-22.9
368 - NSR368	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	21.9	25.0	28.4	30.3	30.6	30.6	30.6	30.6	30.6
	Exceedance Level	-	-23.1	-20.0	-16.6	-14.7	-14.4	-17.8	-21.8	-26.4	-31.6
369 - NSR369	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	20.6	23.7	27.1	29.0	29.3	29.3	29.3	29.3	29.3
	Exceedance Level	-	-19.4	-21.3	-17.9	-16.0	-15.7	-15.7	-15.7	-18.4	-22.8
370 - NSR370	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	21.9	25.1	28.5	30.4	30.7	30.7	30.7	30.7	30.7
	Exceedance Level	-	-23.1	-19.9	-16.5	-14.6	-14.3	-17.7	-21.7	-26.3	-31.5

Table A5.4 Site Specific Noise Limits Compliance Table at NSRs – Daytime

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
371 - NSR371	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	22.6	25.8	29.2	31.1	31.3	31.3	31.3	31.3	31.3
	Exceedance Level	-	-22.4	-19.2	-15.8	-13.9	-13.7	-17.1	-21.1	-25.7	-30.9
372 - NSR372	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	22.1	25.2	28.7	30.5	30.8	30.8	30.8	30.8	30.8
	Exceedance Level	-	-22.9	-19.8	-16.3	-14.5	-14.2	-17.6	-21.6	-26.2	-31.4
373 - NSR373	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	21.9	25.1	28.5	30.4	30.7	30.7	30.7	30.7	30.7
	Exceedance Level	-	-23.1	-19.9	-16.5	-14.6	-14.3	-17.7	-21.7	-26.3	-31.5
374 - NSR374	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Proposed Development Noise LA90 dB	-	20.4	23.6	27.0	28.8	29.1	29.1	29.1	29.1	29.1
	Exceedance Level	-	-19.6	-16.4	-13.0	-11.2	-15.9	-15.9	-15.9	-20.0	-25.2
375 - NSR375	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	22.0	25.1	28.5	30.4	30.7	30.7	30.7	30.7	30.7
	Exceedance Level	-	-23.0	-19.9	-16.5	-14.6	-14.3	-17.7	-21.7	-26.3	-31.5
376 - NSR376	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	21.2	24.4	27.8	29.7	29.9	29.9	29.9	29.9	29.9
	Exceedance Level	-	-23.8	-20.6	-17.2	-15.3	-15.1	-18.5	-22.5	-27.1	-32.3
377 - NSR377	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	21.3	24.5	27.9	29.8	30.0	30.0	30.0	30.0	30.0
	Exceedance Level	-	-23.7	-20.5	-17.1	-15.2	-15.0	-18.4	-22.4	-27.0	-32.2
378 - NSR378	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	21.3	24.4	27.9	29.7	30.0	30.0	30.0	30.0	30.0
	Exceedance Level	-	-23.7	-20.6	-17.1	-15.3	-15.0	-18.4	-22.4	-27.0	-32.2
379 - NSR379	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	21.4	24.5	27.9	29.8	30.1	30.1	30.1	30.1	30.1
	Exceedance Level	-	-23.6	-20.5	-17.1	-15.2	-14.9	-18.3	-22.3	-26.9	-32.1
380 - NSR380	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	21.2	24.4	27.8	29.7	30.0	30.0	30.0	30.0	30.0
	Exceedance Level	-	-18.8	-20.6	-17.2	-15.3	-15.0	-15.0	-15.0	-17.7	-22.1
381 - NSR381	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	21.6	24.8	28.2	30.1	30.3	30.3	30.3	30.3	30.3
	Exceedance Level	-	-23.4	-20.2	-16.8	-14.9	-14.7	-18.1	-22.1	-26.7	-31.9
382 - NSR382	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Proposed Development Noise LA90 dB	-	21.5	24.7	28.1	30.0	30.2	30.2	30.2	30.2	30.2
	Exceedance Level	-	-18.5	-15.3	-11.9	-15.0	-14.8	-14.8	-15.0	-19.0	-23.2
383 - NSR383	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Proposed Development Noise LA90 dB	-	21.3	24.4	27.8	29.7	30.0	30.0	30.0	30.0	30.0
	Exceedance Level	-	-18.7	-15.6	-12.2	-15.3	-15.0	-15.0	-15.2	-19.2	-23.4
384 - NSR384	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	21.9	25.1	28.5	30.4	30.7	30.7	30.7	30.7	30.7
	Exceedance Level	-	-23.1	-19.9	-16.5	-14.6	-14.3	-17.7	-21.7	-26.3	-31.5
385 - NSR385	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	20.9	24.1	27.5	29.4	29.7	29.7	29.7	29.7	29.7
	Exceedance Level	-	-24.1	-20.9	-17.5	-15.6	-15.3	-18.7	-22.7	-27.3	-32.5
386 - NSR386	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	20.9	24.1	27.5	29.3	29.6	29.6	29.6	29.6	29.6
	Exceedance Level	-	-24.1	-20.9	-17.5	-15.7	-15.4	-18.8	-22.8	-27.4	-32.6
387 - NSR387	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	21.6	24.8	28.2	30.1	30.4	30.4	30.4	30.4	30.4
	Exceedance Level	-	-23.4	-20.2	-16.8	-14.9	-14.6	-18.0	-22.0	-26.6	-31.8
388 - NSR388	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Proposed Development Noise LA90 dB	-	22.6	25.8	29.2	31.1	31.4	31.4	31.4	31.4	31.4
	Exceedance Level	-	-17.4	-14.2	-10.8	-13.9	-13.6	-13.6	-13.6	-17.5	-23.2
389 - NSR389	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	22.5	25.7	29.1	31.0	31.3	31.3	31.3	31.3	31.3
	Exceedance Level	-	-22.5	-19.3	-15.9	-14.0	-13.7	-17.1	-21.1	-25.7	-30.9
390 - NSR390	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	20.4	23.6	27.0	28.8	29.1	29.1	29.1	29.1	29.1
	Exceedance Level	-	-19.6	-21.4	-18.0	-16.2	-15.9	-15.9	-15.9	-18.6	-23.0
391 - NSR391	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	21.0	24.2	27.6	29.4	29.7	29.7	29.7	29.7	29.7
	Exceedance Level	-	-24.0	-20.8	-17.4	-15.6	-15.3	-18.7	-22.7	-27.3	-32.5
392 - NSR392	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	21.0	24.2	27.6	29.5	29.7	29.7	29.7	29.7	29.7
	Exceedance Level	-	-24.0	-20.8	-17.4	-15.5	-15.3	-18.7	-22.7	-27.3	-32.5
393 - NSR393	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	21.0	24.1	27.5	29.4	29.7	29.7	29.7	29.7	29.7
	Exceedance Level	-	-24.0	-20.9	-17.5	-15.6	-15.3	-18.7	-22.7	-27.3	-32.5
394 - NSR394	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	20.9	24.1	27.5	29.4	29.6	29.6	29.6	29.6	29.6
	Exceedance Level	-	-24.1	-20.9	-17.5	-15.6	-15.4	-18.8	-22.8	-27.4	-32.6
395 - NSR395	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	48.4	52.4	57.0	62.2
	Proposed Development Noise LA90 dB	-	20.9	24.1	27.5	29.3	29.6	29.6	29.6	29.6	29.6

Table A5.4 Site Specific Noise Limits Compliance Table at NSRs – Daytime

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
	Exceedance Level	-	-24.1	-20.9	-17.5	-15.7	-15.4	-18.8	-22.8	-27.4	-32.6
396 - NSR396	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	20.2	23.4	26.8	28.7	28.9	28.9	28.9	28.9	28.9
	Exceedance Level	-	-19.8	-21.6	-18.2	-16.3	-16.1	-16.1	-16.1	-18.8	-23.2
397 - NSR397	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Proposed Development Noise LA90 dB	-	21.1	24.3	27.7	29.6	29.9	29.9	29.9	29.9	29.9
	Exceedance Level	-	-18.9	-15.7	-12.3	-15.4	-15.1	-15.1	-15.3	-19.3	-23.5
398 - NSR398	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	20.2	23.4	26.8	28.7	28.9	28.9	28.9	28.9	28.9
	Exceedance Level	-	-19.8	-21.6	-18.2	-16.3	-16.1	-16.1	-16.1	-18.8	-23.2
399 - NSR399	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	21.1	24.3	27.7	29.6	29.8	29.8	29.8	29.8	29.8
	Exceedance Level	-	-18.9	-20.7	-17.3	-15.4	-15.2	-15.2	-15.2	-17.9	-22.3
400 - NSR400	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Proposed Development Noise LA90 dB	-	22.4	25.5	29.0	30.8	31.1	31.1	31.1	31.1	31.1
	Exceedance Level	-	-17.6	-14.5	-11.0	-14.2	-13.9	-13.9	-13.9	-17.8	-23.5
401 - NSR401	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Proposed Development Noise LA90 dB	-	22.3	25.5	28.9	30.8	31.0	31.0	31.0	31.0	31.0
	Exceedance Level	-	-17.7	-14.5	-11.1	-14.2	-14.0	-14.0	-14.0	-17.9	-23.6
402 - NSR402	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Proposed Development Noise LA90 dB	-	20.0	23.2	26.6	28.4	28.7	28.7	28.7	28.7	28.7
	Exceedance Level	-	-20.0	-16.8	-13.4	-11.6	-16.3	-16.3	-16.3	-20.4	-25.6
403 - NSR403	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Proposed Development Noise LA90 dB	-	22.4	25.6	29.0	30.9	31.2	31.2	31.2	31.2	31.2
	Exceedance Level	-	-17.6	-14.4	-11.0	-14.1	-13.8	-13.8	-13.8	-17.7	-23.4
404 - NSR404	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Proposed Development Noise LA90 dB	-	21.2	24.4	27.8	29.7	30.0	30.0	30.0	30.0	30.0
	Exceedance Level	-	-18.8	-15.6	-12.2	-15.3	-15.0	-15.0	-15.2	-19.2	-23.4
405 - NSR405	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Proposed Development Noise LA90 dB	-	21.0	24.2	27.6	29.5	29.8	29.8	29.8	29.8	29.8
	Exceedance Level	-	-19.0	-15.8	-12.4	-15.5	-15.2	-15.2	-15.4	-19.4	-23.6
406 - NSR406	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Proposed Development Noise LA90 dB	-	22.2	25.4	28.8	30.7	31.0	31.0	31.0	31.0	31.0
	Exceedance Level	-	-17.8	-14.6	-11.2	-14.3	-14.0	-14.0	-14.0	-17.9	-23.6
407 - NSR407	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	20.0	23.2	26.6	28.5	28.7	28.7	28.7	28.7	28.7
	Exceedance Level	-	-20.0	-21.8	-18.4	-16.5	-16.3	-16.3	-16.3	-19.0	-23.4
408 - NSR408	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Proposed Development Noise LA90 dB	-	22.2	25.4	28.8	30.7	31.0	31.0	31.0	31.0	31.0
	Exceedance Level	-	-17.8	-14.6	-11.2	-14.3	-14.0	-14.0	-14.0	-17.9	-23.6
409 - NSR409	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Proposed Development Noise LA90 dB	-	21.0	24.1	27.6	29.4	29.7	29.7	29.7	29.7	29.7
	Exceedance Level	-	-19.0	-15.9	-12.4	-15.6	-15.3	-15.3	-15.5	-19.5	-23.7
410 - NSR410	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	20.0	23.2	26.6	28.4	28.7	28.7	28.7	28.7	28.7
	Exceedance Level	-	-20.0	-21.8	-18.4	-16.6	-16.3	-16.3	-16.3	-19.0	-23.4
411 - NSR411	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Proposed Development Noise LA90 dB	-	21.0	24.2	27.6	29.5	29.7	29.7	29.7	29.7	29.7
	Exceedance Level	-	-19.0	-15.8	-12.4	-15.5	-15.3	-15.3	-15.5	-19.5	-23.7
412 - NSR412	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Proposed Development Noise LA90 dB	-	19.8	23.0	26.4	28.3	28.6	28.6	28.6	28.6	28.6
	Exceedance Level	-	-20.2	-17.0	-13.6	-11.7	-16.4	-16.4	-16.4	-20.5	-25.7
413 - NSR413	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	20.0	23.2	26.6	28.4	28.7	28.7	28.7	28.7	28.7
	Exceedance Level	-	-20.0	-21.8	-18.4	-16.6	-16.3	-16.3	-16.3	-19.0	-23.4
414 - NSR414	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Proposed Development Noise LA90 dB	-	21.1	24.3	27.7	29.6	29.8	29.8	29.8	29.8	29.8
	Exceedance Level	-	-18.9	-15.7	-12.3	-15.4	-15.2	-15.2	-15.4	-19.4	-23.6
415 - NSR415	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	21.7	24.8	28.2	30.1	30.4	30.4	30.4	30.4	30.4
	Exceedance Level	-	-23.3	-20.2	-16.8	-14.9	-14.6	-14.6	-15.2	-18.9	-23.1
416 - NSR416	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	19.9	23.1	26.5	28.4	28.7	28.7	28.7	28.7	28.7
	Exceedance Level	-	-20.1	-21.9	-18.5	-16.6	-16.3	-16.3	-16.3	-19.0	-23.4
417 - NSR417	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Proposed Development Noise LA90 dB	-	19.8	22.9	26.3	28.2	28.5	28.5	28.5	28.5	28.5
	Exceedance Level	-	-20.2	-17.1	-13.7	-11.8	-16.5	-16.5	-16.5	-20.6	-25.8
418 - NSR418	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Proposed Development Noise LA90 dB	-	19.9	23.1	26.5	28.4	28.7	28.7	28.7	28.7	28.7
	Exceedance Level	-	-20.1	-16.9	-13.5	-11.6	-16.3	-16.3	-16.3	-20.4	-25.6
419 - NSR419	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Proposed Development Noise LA90 dB	-	19.7	22.9	26.3	28.2	28.5	28.5	28.5	28.5	28.5
	Exceedance Level	-	-20.3	-17.1	-13.7	-11.8	-16.5	-16.5	-16.5	-20.6	-25.8
	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6

Table A5.4 Site Specific Noise Limits Compliance Table at NSRs – Daytime

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
420 - NSR420	Proposed Development Noise LA90 dB	-	22.4	25.6	29.0	30.9	31.2	31.2	31.2	31.2	31.2
	Exceedance Level	-	-17.6	-14.4	-11.0	-14.1	-13.8	-13.8	-13.8	-17.7	-23.4
421 - NSR421	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	19.8	23.0	26.4	28.3	28.6	28.6	28.6	28.6	28.6
	Exceedance Level	-	-20.2	-22.0	-18.6	-16.7	-16.4	-16.4	-16.4	-19.1	-23.5
422 - NSR422	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Proposed Development Noise LA90 dB	-	20.8	24.0	27.4	29.3	29.5	29.5	29.5	29.5	29.5
	Exceedance Level	-	-19.2	-16.0	-12.6	-15.7	-15.5	-15.5	-15.7	-19.7	-23.9
423 - NSR423	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	19.8	23.0	26.4	28.2	28.5	28.5	28.5	28.5	28.5
	Exceedance Level	-	-20.2	-22.0	-18.6	-16.8	-16.5	-16.5	-16.5	-19.2	-23.6
424 - NSR424	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Proposed Development Noise LA90 dB	-	22.3	25.5	28.9	30.8	31.0	31.0	31.0	31.0	31.0
	Exceedance Level	-	-17.7	-14.5	-11.1	-14.2	-14.0	-14.0	-14.0	-17.9	-23.6
425 - NSR425	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Proposed Development Noise LA90 dB	-	19.7	22.9	26.3	28.2	28.5	28.5	28.5	28.5	28.5
	Exceedance Level	-	-20.3	-17.1	-13.7	-11.8	-16.5	-16.5	-16.5	-20.6	-25.8
426 - NSR426	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Proposed Development Noise LA90 dB	-	20.7	23.9	27.3	29.2	29.5	29.5	29.5	29.5	29.5
	Exceedance Level	-	-19.3	-16.1	-12.7	-15.8	-15.5	-15.5	-15.7	-19.7	-23.9
427 - NSR427	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	20.0	23.1	26.6	28.4	28.7	28.7	28.7	28.7	28.7
	Exceedance Level	-	-20.0	-21.9	-18.4	-16.6	-16.3	-16.3	-16.3	-19.0	-23.4
428 - NSR428	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	21.5	24.7	28.1	29.9	30.2	30.2	30.2	30.2	30.2
	Exceedance Level	-	-23.5	-20.3	-16.9	-15.1	-14.8	-14.8	-15.4	-19.1	-23.3
429 - NSR429	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	19.7	22.9	26.3	28.2	28.4	28.4	28.4	28.4	28.4
	Exceedance Level	-	-20.3	-22.1	-18.7	-16.8	-16.6	-16.6	-16.6	-19.3	-23.7
430 - NSR430	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.2	49.2	53.4
	Proposed Development Noise LA90 dB	-	20.8	24.0	27.4	29.3	29.6	29.6	29.6	29.6	29.6
	Exceedance Level	-	-19.2	-16.0	-12.6	-15.7	-15.4	-15.4	-15.6	-19.6	-23.8
431 - NSR431	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Proposed Development Noise LA90 dB	-	21.8	25.0	28.4	30.2	30.5	30.5	30.5	30.5	30.5
	Exceedance Level	-	-18.2	-15.0	-11.6	-14.8	-14.5	-14.5	-14.5	-18.4	-24.1
432 - NSR432	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	49.1	54.3
	Proposed Development Noise LA90 dB	-	19.5	22.7	26.1	28.0	28.3	28.3	28.3	28.3	28.3
	Exceedance Level	-	-20.5	-17.3	-13.9	-12.0	-16.7	-16.7	-16.7	-20.8	-26.0
433 - NSR433	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	19.7	22.9	26.3	28.2	28.5	28.5	28.5	28.5	28.5
	Exceedance Level	-	-20.3	-22.1	-18.7	-16.8	-16.5	-16.5	-16.5	-19.2	-23.6
434 - NSR434	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	21.4	24.6	28.0	29.8	30.1	30.1	30.1	30.1	30.1
	Exceedance Level	-	-23.6	-20.4	-17.0	-15.2	-14.9	-14.9	-15.5	-19.2	-23.4
435 - NSR435	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	22.1	25.2	28.6	30.5	30.8	30.8	30.8	30.8	30.8
	Exceedance Level	-	-22.9	-19.8	-16.4	-14.5	-14.2	-14.2	-14.8	-18.5	-22.7
436 - NSR436	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Proposed Development Noise LA90 dB	-	21.6	24.8	28.2	30.1	30.4	30.4	30.4	30.4	30.4
	Exceedance Level	-	-18.4	-15.2	-11.8	-14.9	-14.6	-14.6	-14.6	-18.5	-24.2
437 - NSR437	Site Specific Noise Limit L_{A90} dB	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	49.3	53.5
	Proposed Development Noise LA90 dB	-	22.0	25.2	28.6	30.5	30.8	30.8	30.8	30.8	30.8
	Exceedance Level	-	-23.0	-19.8	-16.4	-14.5	-14.2	-14.2	-14.8	-18.5	-22.7
438 - NSR438	Site Specific Noise Limit L_{A90} dB	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	48.9	54.6
	Proposed Development Noise LA90 dB	-	21.4	24.5	27.9	29.8	30.1	30.1	30.1	30.1	30.1
	Exceedance Level	-	-18.6	-15.5	-12.1	-15.2	-14.9	-14.9	-14.9	-18.8	-24.5
439 - NSR439	Site Specific Noise Limit L_{A90} dB	40.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0	47.7	52.1
	Proposed Development Noise LA90 dB	-	19.8	22.9	26.3	28.2	28.5	28.5	28.5	28.5	28.5
	Exceedance Level	-	-20.2	-22.1	-18.7	-16.8	-16.5	-16.5	-16.5	-19.2	-23.6

Table A5.5 Site Specific Noise Limits Compliance Table at NSRs – Night-time

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
1 - NSR17 (NAL1)	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Proposed Development Noise LA90 dB	-	28.3	31.5	34.9	36.8	37.1	37.1	37.1	37.1	37.1
	Exceedance Level	-	-14.7	-11.5	-8.1	-6.2	-5.9	-5.9	-5.9	-11.7	-18.1
2 - NSR3 (NAL10)	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.4	46.0	49.4	53.4
	Proposed Development Noise LA90 dB	-	31.7	34.8	38.3	40.1	40.4	40.4	40.4	40.4	40.4
	Exceedance Level	-	-11.3	-8.2	-4.7	-2.9	-2.6	-3.0	-5.6	-9.0	-13.0
3 - NSR16 (NAL2)	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Proposed Development Noise LA90 dB	-	31.5	34.6	38.1	39.9	40.2	40.2	40.2	40.2	40.2
	Exceedance Level	-	-11.5	-8.4	-4.9	-3.1	-2.8	-2.8	-4.3	-9.2	-14.1
4 - NSR6 (NAL3)	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Proposed Development Noise LA90 dB	-	31.2	34.3	37.8	39.6	39.9	39.9	39.9	39.9	39.9
	Exceedance Level	-	-11.8	-8.7	-5.2	-3.4	-3.1	-3.1	-4.6	-9.5	-14.4
5 - NSR1 (NAL4)	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	32.2	35.4	38.8	40.6	40.9	40.9	40.9	40.9	40.9
	Exceedance Level	-	-10.8	-7.6	-4.2	-2.4	-2.1	-2.1	-3.0	-6.9	-11.4
6 - NSR15 (NAL5)	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	32.3	35.4	38.8	40.7	41.0	41.0	41.0	41.0	41.0
	Exceedance Level	-	-10.7	-7.6	-4.2	-2.3	-2.0	-4.3	-9.7	-15.8	-22.5
7 - NSR10 (NAL6)	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	32.0	35.1	38.5	40.4	40.7	40.7	40.7	40.7	40.7
	Exceedance Level	-	-11.0	-7.9	-4.5	-2.6	-2.3	-4.6	-10.0	-16.1	-22.8
8 - NSR31 (NAL7)	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	27.7	30.9	34.3	36.2	36.4	36.4	36.4	36.4	36.4
	Exceedance Level	-	-15.3	-12.1	-8.7	-6.8	-6.6	-6.6	-6.6	-8.5	-12.8
9 - NSR4 (NAL8)	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	30.4	33.5	37.0	38.8	39.1	39.1	39.1	39.1	39.1
	Exceedance Level	-	-12.6	-9.5	-6.0	-4.2	-3.9	-3.9	-3.9	-5.8	-10.1
10 - NSR5 (NAL9)	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Proposed Development Noise LA90 dB	-	31.9	35.1	38.5	40.4	40.7	40.7	40.7	40.7	40.7
	Exceedance Level	-	-11.1	-7.9	-4.5	-2.6	-2.3	-2.3	-2.3	-6.0	-11.5
11 - NSR2	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Proposed Development Noise LA90 dB	-	30.7	33.8	37.2	39.1	39.4	39.4	39.4	39.4	39.4
	Exceedance Level	-	-12.3	-9.2	-5.8	-3.9	-3.6	-3.6	-5.1	-10.0	-14.9
12 - NSR7	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Proposed Development Noise LA90 dB	-	30.7	33.9	37.3	39.1	39.4	39.4	39.4	39.4	39.4
	Exceedance Level	-	-12.3	-9.1	-5.7	-3.9	-3.6	-3.6	-5.1	-10.0	-14.9
13 - NSR9	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Proposed Development Noise LA90 dB	-	31.3	34.4	37.8	39.7	40.0	40.0	40.0	40.0	40.0
	Exceedance Level	-	-11.7	-8.6	-5.2	-3.3	-3.0	-3.0	-4.5	-9.4	-14.3
14 - NSR8	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	31.9	35.1	38.5	40.4	40.6	40.6	40.6	40.6	40.6
	Exceedance Level	-	-11.1	-7.9	-4.5	-2.6	-2.4	-2.4	-3.3	-7.2	-11.7
15 - NSR32	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	27.6	30.8	34.2	36.1	36.4	36.4	36.4	36.4	36.4
	Exceedance Level	-	-15.4	-12.2	-8.8	-6.9	-6.6	-6.6	-6.6	-8.5	-12.8
16 - NSR41	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	27.4	30.5	33.9	35.8	36.1	36.1	36.1	36.1	36.1
	Exceedance Level	-	-15.6	-12.5	-9.1	-7.2	-6.9	-6.9	-6.9	-8.8	-13.1
17 - NSR12	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Proposed Development Noise LA90 dB	-	30.3	33.4	36.8	38.7	39.0	39.0	39.0	39.0	39.0
	Exceedance Level	-	-12.7	-9.6	-6.2	-4.3	-4.0	-4.0	-5.5	-10.4	-15.3
18 - NSR14	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Proposed Development Noise LA90 dB	-	30.6	33.7	37.1	39.0	39.3	39.3	39.3	39.3	39.3
	Exceedance Level	-	-12.4	-9.3	-5.9	-4.0	-3.7	-3.7	-5.2	-10.1	-15.0
19 - NSR13	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Proposed Development Noise LA90 dB	-	30.7	33.9	37.3	39.2	39.4	39.4	39.4	39.4	39.4
	Exceedance Level	-	-12.3	-9.1	-5.7	-3.8	-3.6	-3.6	-5.1	-10.0	-14.9
20 - NSR44	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	27.2	30.3	33.7	35.6	35.9	35.9	35.9	35.9	35.9
	Exceedance Level	-	-15.8	-12.7	-9.3	-7.4	-7.1	-7.1	-7.1	-9.0	-13.3
21 - NSR11	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Proposed Development Noise LA90 dB	-	31.7	34.8	38.2	40.1	40.4	40.4	40.4	40.4	40.4
	Exceedance Level	-	-11.3	-8.2	-4.8	-2.9	-2.6	-2.6	-2.6	-6.3	-11.8
22 - NSR19	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Proposed Development Noise LA90 dB	-	29.8	33.0	36.4	38.2	38.5	38.5	38.5	38.5	38.5
	Exceedance Level	-	-13.2	-10.0	-6.6	-4.8	-4.5	-4.5	-6.0	-10.9	-15.8
23 - NSR18	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.4	46.0	49.4	53.4
	Proposed Development Noise LA90 dB	-	30.7	33.9	37.3	39.2	39.5	39.5	39.5	39.5	39.5
	Exceedance Level	-	-12.3	-9.1	-5.7	-3.8	-3.5	-3.9	-6.5	-9.9	-13.9
24 - NSR20	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	31.5	34.7	38.1	39.9	40.2	40.2	40.2	40.2	40.2
	Exceedance Level	-	-11.5	-8.3	-4.9	-3.1	-2.8	-2.8	-3.7	-7.6	-12.1
25 - NSR21	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.4	46.0	49.4	53.4
	Proposed Development Noise LA90 dB	-	30.6	33.8	37.2	39.1	39.3	39.3	39.3	39.3	39.3

Table A5.5 Site Specific Noise Limits Compliance Table at NSRs – Night-time

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
	Exceedance Level	-	-12.4	-9.2	-5.8	-3.9	-3.7	-4.1	-6.7	-10.1	-14.1
26 - NSR22	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	31.5	34.7	38.1	39.9	40.2	40.2	40.2	40.2	40.2
	Exceedance Level	-	-11.5	-8.3	-4.9	-3.1	-2.8	-5.1	-10.5	-16.6	-23.3
27 - NSR69	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	26.4	29.6	33.0	34.9	35.1	35.1	35.1	35.1	35.1
	Exceedance Level	-	-16.6	-13.4	-10.0	-8.1	-7.9	-7.9	-7.9	-9.8	-14.1
28 - NSR81	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	26.1	29.2	32.7	34.5	34.8	34.8	34.8	34.8	34.8
	Exceedance Level	-	-16.9	-13.8	-10.3	-8.5	-8.2	-8.2	-8.2	-10.1	-14.4
29 - NSR99	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	25.8	28.9	32.3	34.2	34.5	34.5	34.5	34.5	34.5
	Exceedance Level	-	-17.2	-14.1	-10.7	-8.8	-8.5	-8.5	-8.5	-10.4	-14.7
30 - NSR86	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	26.0	29.2	32.6	34.5	34.7	34.7	34.7	34.7	34.7
	Exceedance Level	-	-17.0	-13.8	-10.4	-8.5	-8.3	-8.3	-8.3	-10.2	-14.5
31 - NSR55	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	26.8	30.0	33.4	35.3	35.5	35.5	35.5	35.5	35.5
	Exceedance Level	-	-16.2	-13.0	-9.6	-7.7	-7.5	-7.5	-7.5	-9.4	-13.7
32 - NSR27	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Proposed Development Noise LA90 dB	-	29.8	33.0	36.4	38.2	38.5	38.5	38.5	38.5	38.5
	Exceedance Level	-	-13.2	-10.0	-6.6	-4.8	-4.5	-4.5	-6.0	-10.9	-15.8
33 - NSR26	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	29.0	32.1	35.6	37.4	37.7	37.7	37.7	37.7	37.7
	Exceedance Level	-	-14.0	-10.9	-7.4	-5.6	-5.3	-5.3	-6.2	-10.1	-14.6
34 - NSR24	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Proposed Development Noise LA90 dB	-	28.0	31.1	34.6	36.4	36.7	36.7	36.7	36.7	36.7
	Exceedance Level	-	-15.0	-11.9	-8.4	-6.6	-6.3	-6.3	-6.3	-12.1	-18.5
35 - NSR95	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	25.7	28.8	32.2	34.1	34.4	34.4	34.4	34.4	34.4
	Exceedance Level	-	-17.3	-14.2	-10.8	-8.9	-8.6	-8.6	-8.6	-10.5	-14.8
36 - NSR28	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	30.1	33.3	36.7	38.6	38.9	38.9	38.9	38.9	38.9
	Exceedance Level	-	-12.9	-9.7	-6.3	-4.4	-4.1	-4.1	-5.0	-8.9	-13.4
37 - NSR83	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	26.1	29.2	32.6	34.5	34.8	34.8	34.8	34.8	34.8
	Exceedance Level	-	-16.9	-13.8	-10.4	-8.5	-8.2	-8.2	-8.2	-10.1	-14.4
38 - NSR30	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Proposed Development Noise LA90 dB	-	30.3	33.5	36.9	38.8	39.0	39.0	39.0	39.0	39.0
	Exceedance Level	-	-12.7	-9.5	-6.1	-4.2	-4.0	-4.0	-4.0	-7.7	-13.2
39 - NSR25	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Proposed Development Noise LA90 dB	-	27.8	31.0	34.4	36.3	36.6	36.6	36.6	36.6	36.6
	Exceedance Level	-	-15.2	-12.0	-8.6	-6.7	-6.4	-6.4	-6.4	-12.2	-18.6
40 - NSR34	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Proposed Development Noise LA90 dB	-	28.8	32.0	35.4	37.3	37.6	37.6	37.6	37.6	37.6
	Exceedance Level	-	-14.2	-11.0	-7.6	-5.7	-5.4	-5.4	-6.9	-11.8	-16.7
41 - NSR105	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	25.4	28.6	32.0	33.9	34.1	34.1	34.1	34.1	34.1
	Exceedance Level	-	-17.6	-14.4	-11.0	-9.1	-8.9	-8.9	-8.9	-10.8	-15.1
42 - NSR33	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Proposed Development Noise LA90 dB	-	30.5	33.7	37.1	39.0	39.3	39.3	39.3	39.3	39.3
	Exceedance Level	-	-12.5	-9.3	-5.9	-4.0	-3.7	-3.7	-3.7	-7.4	-12.9
43 - NSR97	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	25.6	28.8	32.2	34.1	34.3	34.3	34.3	34.3	34.3
	Exceedance Level	-	-17.4	-14.2	-10.8	-8.9	-8.7	-8.7	-8.7	-10.6	-14.9
44 - NSR87	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	25.9	29.1	32.5	34.4	34.7	34.7	34.7	34.7	34.7
	Exceedance Level	-	-17.1	-13.9	-10.5	-8.6	-8.3	-8.3	-8.3	-10.2	-14.5
45 - NSR35	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	30.6	33.8	37.2	39.1	39.4	39.4	39.4	39.4	39.4
	Exceedance Level	-	-12.4	-9.2	-5.8	-3.9	-3.6	-5.9	-11.3	-17.4	-24.1
46 - NSR36	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Proposed Development Noise LA90 dB	-	30.1	33.2	36.6	38.5	38.8	38.8	38.8	38.8	38.8
	Exceedance Level	-	-12.9	-9.8	-6.4	-4.5	-4.2	-4.2	-4.2	-7.9	-13.4
47 - NSR37	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	30.2	33.4	36.8	38.7	38.9	38.9	38.9	38.9	38.9
	Exceedance Level	-	-12.8	-9.6	-6.2	-4.3	-4.1	-4.1	-5.0	-8.9	-13.4
48 - NSR72	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	26.4	29.6	33.0	34.9	35.2	35.2	35.2	35.2	35.2
	Exceedance Level	-	-16.6	-13.4	-10.0	-8.1	-7.8	-7.8	-7.8	-9.7	-14.0
49 - NSR38	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Proposed Development Noise LA90 dB	-	30.4	33.6	37.0	38.8	39.1	39.1	39.1	39.1	39.1
	Exceedance Level	-	-12.6	-9.4	-6.0	-4.2	-3.9	-3.9	-3.9	-7.6	-13.1
	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2

Table A5.5 Site Specific Noise Limits Compliance Table at NSRs – Night-time

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
50 - NSR49	Proposed Development Noise LA90 dB	-	30.0	33.1	36.6	38.4	38.7	38.7	38.7	38.7	38.7
	Exceedance Level	-	-13.0	-9.9	-6.4	-4.6	-4.3	-4.3	-4.3	-8.0	-13.5
51 - NSR40	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	29.8	33.0	36.4	38.2	38.5	38.5	38.5	38.5	38.5
	Exceedance Level	-	-13.2	-10.0	-6.6	-4.8	-4.5	-4.5	-5.4	-9.3	-13.8
52 - NSR43	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	30.3	33.5	36.9	38.7	39.0	39.0	39.0	39.0	39.0
	Exceedance Level	-	-12.7	-9.5	-6.1	-4.3	-4.0	-6.3	-11.7	-17.8	-24.5
53 - NSR29	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Proposed Development Noise LA90 dB	-	28.9	32.0	35.4	37.3	37.6	37.6	37.6	37.6	37.6
	Exceedance Level	-	-14.1	-11.0	-7.6	-5.7	-5.4	-5.4	-6.9	-11.8	-16.7
54 - NSR39	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Proposed Development Noise LA90 dB	-	27.1	30.2	33.7	35.5	35.8	35.8	35.8	35.8	35.8
	Exceedance Level	-	-15.9	-12.8	-9.3	-7.5	-7.2	-7.2	-7.2	-13.0	-19.4
55 - NSR47	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	30.0	33.2	36.6	38.5	38.8	38.8	38.8	38.8	38.8
	Exceedance Level	-	-13.0	-9.8	-6.4	-4.5	-4.2	-4.2	-5.1	-9.0	-13.5
56 - NSR50	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Proposed Development Noise LA90 dB	-	29.5	32.7	36.1	38.0	38.3	38.3	38.3	38.3	38.3
	Exceedance Level	-	-13.5	-10.3	-6.9	-5.0	-4.7	-4.7	-4.7	-8.4	-13.9
57 - NSR58	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Proposed Development Noise LA90 dB	-	28.8	31.9	35.3	37.2	37.5	37.5	37.5	37.5	37.5
	Exceedance Level	-	-14.2	-11.1	-7.7	-5.8	-5.5	-5.5	-7.0	-11.9	-16.8
58 - NSR53	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	29.9	33.1	36.5	38.4	38.7	38.7	38.7	38.7	38.7
	Exceedance Level	-	-13.1	-9.9	-6.5	-4.6	-4.3	-6.6	-12.0	-18.1	-24.8
59 - NSR56	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	27.8	31.0	34.4	36.3	36.5	36.5	36.5	36.5	36.5
	Exceedance Level	-	-15.2	-12.0	-8.6	-6.7	-6.5	-6.5	-7.4	-11.3	-15.8
60 - NSR64	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Proposed Development Noise LA90 dB	-	28.8	31.9	35.3	37.2	37.5	37.5	37.5	37.5	37.5
	Exceedance Level	-	-14.2	-11.1	-7.7	-5.8	-5.5	-5.5	-7.0	-11.9	-16.8
61 - NSR129	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	24.7	27.8	31.2	33.1	33.4	33.4	33.4	33.4	33.4
	Exceedance Level	-	-18.3	-15.2	-11.8	-9.9	-9.6	-9.6	-9.6	-11.5	-15.8
62 - NSR46	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Proposed Development Noise LA90 dB	-	26.7	29.8	33.3	35.1	35.4	35.4	35.4	35.4	35.4
	Exceedance Level	-	-16.3	-13.2	-9.7	-7.9	-7.6	-7.6	-7.6	-13.4	-19.8
63 - NSR42	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Proposed Development Noise LA90 dB	-	28.6	31.8	35.2	37.1	37.3	37.3	37.3	37.3	37.3
	Exceedance Level	-	-14.4	-11.2	-7.8	-5.9	-5.7	-5.7	-7.2	-12.1	-17.0
64 - NSR45	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Proposed Development Noise LA90 dB	-	26.7	29.9	33.3	35.1	35.4	35.4	35.4	35.4	35.4
	Exceedance Level	-	-16.3	-13.1	-9.7	-7.9	-7.6	-7.6	-7.6	-13.4	-19.8
65 - NSR67	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	29.5	32.7	36.1	38.0	38.2	38.2	38.2	38.2	38.2
	Exceedance Level	-	-13.5	-10.3	-6.9	-5.0	-4.8	-4.8	-5.7	-9.6	-14.1
66 - NSR79	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	26.5	29.6	33.1	34.9	35.2	35.2	35.2	35.2	35.2
	Exceedance Level	-	-16.5	-13.4	-9.9	-8.1	-7.8	-7.8	-7.8	-9.7	-14.0
67 - NSR54	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Proposed Development Noise LA90 dB	-	26.5	29.6	33.0	34.9	35.2	35.2	35.2	35.2	35.2
	Exceedance Level	-	-16.5	-13.4	-10.0	-8.1	-7.8	-7.8	-7.8	-13.6	-20.0
68 - NSR60	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Proposed Development Noise LA90 dB	-	26.4	29.6	33.0	34.8	35.1	35.1	35.1	35.1	35.1
	Exceedance Level	-	-16.6	-13.4	-10.0	-8.2	-7.9	-7.9	-7.9	-13.7	-20.1
69 - NSR52	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Proposed Development Noise LA90 dB	-	26.5	29.6	33.0	34.9	35.2	35.2	35.2	35.2	35.2
	Exceedance Level	-	-16.5	-13.4	-10.0	-8.1	-7.8	-7.8	-7.8	-13.6	-20.0
70 - NSR62	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Proposed Development Noise LA90 dB	-	26.3	29.5	32.9	34.8	35.1	35.1	35.1	35.1	35.1
	Exceedance Level	-	-16.7	-13.5	-10.1	-8.2	-7.9	-7.9	-7.9	-13.7	-20.1
71 - NSR66	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Proposed Development Noise LA90 dB	-	26.3	29.5	32.9	34.8	35.1	35.1	35.1	35.1	35.1
	Exceedance Level	-	-16.7	-13.5	-10.1	-8.2	-7.9	-7.9	-7.9	-13.7	-20.1
72 - NSR68	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Proposed Development Noise LA90 dB	-	26.3	29.5	32.9	34.8	35.1	35.1	35.1	35.1	35.1
	Exceedance Level	-	-16.7	-13.5	-10.1	-8.2	-7.9	-7.9	-7.9	-13.7	-20.1
73 - NSR71	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	29.2	32.4	35.8	37.7	37.9	37.9	37.9	37.9	37.9
	Exceedance Level	-	-13.8	-10.6	-7.2	-5.3	-5.1	-5.1	-6.0	-9.9	-14.4
74 - NSR57	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Proposed Development Noise LA90 dB	-	26.4	29.5	33.0	34.8	35.1	35.1	35.1	35.1	35.1
	Exceedance Level	-	-16.6	-13.5	-10.0	-8.2	-7.9	-7.9	-7.9	-13.7	-20.1

Table A5.5 Site Specific Noise Limits Compliance Table at NSRs – Night-time

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
75 - NSR73	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Proposed Development Noise LA90 dB	-	26.2	29.3	32.7	34.6	34.9	34.9	34.9	34.9	34.9
	Exceedance Level	-	-16.8	-13.7	-10.3	-8.4	-8.1	-8.1	-8.1	-13.9	-20.3
76 - NSR75	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	28.8	32.0	35.4	37.3	37.5	37.5	37.5	37.5	37.5
	Exceedance Level	-	-14.2	-11.0	-7.6	-5.7	-5.5	-7.8	-13.2	-19.3	-26.0
77 - NSR160	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	24.3	27.4	30.8	32.7	33.0	33.0	33.0	33.0	33.0
	Exceedance Level	-	-18.7	-15.6	-12.2	-10.3	-10.0	-10.0	-10.0	-11.9	-16.2
78 - NSR77	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Proposed Development Noise LA90 dB	-	28.9	32.1	35.5	37.4	37.7	37.7	37.7	37.7	37.7
	Exceedance Level	-	-14.1	-10.9	-7.5	-5.6	-5.3	-5.3	-5.3	-9.0	-14.5
79 - NSR78	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	29.0	32.2	35.6	37.5	37.7	37.7	37.7	37.7	37.7
	Exceedance Level	-	-14.0	-10.8	-7.4	-5.5	-5.3	-7.6	-13.0	-19.1	-25.8
80 - NSR84	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Proposed Development Noise LA90 dB	-	27.7	30.8	34.2	36.1	36.4	36.4	36.4	36.4	36.4
	Exceedance Level	-	-15.3	-12.2	-8.8	-6.9	-6.6	-6.6	-8.1	-13.0	-17.9
81 - NSR59	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Proposed Development Noise LA90 dB	-	28.7	31.9	35.3	37.2	37.5	37.5	37.5	37.5	37.5
	Exceedance Level	-	-14.3	-11.1	-7.7	-5.8	-5.5	-5.5	-7.0	-11.9	-16.8
82 - NSR74	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Proposed Development Noise LA90 dB	-	26.0	29.2	32.6	34.5	34.7	34.7	34.7	34.7	34.7
	Exceedance Level	-	-17.0	-13.8	-10.4	-8.5	-8.3	-8.3	-8.3	-14.1	-20.5
83 - NSR61	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Proposed Development Noise LA90 dB	-	27.4	30.5	34.0	35.8	36.1	36.1	36.1	36.1	36.1
	Exceedance Level	-	-15.6	-12.5	-9.0	-7.2	-6.9	-6.9	-8.4	-13.3	-18.2
84 - NSR92	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	26.0	29.2	32.6	34.5	34.7	34.7	34.7	34.7	34.7
	Exceedance Level	-	-17.0	-13.8	-10.4	-8.5	-8.3	-8.3	-8.3	-10.2	-14.5
85 - NSR80	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Proposed Development Noise LA90 dB	-	25.9	29.1	32.5	34.4	34.7	34.7	34.7	34.7	34.7
	Exceedance Level	-	-17.1	-13.9	-10.5	-8.6	-8.3	-8.3	-8.3	-14.1	-20.5
86 - NSR63	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Proposed Development Noise LA90 dB	-	27.5	30.6	34.1	35.9	36.2	36.2	36.2	36.2	36.2
	Exceedance Level	-	-15.5	-12.4	-8.9	-7.1	-6.8	-6.8	-8.3	-13.2	-18.1
87 - NSR76	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	28.9	32.0	35.4	37.3	37.6	37.6	37.6	37.6	37.6
	Exceedance Level	-	-14.1	-11.0	-7.6	-5.7	-5.4	-5.4	-6.3	-10.2	-14.7
88 - NSR70	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Proposed Development Noise LA90 dB	-	26.0	29.2	32.6	34.5	34.7	34.7	34.7	34.7	34.7
	Exceedance Level	-	-17.0	-13.8	-10.4	-8.5	-8.3	-8.3	-8.3	-14.1	-20.5
89 - NSR91	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	29.0	32.1	35.5	37.4	37.7	37.7	37.7	37.7	37.7
	Exceedance Level	-	-14.0	-10.9	-7.5	-5.6	-5.3	-5.3	-6.2	-10.1	-14.6
90 - NSR90	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Proposed Development Noise LA90 dB	-	25.6	28.8	32.2	34.1	34.4	34.4	34.4	34.4	34.4
	Exceedance Level	-	-17.4	-14.2	-10.8	-8.9	-8.6	-8.6	-8.6	-14.4	-20.8
91 - NSR51	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	28.3	31.5	34.9	36.8	37.0	37.0	37.0	37.0	37.0
	Exceedance Level	-	-14.7	-11.5	-8.1	-6.2	-6.0	-8.3	-13.7	-19.8	-26.5
92 - NSR96	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Proposed Development Noise LA90 dB	-	27.3	30.4	33.8	35.7	36.0	36.0	36.0	36.0	36.0
	Exceedance Level	-	-15.7	-12.6	-9.2	-7.3	-7.0	-7.0	-8.5	-13.4	-18.3
93 - NSR94	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	28.8	32.0	35.4	37.3	37.6	37.6	37.6	37.6	37.6
	Exceedance Level	-	-14.2	-11.0	-7.6	-5.7	-5.4	-7.7	-13.1	-19.2	-25.9
94 - NSR85	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Proposed Development Noise LA90 dB	-	25.7	28.9	32.3	34.2	34.4	34.4	34.4	34.4	34.4
	Exceedance Level	-	-17.3	-14.1	-10.7	-8.8	-8.6	-8.6	-8.6	-14.4	-20.8
95 - NSR108	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	25.7	28.9	32.3	34.2	34.4	34.4	34.4	34.4	34.4
	Exceedance Level	-	-17.3	-14.1	-10.7	-8.8	-8.6	-8.6	-8.6	-10.5	-14.8
96 - NSR100	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Proposed Development Noise LA90 dB	-	28.4	31.5	34.9	36.8	37.1	37.1	37.1	37.1	37.1
	Exceedance Level	-	-14.6	-11.5	-8.1	-6.2	-5.9	-5.9	-5.9	-9.6	-15.1
97 - NSR98	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Proposed Development Noise LA90 dB	-	25.5	28.6	32.0	33.9	34.2	34.2	34.2	34.2	34.2
	Exceedance Level	-	-17.5	-14.4	-11.0	-9.1	-8.8	-8.8	-8.8	-14.6	-21.0
98 - NSR88	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Proposed Development Noise LA90 dB	-	25.6	28.7	32.2	34.0	34.3	34.3	34.3	34.3	34.3
	Exceedance Level	-	-17.4	-14.3	-10.8	-9.0	-8.7	-8.7	-8.7	-14.5	-20.9
99 - NSR143	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Proposed Development Noise LA90 dB	-	26.6	29.7	33.1	35.0	35.3	35.3	35.3	35.3	35.3

Table A5.5 Site Specific Noise Limits Compliance Table at NSRs – Night-time

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
	Exceedance Level	-	-16.4	-13.3	-9.9	-8.0	-7.7	-7.7	-7.7	-11.4	-16.9
100 - NSR104	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.4	46.0	49.4	53.4
	Proposed Development Noise LA90 dB	-	28.0	31.2	34.6	36.5	36.7	36.7	36.7	36.7	36.7
	Exceedance Level	-	-15.0	-11.8	-8.4	-6.5	-6.3	-6.7	-9.3	-12.7	-16.7
101 - NSR112	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	25.5	28.7	32.1	34.0	34.2	34.2	34.2	34.2	34.2
	Exceedance Level	-	-17.5	-14.3	-10.9	-9.0	-8.8	-8.8	-8.8	-10.7	-15.0
102 - NSR206	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	23.7	26.9	30.3	32.2	32.5	32.5	32.5	32.5	32.5
	Exceedance Level	-	-19.3	-16.1	-12.7	-10.8	-10.5	-10.5	-10.5	-12.4	-16.7
103 - NSR106	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.4	46.0	49.4	53.4
	Proposed Development Noise LA90 dB	-	28.3	31.5	34.9	36.8	37.0	37.0	37.0	37.0	37.0
	Exceedance Level	-	-14.7	-11.5	-8.1	-6.2	-6.0	-6.4	-9.0	-12.4	-16.4
104 - NSR93	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Proposed Development Noise LA90 dB	-	25.4	28.5	31.9	33.8	34.1	34.1	34.1	34.1	34.1
	Exceedance Level	-	-17.6	-14.5	-11.1	-9.2	-8.9	-8.9	-8.9	-14.7	-21.1
105 - NSR212	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	23.5	26.7	30.1	32.0	32.2	32.2	32.2	32.2	32.2
	Exceedance Level	-	-19.5	-16.3	-12.9	-11.0	-10.8	-10.8	-10.8	-12.7	-17.0
106 - NSR110	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Proposed Development Noise LA90 dB	-	28.0	31.1	34.6	36.4	36.7	36.7	36.7	36.7	36.7
	Exceedance Level	-	-15.0	-11.9	-8.4	-6.6	-6.3	-6.3	-6.3	-10.0	-15.5
107 - NSR109	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Proposed Development Noise LA90 dB	-	25.1	28.3	31.7	33.6	33.9	33.9	33.9	33.9	33.9
	Exceedance Level	-	-17.9	-14.7	-11.3	-9.4	-9.1	-9.1	-9.1	-14.9	-21.3
108 - NSR216	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	23.5	26.6	30.1	31.9	32.2	32.2	32.2	32.2	32.2
	Exceedance Level	-	-19.5	-16.4	-12.9	-11.1	-10.8	-10.8	-10.8	-12.7	-17.0
109 - NSR102	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Proposed Development Noise LA90 dB	-	25.2	28.4	31.8	33.7	34.0	34.0	34.0	34.0	34.0
	Exceedance Level	-	-17.8	-14.6	-11.2	-9.3	-9.0	-9.0	-9.0	-14.8	-21.2
110 - NSR107	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	27.6	30.8	34.2	36.1	36.3	36.3	36.3	36.3	36.3
	Exceedance Level	-	-15.4	-12.2	-8.8	-6.9	-6.7	-9.0	-14.4	-20.5	-27.2
111 - NSR103	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Proposed Development Noise LA90 dB	-	25.2	28.4	31.8	33.6	33.9	33.9	33.9	33.9	33.9
	Exceedance Level	-	-17.8	-14.6	-11.2	-9.4	-9.1	-9.1	-9.1	-14.9	-21.3
112 - NSR113	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.4	46.0	49.4	53.4
	Proposed Development Noise LA90 dB	-	28.0	31.2	34.6	36.4	36.7	36.7	36.7	36.7	36.7
	Exceedance Level	-	-15.0	-11.8	-8.4	-6.6	-6.3	-6.7	-9.3	-12.7	-16.7
113 - NSR118	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Proposed Development Noise LA90 dB	-	25.3	28.5	31.9	33.7	34.0	34.0	34.0	34.0	34.0
	Exceedance Level	-	-17.7	-14.5	-11.1	-9.3	-9.0	-9.0	-9.0	-14.8	-21.2
114 - NSR115	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.4	46.0	49.4	53.4
	Proposed Development Noise LA90 dB	-	27.7	30.8	34.2	36.1	36.4	36.4	36.4	36.4	36.4
	Exceedance Level	-	-15.3	-12.2	-8.8	-6.9	-6.6	-7.0	-9.6	-13.0	-17.0
115 - NSR101	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	27.4	30.6	34.0	35.9	36.1	36.1	36.1	36.1	36.1
	Exceedance Level	-	-15.6	-12.4	-9.0	-7.1	-6.9	-9.2	-14.6	-20.7	-27.4
116 - NSR117	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Proposed Development Noise LA90 dB	-	24.9	28.0	31.4	33.3	33.6	33.6	33.6	33.6	33.6
	Exceedance Level	-	-18.1	-15.0	-11.6	-9.7	-9.4	-9.4	-9.4	-15.2	-21.6
117 - NSR119	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.4	46.0	49.4	53.4
	Proposed Development Noise LA90 dB	-	27.5	30.6	34.0	35.9	36.2	36.2	36.2	36.2	36.2
	Exceedance Level	-	-15.5	-12.4	-9.0	-7.1	-6.8	-7.2	-9.8	-13.2	-17.2
118 - NSR120	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	27.5	30.6	34.0	35.9	36.2	36.2	36.2	36.2	36.2
	Exceedance Level	-	-15.5	-12.4	-9.0	-7.1	-6.8	-9.1	-14.5	-20.6	-27.3
119 - NSR111	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	27.2	30.4	33.8	35.7	35.9	35.9	35.9	35.9	35.9
	Exceedance Level	-	-15.8	-12.6	-9.2	-7.3	-7.1	-9.4	-14.8	-20.9	-27.6
120 - NSR122	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	27.3	30.4	33.8	35.7	36.0	36.0	36.0	36.0	36.0
	Exceedance Level	-	-15.7	-12.6	-9.2	-7.3	-7.0	-9.3	-14.7	-20.8	-27.5
121 - NSR121	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	27.2	30.4	33.8	35.7	35.9	35.9	35.9	35.9	35.9
	Exceedance Level	-	-15.8	-12.6	-9.2	-7.3	-7.1	-9.4	-14.8	-20.9	-27.6
122 - NSR125	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	27.4	30.5	33.9	35.8	36.1	36.1	36.1	36.1	36.1
	Exceedance Level	-	-15.6	-12.5	-9.1	-7.2	-6.9	-9.2	-14.6	-20.7	-27.4
123 - NSR127	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	27.2	30.4	33.8	35.7	35.9	35.9	35.9	35.9	35.9
	Exceedance Level	-	-15.8	-12.6	-9.2	-7.3	-7.1	-7.1	-8.0	-11.9	-16.4
	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5

Table A5.5 Site Specific Noise Limits Compliance Table at NSRs – Night-time

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
124 - NSR130	Proposed Development Noise LA90 dB	-	27.1	30.3	33.7	35.6	35.9	35.9	35.9	35.9	35.9
	Exceedance Level	-	-15.9	-12.7	-9.3	-7.4	-7.1	-9.4	-14.8	-20.9	-27.6
125 - NSR215	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	23.3	26.5	29.9	31.8	32.0	32.0	32.0	32.0	32.0
	Exceedance Level	-	-19.7	-16.5	-13.1	-11.2	-11.0	-11.0	-11.0	-12.9	-17.2
126 - NSR134	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Proposed Development Noise LA90 dB	-	27.3	30.5	33.9	35.8	36.1	36.1	36.1	36.1	36.1
	Exceedance Level	-	-15.7	-12.5	-9.1	-7.2	-6.9	-6.9	-6.9	-10.6	-16.1
127 - NSR136	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	27.1	30.3	33.7	35.6	35.9	35.9	35.9	35.9	35.9
	Exceedance Level	-	-15.9	-12.7	-9.3	-7.4	-7.1	-9.4	-14.8	-20.9	-27.6
128 - NSR133	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Proposed Development Noise LA90 dB	-	24.5	27.6	31.0	32.9	33.2	33.2	33.2	33.2	33.2
	Exceedance Level	-	-18.5	-15.4	-12.0	-10.1	-9.8	-9.8	-9.8	-15.6	-22.0
129 - NSR135	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Proposed Development Noise LA90 dB	-	24.5	27.6	31.1	32.9	33.2	33.2	33.2	33.2	33.2
	Exceedance Level	-	-18.5	-15.4	-11.9	-10.1	-9.8	-9.8	-9.8	-15.6	-22.0
130 - NSR138	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Proposed Development Noise LA90 dB	-	27.3	30.5	33.9	35.8	36.0	36.0	36.0	36.0	36.0
	Exceedance Level	-	-15.7	-12.5	-9.1	-7.2	-7.0	-7.0	-7.0	-10.7	-16.2
131 - NSR116	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Proposed Development Noise LA90 dB	-	25.5	28.6	32.1	33.9	34.2	34.2	34.2	34.2	34.2
	Exceedance Level	-	-17.5	-14.4	-10.9	-9.1	-8.8	-8.8	-10.3	-15.2	-20.1
132 - NSR124	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	25.4	28.6	32.0	33.9	34.1	34.1	34.1	34.1	34.1
	Exceedance Level	-	-17.6	-14.4	-11.0	-9.1	-8.9	-11.2	-16.6	-22.7	-29.4
133 - NSR123	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	25.6	28.7	32.2	34.0	34.3	34.3	34.3	34.3	34.3
	Exceedance Level	-	-17.4	-14.3	-10.8	-9.0	-8.7	-11.0	-16.4	-22.5	-29.2
134 - NSR139	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	27.3	30.4	33.8	35.7	36.0	36.0	36.0	36.0	36.0
	Exceedance Level	-	-15.7	-12.6	-9.2	-7.3	-7.0	-9.3	-14.7	-20.8	-27.5
135 - NSR149	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Proposed Development Noise LA90 dB	-	24.7	27.9	31.3	33.2	33.4	33.4	33.4	33.4	33.4
	Exceedance Level	-	-18.3	-15.1	-11.7	-9.8	-9.6	-9.6	-9.6	-15.4	-21.8
136 - NSR241	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	23.0	26.2	29.6	31.5	31.7	31.7	31.7	31.7	31.7
	Exceedance Level	-	-20.0	-16.8	-13.4	-11.5	-11.3	-11.3	-11.3	-13.2	-17.5
137 - NSR142	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	25.5	28.7	32.1	33.9	34.2	34.2	34.2	34.2	34.2
	Exceedance Level	-	-17.5	-14.3	-10.9	-9.1	-8.8	-8.8	-9.7	-13.6	-18.1
138 - NSR141	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Proposed Development Noise LA90 dB	-	24.4	27.6	31.0	32.8	33.1	33.1	33.1	33.1	33.1
	Exceedance Level	-	-18.6	-15.4	-12.0	-10.2	-9.9	-9.9	-9.9	-15.7	-22.1
139 - NSR126	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	25.4	28.6	32.0	33.9	34.2	34.2	34.2	34.2	34.2
	Exceedance Level	-	-17.6	-14.4	-11.0	-9.1	-8.8	-11.1	-16.5	-22.6	-29.3
140 - NSR145	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	26.2	29.4	32.8	34.7	35.0	35.0	35.0	35.0	35.0
	Exceedance Level	-	-16.8	-13.6	-10.2	-8.3	-8.0	-8.0	-8.9	-12.8	-17.3
141 - NSR146	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Proposed Development Noise LA90 dB	-	25.3	28.5	31.9	33.8	34.1	34.1	34.1	34.1	34.1
	Exceedance Level	-	-17.7	-14.5	-11.1	-9.2	-8.9	-8.9	-10.4	-15.3	-20.2
142 - NSR147	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.4	46.0	49.4	53.4
	Proposed Development Noise LA90 dB	-	27.0	30.2	33.6	35.5	35.7	35.7	35.7	35.7	35.7
	Exceedance Level	-	-16.0	-12.8	-9.4	-7.5	-7.3	-7.7	-10.3	-13.7	-17.7
143 - NSR150	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	25.6	28.7	32.1	34.0	34.3	34.3	34.3	34.3	34.3
	Exceedance Level	-	-17.4	-14.3	-10.9	-9.0	-8.7	-8.7	-9.6	-13.5	-18.0
144 - NSR151	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	27.2	30.3	33.7	35.6	35.9	35.9	35.9	35.9	35.9
	Exceedance Level	-	-15.8	-12.7	-9.3	-7.4	-7.1	-9.4	-14.8	-20.9	-27.6
145 - NSR152	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Proposed Development Noise LA90 dB	-	25.3	28.5	31.9	33.7	34.0	34.0	34.0	34.0	34.0
	Exceedance Level	-	-17.7	-14.5	-11.1	-9.3	-9.0	-9.0	-10.5	-15.4	-20.3
146 - NSR153	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Proposed Development Noise LA90 dB	-	24.3	27.4	30.9	32.7	33.0	33.0	33.0	33.0	33.0
	Exceedance Level	-	-18.7	-15.6	-12.1	-10.3	-10.0	-10.0	-10.0	-15.8	-22.2
147 - NSR154	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	25.9	29.1	32.5	34.4	34.6	34.6	34.6	34.6	34.6
	Exceedance Level	-	-17.1	-13.9	-10.5	-8.6	-8.4	-8.4	-9.3	-13.2	-17.7
148 - NSR225	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	23.1	26.3	29.7	31.5	31.8	31.8	31.8	31.8	31.8
	Exceedance Level	-	-19.9	-16.7	-13.3	-11.5	-11.2	-11.2	-11.2	-13.1	-17.4

Table A5.5 Site Specific Noise Limits Compliance Table at NSRs – Night-time

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
149 - NSR155	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Proposed Development Noise LA90 dB	-	25.2	28.4	31.8	33.7	34.0	34.0	34.0	34.0	34.0
	Exceedance Level	-	-17.8	-14.6	-11.2	-9.3	-9.0	-9.0	-10.5	-15.4	-20.3
150 - NSR156	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	27.0	30.1	33.5	35.4	35.7	35.7	35.7	35.7	35.7
	Exceedance Level	-	-16.0	-12.9	-9.5	-7.6	-7.3	-7.3	-8.2	-12.1	-16.6
151 - NSR157	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	26.5	29.7	33.1	34.9	35.2	35.2	35.2	35.2	35.2
	Exceedance Level	-	-16.5	-13.3	-9.9	-8.1	-7.8	-7.8	-8.7	-12.6	-17.1
152 - NSR128	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	25.5	28.7	32.1	34.0	34.3	34.3	34.3	34.3	34.3
	Exceedance Level	-	-17.5	-14.3	-10.9	-9.0	-8.7	-11.0	-16.4	-22.5	-29.2
153 - NSR250	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	22.7	25.8	29.2	31.1	31.4	31.4	31.4	31.4	31.4
	Exceedance Level	-	-20.3	-17.2	-13.8	-11.9	-11.6	-11.6	-11.6	-13.5	-17.8
154 - NSR159	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	26.9	30.1	33.5	35.4	35.6	35.6	35.6	35.6	35.6
	Exceedance Level	-	-16.1	-12.9	-9.5	-7.6	-7.4	-7.4	-8.3	-12.2	-16.7
155 - NSR137	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Proposed Development Noise LA90 dB	-	24.2	27.4	30.8	32.7	32.9	32.9	32.9	32.9	32.9
	Exceedance Level	-	-18.8	-15.6	-12.2	-10.3	-10.1	-10.1	-10.1	-15.9	-22.3
156 - NSR161	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	25.2	28.4	31.8	33.7	34.0	34.0	34.0	34.0	34.0
	Exceedance Level	-	-17.8	-14.6	-11.2	-9.3	-9.0	-9.0	-9.9	-13.8	-18.3
157 - NSR163	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Proposed Development Noise LA90 dB	-	24.2	27.4	30.8	32.6	32.9	32.9	32.9	32.9	32.9
	Exceedance Level	-	-18.8	-15.6	-12.2	-10.4	-10.1	-10.1	-10.1	-15.9	-22.3
158 - NSR231	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	22.9	26.1	29.5	31.4	31.7	31.7	31.7	31.7	31.7
	Exceedance Level	-	-20.1	-16.9	-13.5	-11.6	-11.3	-11.3	-11.3	-13.2	-17.5
159 - NSR251	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	23.0	26.2	29.6	31.5	31.8	31.8	31.8	31.8	31.8
	Exceedance Level	-	-20.0	-16.8	-13.4	-11.5	-11.2	-11.2	-11.2	-13.1	-17.4
160 - NSR164	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	26.9	30.1	33.5	35.3	35.6	35.6	35.6	35.6	35.6
	Exceedance Level	-	-16.1	-12.9	-9.5	-7.7	-7.4	-7.4	-8.3	-12.2	-16.7
161 - NSR174	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Proposed Development Noise LA90 dB	-	24.4	27.5	31.0	32.8	33.1	33.1	33.1	33.1	33.1
	Exceedance Level	-	-18.6	-15.5	-12.0	-10.2	-9.9	-9.9	-9.9	-15.7	-22.1
162 - NSR167	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Proposed Development Noise LA90 dB	-	26.9	30.1	33.5	35.4	35.7	35.7	35.7	35.7	35.7
	Exceedance Level	-	-16.1	-12.9	-9.5	-7.6	-7.3	-7.3	-7.3	-11.0	-16.5
163 - NSR253	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	22.8	25.9	29.4	31.2	31.5	31.5	31.5	31.5	31.5
	Exceedance Level	-	-20.2	-17.1	-13.6	-11.8	-11.5	-11.5	-11.5	-13.4	-17.7
164 - NSR166	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.4	46.0	49.4	53.4
	Proposed Development Noise LA90 dB	-	26.9	30.1	33.5	35.3	35.6	35.6	35.6	35.6	35.6
	Exceedance Level	-	-16.1	-12.9	-9.5	-7.7	-7.4	-7.8	-10.4	-13.8	-17.8
165 - NSR131	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Proposed Development Noise LA90 dB	-	25.0	28.2	31.6	33.5	33.8	33.8	33.8	33.8	33.8
	Exceedance Level	-	-18.0	-14.8	-11.4	-9.5	-9.2	-9.2	-10.7	-15.6	-20.5
166 - NSR132	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Proposed Development Noise LA90 dB	-	24.9	28.1	31.5	33.4	33.7	33.7	33.7	33.7	33.7
	Exceedance Level	-	-18.1	-14.9	-11.5	-9.6	-9.3	-9.3	-10.8	-15.7	-20.6
167 - NSR252	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	22.5	25.7	29.1	30.9	31.2	31.2	31.2	31.2	31.2
	Exceedance Level	-	-20.5	-17.3	-13.9	-12.1	-11.8	-11.8	-11.8	-13.7	-18.0
168 - NSR169	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	25.8	29.0	32.4	34.3	34.5	34.5	34.5	34.5	34.5
	Exceedance Level	-	-17.2	-14.0	-10.6	-8.7	-8.5	-8.5	-9.4	-13.3	-17.8
169 - NSR170	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	25.8	29.0	32.4	34.3	34.6	34.6	34.6	34.6	34.6
	Exceedance Level	-	-17.2	-14.0	-10.6	-8.7	-8.4	-8.4	-9.3	-13.2	-17.7
170 - NSR172	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	25.4	28.6	32.0	33.9	34.1	34.1	34.1	34.1	34.1
	Exceedance Level	-	-17.6	-14.4	-11.0	-9.1	-8.9	-8.9	-9.8	-13.7	-18.2
171 - NSR175	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	26.9	30.0	33.4	35.3	35.6	35.6	35.6	35.6	35.6
	Exceedance Level	-	-16.1	-13.0	-9.6	-7.7	-7.4	-7.4	-8.3	-12.2	-16.7
172 - NSR176	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.4	46.0	49.4	53.4
	Proposed Development Noise LA90 dB	-	26.8	29.9	33.3	35.2	35.5	35.5	35.5	35.5	35.5
	Exceedance Level	-	-16.2	-13.1	-9.7	-7.8	-7.5	-7.9	-10.5	-13.9	-17.9
173 - NSR177	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	25.3	28.5	31.9	33.8	34.1	34.1	34.1	34.1	34.1

Table A5.5 Site Specific Noise Limits Compliance Table at NSRs – Night-time

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
	Exceedance Level	-	-17.7	-14.5	-11.1	-9.2	-8.9	-8.9	-9.8	-13.7	-18.2
174 - NSR178	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	25.7	28.9	32.3	34.2	34.4	34.4	34.4	34.4	34.4
	Exceedance Level	-	-17.3	-14.1	-10.7	-8.8	-8.6	-8.6	-9.5	-13.4	-17.9
175 - NSR179	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	25.7	28.8	32.2	34.1	34.4	34.4	34.4	34.4	34.4
	Exceedance Level	-	-17.3	-14.2	-10.8	-8.9	-8.6	-8.6	-9.5	-13.4	-17.9
176 - NSR180	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	26.8	30.0	33.4	35.3	35.6	35.6	35.6	35.6	35.6
	Exceedance Level	-	-16.2	-13.0	-9.6	-7.7	-7.4	-7.4	-8.3	-12.2	-16.7
177 - NSR183	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	25.5	28.7	32.1	33.9	34.2	34.2	34.2	34.2	34.2
	Exceedance Level	-	-17.5	-14.3	-10.9	-9.1	-8.8	-8.8	-9.7	-13.6	-18.1
178 - NSR144	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	25.3	28.5	31.9	33.8	34.0	34.0	34.0	34.0	34.0
	Exceedance Level	-	-17.7	-14.5	-11.1	-9.2	-9.0	-11.3	-16.7	-22.8	-29.5
179 - NSR184	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	25.4	28.6	32.0	33.9	34.2	34.2	34.2	34.2	34.2
	Exceedance Level	-	-17.6	-14.4	-11.0	-9.1	-8.8	-8.8	-9.7	-13.6	-18.1
180 - NSR262	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	22.9	26.0	29.5	31.3	31.6	31.6	31.6	31.6	31.6
	Exceedance Level	-	-20.1	-17.0	-13.5	-11.7	-11.4	-11.4	-11.4	-13.3	-17.6
181 - NSR185	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Proposed Development Noise LA90 dB	-	23.9	27.1	30.5	32.4	32.7	32.7	32.7	32.7	32.7
	Exceedance Level	-	-19.1	-15.9	-12.5	-10.6	-10.3	-10.3	-10.3	-16.1	-22.5
182 - NSR186	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Proposed Development Noise LA90 dB	-	24.9	28.1	31.5	33.4	33.7	33.7	33.7	33.7	33.7
	Exceedance Level	-	-18.1	-14.9	-11.5	-9.6	-9.3	-9.3	-10.8	-15.7	-20.6
183 - NSR187	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Proposed Development Noise LA90 dB	-	25.3	28.5	31.9	33.8	34.1	34.1	34.1	34.1	34.1
	Exceedance Level	-	-17.7	-14.5	-11.1	-9.2	-8.9	-8.9	-10.4	-15.3	-20.2
184 - NSR188	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Proposed Development Noise LA90 dB	-	24.9	28.1	31.5	33.3	33.6	33.6	33.6	33.6	33.6
	Exceedance Level	-	-18.1	-14.9	-11.5	-9.7	-9.4	-9.4	-10.9	-15.8	-20.7
185 - NSR239	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	22.7	25.9	29.3	31.2	31.5	31.5	31.5	31.5	31.5
	Exceedance Level	-	-20.3	-17.1	-13.7	-11.8	-11.5	-11.5	-11.5	-13.4	-17.7
186 - NSR158	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Proposed Development Noise LA90 dB	-	23.9	27.1	30.5	32.4	32.6	32.6	32.6	32.6	32.6
	Exceedance Level	-	-19.1	-15.9	-12.5	-10.6	-10.4	-10.4	-10.4	-16.2	-22.6
187 - NSR189	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	25.4	28.6	32.0	33.9	34.2	34.2	34.2	34.2	34.2
	Exceedance Level	-	-17.6	-14.4	-11.0	-9.1	-8.8	-8.8	-9.7	-13.6	-18.1
188 - NSR191	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	25.3	28.4	31.8	33.7	34.0	34.0	34.0	34.0	34.0
	Exceedance Level	-	-17.7	-14.6	-11.2	-9.3	-9.0	-9.0	-9.9	-13.8	-18.3
189 - NSR165	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	24.9	28.1	31.5	33.4	33.6	33.6	33.6	33.6	33.6
	Exceedance Level	-	-18.1	-14.9	-11.5	-9.6	-9.4	-11.7	-17.1	-23.2	-29.9
190 - NSR192	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	26.8	30.0	33.4	35.2	35.5	35.5	35.5	35.5	35.5
	Exceedance Level	-	-16.2	-13.0	-9.6	-7.8	-7.5	-7.5	-8.4	-12.3	-16.8
191 - NSR193	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Proposed Development Noise LA90 dB	-	24.8	28.0	31.4	33.3	33.6	33.6	33.6	33.6	33.6
	Exceedance Level	-	-18.2	-15.0	-11.6	-9.7	-9.4	-9.4	-10.9	-15.8	-20.7
192 - NSR194	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	25.2	28.4	31.8	33.7	34.0	34.0	34.0	34.0	34.0
	Exceedance Level	-	-17.8	-14.6	-11.2	-9.3	-9.0	-9.0	-9.9	-13.8	-18.3
193 - NSR265	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	22.7	25.9	29.3	31.2	31.5	31.5	31.5	31.5	31.5
	Exceedance Level	-	-20.3	-17.1	-13.7	-11.8	-11.5	-11.5	-11.5	-13.4	-17.7
194 - NSR148	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	25.4	28.6	32.0	33.9	34.2	34.2	34.2	34.2	34.2
	Exceedance Level	-	-17.6	-14.4	-11.0	-9.1	-8.8	-11.1	-16.5	-22.6	-29.3
195 - NSR196	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	26.8	29.9	33.3	35.2	35.5	35.5	35.5	35.5	35.5
	Exceedance Level	-	-16.2	-13.1	-9.7	-7.8	-7.5	-7.5	-8.4	-12.3	-16.8
196 - NSR198	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	26.1	29.2	32.6	34.5	34.8	34.8	34.8	34.8	34.8
	Exceedance Level	-	-16.9	-13.8	-10.4	-8.5	-8.2	-8.2	-9.1	-13.0	-17.5
197 - NSR199	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.4	46.0	49.4	53.4
	Proposed Development Noise LA90 dB	-	26.4	29.6	33.0	34.9	35.1	35.1	35.1	35.1	35.1
	Exceedance Level	-	-16.6	-13.4	-10.0	-8.1	-7.9	-8.3	-10.9	-14.3	-18.3
	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3

Table A5.5 Site Specific Noise Limits Compliance Table at NSRs – Night-time

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
198 - NSR200	Proposed Development Noise LA90 dB	-	26.1	29.3	32.7	34.6	34.8	34.8	34.8	34.8	34.8
	Exceedance Level	-	-16.9	-13.7	-10.3	-8.4	-8.2	-8.2	-9.1	-13.0	-17.5
199 - NSR171	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	25.0	28.2	31.6	33.5	33.7	33.7	33.7	33.7	33.7
	Exceedance Level	-	-18.0	-14.8	-11.4	-9.5	-9.3	-11.6	-17.0	-23.1	-29.8
200 - NSR201	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	25.0	28.1	31.6	33.4	33.7	33.7	33.7	33.7	33.7
	Exceedance Level	-	-18.0	-14.9	-11.4	-9.6	-9.3	-9.3	-10.2	-14.1	-18.6
201 - NSR168	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Proposed Development Noise LA90 dB	-	25.4	28.5	31.9	33.8	34.1	34.1	34.1	34.1	34.1
	Exceedance Level	-	-17.6	-14.5	-11.1	-9.2	-8.9	-8.9	-10.4	-15.3	-20.2
202 - NSR202	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Proposed Development Noise LA90 dB	-	26.4	29.5	33.0	34.8	35.1	35.1	35.1	35.1	35.1
	Exceedance Level	-	-16.6	-13.5	-10.0	-8.2	-7.9	-7.9	-7.9	-11.6	-17.1
203 - NSR274	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	22.7	25.9	29.3	31.2	31.5	31.5	31.5	31.5	31.5
	Exceedance Level	-	-20.3	-17.1	-13.7	-11.8	-11.5	-11.5	-11.5	-13.4	-17.7
204 - NSR162	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	25.4	28.6	32.0	33.8	34.1	34.1	34.1	34.1	34.1
	Exceedance Level	-	-17.6	-14.4	-11.0	-9.2	-8.9	-11.2	-16.6	-22.7	-29.4
205 - NSR204	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	26.3	29.5	32.9	34.7	35.0	35.0	35.0	35.0	35.0
	Exceedance Level	-	-16.7	-13.5	-10.1	-8.3	-8.0	-8.0	-8.9	-12.8	-17.3
206 - NSR230	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	23.2	26.3	29.7	31.6	31.9	31.9	31.9	31.9	31.9
	Exceedance Level	-	-19.8	-16.7	-13.3	-11.4	-11.1	-11.1	-11.1	-13.0	-17.3
207 - NSR284	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	22.3	25.4	28.8	30.7	31.0	31.0	31.0	31.0	31.0
	Exceedance Level	-	-20.7	-17.6	-14.2	-12.3	-12.0	-12.0	-12.0	-13.9	-18.2
208 - NSR195	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	24.6	27.8	31.2	33.0	33.3	33.3	33.3	33.3	33.3
	Exceedance Level	-	-18.4	-15.2	-11.8	-10.0	-9.7	-12.0	-17.4	-23.5	-30.2
209 - NSR205	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Proposed Development Noise LA90 dB	-	23.5	26.7	30.1	32.0	32.2	32.2	32.2	32.2	32.2
	Exceedance Level	-	-19.5	-16.3	-12.9	-11.0	-10.8	-10.8	-10.8	-16.6	-23.0
210 - NSR282	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	22.6	25.7	29.1	31.0	31.3	31.3	31.3	31.3	31.3
	Exceedance Level	-	-20.4	-17.3	-13.9	-12.0	-11.7	-11.7	-11.7	-13.6	-17.9
211 - NSR208	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	26.3	29.5	32.9	34.8	35.0	35.0	35.0	35.0	35.0
	Exceedance Level	-	-16.7	-13.5	-10.1	-8.2	-8.0	-8.0	-8.9	-12.8	-17.3
212 - NSR234	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	23.0	26.2	29.6	31.5	31.7	31.7	31.7	31.7	31.7
	Exceedance Level	-	-20.0	-16.8	-13.4	-11.5	-11.3	-11.3	-11.3	-13.2	-17.5
213 - NSR210	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Proposed Development Noise LA90 dB	-	26.2	29.4	32.8	34.7	34.9	34.9	34.9	34.9	34.9
	Exceedance Level	-	-16.8	-13.6	-10.2	-8.3	-8.1	-8.1	-8.1	-11.8	-17.3
214 - NSR190	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Proposed Development Noise LA90 dB	-	25.4	28.6	32.0	33.8	34.1	34.1	34.1	34.1	34.1
	Exceedance Level	-	-17.6	-14.4	-11.0	-9.2	-8.9	-8.9	-10.4	-15.3	-20.2
215 - NSR211	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	26.3	29.5	32.9	34.8	35.1	35.1	35.1	35.1	35.1
	Exceedance Level	-	-16.7	-13.5	-10.1	-8.2	-7.9	-7.9	-8.8	-12.7	-17.2
216 - NSR292	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	22.2	25.3	28.7	30.6	30.9	30.9	30.9	30.9	30.9
	Exceedance Level	-	-20.8	-17.7	-14.3	-12.4	-12.1	-12.1	-12.1	-14.0	-18.3
217 - NSR233	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	23.1	26.3	29.7	31.6	31.9	31.9	31.9	31.9	31.9
	Exceedance Level	-	-19.9	-16.7	-13.3	-11.4	-11.1	-11.1	-11.1	-13.0	-17.3
218 - NSR254	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	22.4	25.6	29.0	30.9	31.2	31.2	31.2	31.2	31.2
	Exceedance Level	-	-20.6	-17.4	-14.0	-12.1	-11.8	-11.8	-11.8	-13.7	-18.0
219 - NSR197	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	24.6	27.8	31.2	33.1	33.3	33.3	33.3	33.3	33.3
	Exceedance Level	-	-18.4	-15.2	-11.8	-9.9	-9.7	-12.0	-17.4	-23.5	-30.2
220 - NSR289	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	22.5	25.7	29.1	31.0	31.2	31.2	31.2	31.2	31.2
	Exceedance Level	-	-20.5	-17.3	-13.9	-12.0	-11.8	-11.8	-11.8	-13.7	-18.0
221 - NSR203	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	24.3	27.5	30.9	32.7	33.0	33.0	33.0	33.0	33.0
	Exceedance Level	-	-18.7	-15.5	-12.1	-10.3	-10.0	-12.3	-17.7	-23.8	-30.5
222 - NSR213	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.4	46.0	49.4	53.4
	Proposed Development Noise LA90 dB	-	26.2	29.4	32.8	34.7	35.0	35.0	35.0	35.0	35.0
	Exceedance Level	-	-16.8	-13.6	-10.2	-8.3	-8.0	-8.4	-11.0	-14.4	-18.4

Table A5.5 Site Specific Noise Limits Compliance Table at NSRs – Night-time

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
223 - NSR217	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	24.7	27.9	31.3	33.2	33.5	33.5	33.5	33.5	33.5
	Exceedance Level	-	-18.3	-15.1	-11.7	-9.8	-9.5	-9.5	-10.4	-14.3	-18.8
224 - NSR182	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	25.3	28.5	31.9	33.8	34.0	34.0	34.0	34.0	34.0
	Exceedance Level	-	-17.7	-14.5	-11.1	-9.2	-9.0	-11.3	-16.7	-22.8	-29.5
225 - NSR291	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	21.9	25.0	28.4	30.3	30.6	30.6	30.6	30.6	30.6
	Exceedance Level	-	-21.1	-18.0	-14.6	-12.7	-12.4	-12.4	-12.4	-14.3	-18.6
226 - NSR298	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	22.1	25.3	28.7	30.6	30.8	30.8	30.8	30.8	30.8
	Exceedance Level	-	-20.9	-17.7	-14.3	-12.4	-12.2	-12.2	-12.2	-14.1	-18.4
227 - NSR243	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	22.8	26.0	29.4	31.3	31.5	31.5	31.5	31.5	31.5
	Exceedance Level	-	-20.2	-17.0	-13.6	-11.7	-11.5	-11.5	-11.5	-13.4	-17.7
228 - NSR218	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.4	46.0	49.4	53.4
	Proposed Development Noise LA90 dB	-	26.0	29.2	32.6	34.5	34.7	34.7	34.7	34.7	34.7
	Exceedance Level	-	-17.0	-13.8	-10.4	-8.5	-8.3	-8.7	-11.3	-14.7	-18.7
229 - NSR220	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	24.5	27.7	31.1	33.0	33.3	33.3	33.3	33.3	33.3
	Exceedance Level	-	-18.5	-15.3	-11.9	-10.0	-9.7	-9.7	-10.6	-14.5	-19.0
230 - NSR222	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	24.6	27.8	31.2	33.0	33.3	33.3	33.3	33.3	33.3
	Exceedance Level	-	-18.4	-15.2	-11.8	-10.0	-9.7	-9.7	-10.6	-14.5	-19.0
231 - NSR268	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	22.2	25.4	28.8	30.6	30.9	30.9	30.9	30.9	30.9
	Exceedance Level	-	-20.8	-17.6	-14.2	-12.4	-12.1	-12.1	-12.1	-14.0	-18.3
232 - NSR237	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Proposed Development Noise LA90 dB	-	25.6	28.8	32.2	34.1	34.3	34.3	34.3	34.3	34.3
	Exceedance Level	-	-17.4	-14.2	-10.8	-8.9	-8.7	-8.7	-8.7	-12.4	-17.9
233 - NSR223	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.4	46.0	49.4	53.4
	Proposed Development Noise LA90 dB	-	25.6	28.7	32.2	34.0	34.3	34.3	34.3	34.3	34.3
	Exceedance Level	-	-17.4	-14.3	-10.8	-9.0	-8.7	-9.1	-11.7	-15.1	-19.1
234 - NSR240	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	23.0	26.2	29.6	31.4	31.7	31.7	31.7	31.7	31.7
	Exceedance Level	-	-20.0	-16.8	-13.4	-11.6	-11.3	-11.3	-11.3	-13.2	-17.5
235 - NSR227	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Proposed Development Noise LA90 dB	-	24.1	27.3	30.7	32.6	32.8	32.8	32.8	32.8	32.8
	Exceedance Level	-	-18.9	-15.7	-12.3	-10.4	-10.2	-10.2	-11.7	-16.6	-21.5
236 - NSR228	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	25.9	29.1	32.5	34.4	34.6	34.6	34.6	34.6	34.6
	Exceedance Level	-	-17.1	-13.9	-10.5	-8.6	-8.4	-8.4	-9.3	-13.2	-17.7
237 - NSR229	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	24.5	27.6	31.0	32.9	33.2	33.2	33.2	33.2	33.2
	Exceedance Level	-	-18.5	-15.4	-12.0	-10.1	-9.8	-9.8	-10.7	-14.6	-19.1
238 - NSR267	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Proposed Development Noise LA90 dB	-	24.9	28.1	31.5	33.4	33.6	33.6	33.6	33.6	33.6
	Exceedance Level	-	-18.1	-14.9	-11.5	-9.6	-9.4	-9.4	-9.4	-13.1	-18.6
239 - NSR286	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	21.9	25.1	28.5	30.3	30.6	30.6	30.6	30.6	30.6
	Exceedance Level	-	-21.1	-17.9	-14.5	-12.7	-12.4	-12.4	-12.4	-14.3	-18.6
240 - NSR224	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Proposed Development Noise LA90 dB	-	22.8	26.0	29.4	31.3	31.6	31.6	31.6	31.6	31.6
	Exceedance Level	-	-20.2	-17.0	-13.6	-11.7	-11.4	-11.4	-11.4	-17.2	-23.6
241 - NSR315	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	21.4	24.6	28.0	29.9	30.2	30.2	30.2	30.2	30.2
	Exceedance Level	-	-21.6	-18.4	-15.0	-13.1	-12.8	-12.8	-12.8	-14.7	-19.0
242 - NSR238	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Proposed Development Noise LA90 dB	-	24.0	27.2	30.6	32.5	32.7	32.7	32.7	32.7	32.7
	Exceedance Level	-	-19.0	-15.8	-12.4	-10.5	-10.3	-10.3	-11.8	-16.7	-21.6
243 - NSR280	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Proposed Development Noise LA90 dB	-	24.6	27.8	31.2	33.1	33.3	33.3	33.3	33.3	33.3
	Exceedance Level	-	-18.4	-15.2	-11.8	-9.9	-9.7	-9.7	-9.7	-13.4	-18.9
244 - NSR209	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	25.0	28.1	31.5	33.4	33.7	33.7	33.7	33.7	33.7
	Exceedance Level	-	-18.0	-14.9	-11.5	-9.6	-9.3	-11.6	-17.0	-23.1	-29.8
245 - NSR297	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	21.7	24.9	28.3	30.2	30.5	30.5	30.5	30.5	30.5
	Exceedance Level	-	-21.3	-18.1	-14.7	-12.8	-12.5	-12.5	-12.5	-14.4	-18.7
246 - NSR246	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	24.0	27.2	30.6	32.5	32.8	32.8	32.8	32.8	32.8
	Exceedance Level	-	-19.0	-15.8	-12.4	-10.5	-10.2	-10.2	-11.1	-15.0	-19.5
247 - NSR219	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	24.5	27.7	31.1	33.0	33.3	33.3	33.3	33.3	33.3

Table A5.5 Site Specific Noise Limits Compliance Table at NSRs – Night-time

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
	Exceedance Level	-	-18.5	-15.3	-11.9	-10.0	-9.7	-12.0	-17.4	-23.5	-30.2
248 - NSR277	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	22.2	25.4	28.8	30.7	30.9	30.9	30.9	30.9	30.9
	Exceedance Level	-	-20.8	-17.6	-14.2	-12.3	-12.1	-12.1	-12.1	-14.0	-18.3
249 - NSR248	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Proposed Development Noise LA90 dB	-	23.6	26.7	30.2	32.0	32.3	32.3	32.3	32.3	32.3
	Exceedance Level	-	-19.4	-16.3	-12.8	-11.0	-10.7	-10.7	-12.2	-17.1	-22.0
250 - NSR249	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.4	46.0	49.4	53.4
	Proposed Development Noise LA90 dB	-	25.4	28.6	32.0	33.9	34.2	34.2	34.2	34.2	34.2
	Exceedance Level	-	-17.6	-14.4	-11.0	-9.1	-8.8	-9.2	-11.8	-15.2	-19.2
251 - NSR221	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	24.8	27.9	31.3	33.2	33.5	33.5	33.5	33.5	33.5
	Exceedance Level	-	-18.2	-15.1	-11.7	-9.8	-9.5	-11.8	-17.2	-23.3	-30.0
252 - NSR305	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	21.6	24.8	28.2	30.0	30.3	30.3	30.3	30.3	30.3
	Exceedance Level	-	-21.4	-18.2	-14.8	-13.0	-12.7	-12.7	-12.7	-14.6	-18.9
253 - NSR255	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	24.1	27.2	30.6	32.5	32.8	32.8	32.8	32.8	32.8
	Exceedance Level	-	-18.9	-15.8	-12.4	-10.5	-10.2	-10.2	-11.1	-15.0	-19.5
254 - NSR256	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.4	46.0	49.4	53.4
	Proposed Development Noise LA90 dB	-	25.4	28.5	31.9	33.8	34.1	34.1	34.1	34.1	34.1
	Exceedance Level	-	-17.6	-14.5	-11.1	-9.2	-8.9	-9.3	-11.9	-15.3	-19.3
255 - NSR257	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.4	46.0	49.4	53.4
	Proposed Development Noise LA90 dB	-	25.3	28.5	31.9	33.8	34.1	34.1	34.1	34.1	34.1
	Exceedance Level	-	-17.7	-14.5	-11.1	-9.2	-8.9	-9.3	-11.9	-15.3	-19.3
256 - NSR236	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	24.7	27.9	31.3	33.1	33.4	33.4	33.4	33.4	33.4
	Exceedance Level	-	-18.3	-15.1	-11.7	-9.9	-9.6	-11.9	-17.3	-23.4	-30.1
257 - NSR226	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	24.6	27.8	31.2	33.1	33.3	33.3	33.3	33.3	33.3
	Exceedance Level	-	-18.4	-15.2	-11.8	-9.9	-9.7	-12.0	-17.4	-23.5	-30.2
258 - NSR301	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Proposed Development Noise LA90 dB	-	24.2	27.3	30.7	32.6	32.9	32.9	32.9	32.9	32.9
	Exceedance Level	-	-18.8	-15.7	-12.3	-10.4	-10.1	-10.1	-10.1	-13.8	-19.3
259 - NSR275	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	22.3	25.5	28.9	30.8	31.1	31.1	31.1	31.1	31.1
	Exceedance Level	-	-20.7	-17.5	-14.1	-12.2	-11.9	-11.9	-11.9	-13.8	-18.1
260 - NSR232	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	24.3	27.4	30.9	32.7	33.0	33.0	33.0	33.0	33.0
	Exceedance Level	-	-18.7	-15.6	-12.1	-10.3	-10.0	-12.3	-17.7	-23.8	-30.5
261 - NSR260	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.4	46.0	49.4	53.4
	Proposed Development Noise LA90 dB	-	25.3	28.5	31.9	33.8	34.1	34.1	34.1	34.1	34.1
	Exceedance Level	-	-17.7	-14.5	-11.1	-9.2	-8.9	-9.3	-11.9	-15.3	-19.3
262 - NSR258	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	24.8	27.9	31.3	33.2	33.5	33.5	33.5	33.5	33.5
	Exceedance Level	-	-18.2	-15.1	-11.7	-9.8	-9.5	-11.8	-17.2	-23.3	-30.0
263 - NSR235	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	24.5	27.7	31.1	33.0	33.3	33.3	33.3	33.3	33.3
	Exceedance Level	-	-18.5	-15.3	-11.9	-10.0	-9.7	-12.0	-17.4	-23.5	-30.2
264 - NSR309	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	21.6	24.8	28.2	30.0	30.3	30.3	30.3	30.3	30.3
	Exceedance Level	-	-21.4	-18.2	-14.8	-13.0	-12.7	-12.7	-12.7	-14.6	-18.9
265 - NSR263	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.4	46.0	49.4	53.4
	Proposed Development Noise LA90 dB	-	25.3	28.4	31.9	33.7	34.0	34.0	34.0	34.0	34.0
	Exceedance Level	-	-17.7	-14.6	-11.1	-9.3	-9.0	-9.4	-12.0	-15.4	-19.4
266 - NSR264	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.4	46.0	49.4	53.4
	Proposed Development Noise LA90 dB	-	25.2	28.4	31.8	33.7	34.0	34.0	34.0	34.0	34.0
	Exceedance Level	-	-17.8	-14.6	-11.2	-9.3	-9.0	-9.4	-12.0	-15.4	-19.4
267 - NSR283	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.4	46.0	49.4	53.4
	Proposed Development Noise LA90 dB	-	24.4	27.5	30.9	32.8	33.1	33.1	33.1	33.1	33.1
	Exceedance Level	-	-18.6	-15.5	-12.1	-10.2	-9.9	-10.3	-12.9	-16.3	-20.3
268 - NSR266	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.4	46.0	49.4	53.4
	Proposed Development Noise LA90 dB	-	24.9	28.1	31.5	33.3	33.6	33.6	33.6	33.6	33.6
	Exceedance Level	-	-18.1	-14.9	-11.5	-9.7	-9.4	-9.8	-12.4	-15.8	-19.8
269 - NSR247	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	24.5	27.7	31.1	33.0	33.2	33.2	33.2	33.2	33.2
	Exceedance Level	-	-18.5	-15.3	-11.9	-10.0	-9.8	-12.1	-17.5	-23.6	-30.3
270 - NSR270	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	24.8	28.0	31.4	33.3	33.6	33.6	33.6	33.6	33.6
	Exceedance Level	-	-18.2	-15.0	-11.6	-9.7	-9.4	-9.4	-10.3	-14.2	-18.7
271 - NSR271	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	23.7	26.9	30.3	32.1	32.4	32.4	32.4	32.4	32.4
	Exceedance Level	-	-19.3	-16.1	-12.7	-10.9	-10.6	-10.6	-11.5	-15.4	-19.9
	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5

Table A5.5 Site Specific Noise Limits Compliance Table at NSRs – Night-time

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
272 - NSR242	Proposed Development Noise LA90 dB	-	24.0	27.2	30.6	32.5	32.8	32.8	32.8	32.8	32.8
	Exceedance Level	-	-19.0	-15.8	-12.4	-10.5	-10.2	-12.5	-17.9	-24.0	-30.7
273 - NSR287	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.4	46.0	49.4	53.4
	Proposed Development Noise LA90 dB	-	24.3	27.5	30.9	32.8	33.1	33.1	33.1	33.1	33.1
	Exceedance Level	-	-18.7	-15.5	-12.1	-10.2	-9.9	-10.3	-12.9	-16.3	-20.3
274 - NSR272	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.4	46.0	49.4	53.4
	Proposed Development Noise LA90 dB	-	25.1	28.2	31.7	33.5	33.8	33.8	33.8	33.8	33.8
	Exceedance Level	-	-17.9	-14.8	-11.3	-9.5	-9.2	-9.6	-12.2	-15.6	-19.6
275 - NSR261	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	24.5	27.6	31.0	32.9	33.2	33.2	33.2	33.2	33.2
	Exceedance Level	-	-18.5	-15.4	-12.0	-10.1	-9.8	-12.1	-17.5	-23.6	-30.3
276 - NSR245	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	24.3	27.5	30.9	32.8	33.1	33.1	33.1	33.1	33.1
	Exceedance Level	-	-18.7	-15.5	-12.1	-10.2	-9.9	-12.2	-17.6	-23.7	-30.4
277 - NSR276	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	24.0	27.2	30.6	32.5	32.7	32.7	32.7	32.7	32.7
	Exceedance Level	-	-19.0	-15.8	-12.4	-10.5	-10.3	-10.3	-11.2	-15.1	-19.6
278 - NSR269	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	24.4	27.5	31.0	32.8	33.1	33.1	33.1	33.1	33.1
	Exceedance Level	-	-18.6	-15.5	-12.0	-10.2	-9.9	-12.2	-17.6	-23.7	-30.4
279 - NSR278	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.4	46.0	49.4	53.4
	Proposed Development Noise LA90 dB	-	24.6	27.7	31.2	33.0	33.3	33.3	33.3	33.3	33.3
	Exceedance Level	-	-18.4	-15.3	-11.8	-10.0	-9.7	-10.1	-12.7	-16.1	-20.1
280 - NSR281	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	24.0	27.2	30.6	32.4	32.7	32.7	32.7	32.7	32.7
	Exceedance Level	-	-19.0	-15.8	-12.4	-10.6	-10.3	-10.3	-11.2	-15.1	-19.6
281 - NSR273	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	24.3	27.5	30.9	32.8	33.1	33.1	33.1	33.1	33.1
	Exceedance Level	-	-18.7	-15.5	-12.1	-10.2	-9.9	-12.2	-17.6	-23.7	-30.4
282 - NSR259	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	24.2	27.4	30.8	32.7	32.9	32.9	32.9	32.9	32.9
	Exceedance Level	-	-18.8	-15.6	-12.2	-10.3	-10.1	-12.4	-17.8	-23.9	-30.6
283 - NSR293	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Proposed Development Noise LA90 dB	-	22.9	26.0	29.4	31.3	31.6	31.6	31.6	31.6	31.6
	Exceedance Level	-	-20.1	-17.0	-13.6	-11.7	-11.4	-11.4	-12.9	-17.8	-22.7
284 - NSR285	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	23.5	26.6	30.0	31.9	32.2	32.2	32.2	32.2	32.2
	Exceedance Level	-	-19.5	-16.4	-13.0	-11.1	-10.8	-10.8	-11.7	-15.6	-20.1
285 - NSR288	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	23.2	26.4	29.8	31.7	32.0	32.0	32.0	32.0	32.0
	Exceedance Level	-	-19.8	-16.6	-13.2	-11.3	-11.0	-11.0	-11.9	-15.8	-20.3
286 - NSR304	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	21.9	25.1	28.5	30.4	30.7	30.7	30.7	30.7	30.7
	Exceedance Level	-	-21.1	-17.9	-14.5	-12.6	-12.3	-12.3	-12.3	-14.2	-18.5
287 - NSR302	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	22.0	25.2	28.6	30.5	30.7	30.7	30.7	30.7	30.7
	Exceedance Level	-	-21.0	-17.8	-14.4	-12.5	-12.3	-12.3	-12.3	-14.2	-18.5
288 - NSR290	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	23.6	26.8	30.2	32.0	32.3	32.3	32.3	32.3	32.3
	Exceedance Level	-	-19.4	-16.2	-12.8	-11.0	-10.7	-10.7	-11.6	-15.5	-20.0
289 - NSR295	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	24.4	27.6	31.0	32.8	33.1	33.1	33.1	33.1	33.1
	Exceedance Level	-	-18.6	-15.4	-12.0	-10.2	-9.9	-12.2	-17.6	-23.7	-30.4
290 - NSR296	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	23.5	26.6	30.1	31.9	32.2	32.2	32.2	32.2	32.2
	Exceedance Level	-	-19.5	-16.4	-12.9	-11.1	-10.8	-10.8	-11.7	-15.6	-20.1
291 - NSR311	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	21.9	25.1	28.5	30.3	30.6	30.6	30.6	30.6	30.6
	Exceedance Level	-	-21.1	-17.9	-14.5	-12.7	-12.4	-12.4	-12.4	-14.3	-18.6
292 - NSR299	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Proposed Development Noise LA90 dB	-	22.8	25.9	29.3	31.2	31.5	31.5	31.5	31.5	31.5
	Exceedance Level	-	-20.2	-17.1	-13.7	-11.8	-11.5	-11.5	-13.0	-17.9	-22.8
293 - NSR300	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	23.1	26.2	29.6	31.5	31.8	31.8	31.8	31.8	31.8
	Exceedance Level	-	-19.9	-16.8	-13.4	-11.5	-11.2	-11.2	-12.1	-16.0	-20.5
294 - NSR303	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	23.3	26.4	29.8	31.7	32.0	32.0	32.0	32.0	32.0
	Exceedance Level	-	-19.7	-16.6	-13.2	-11.3	-11.0	-11.0	-11.9	-15.8	-20.3
295 - NSR307	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	24.1	27.2	30.6	32.5	32.8	32.8	32.8	32.8	32.8
	Exceedance Level	-	-18.9	-15.8	-12.4	-10.5	-10.2	-12.5	-17.9	-24.0	-30.7
296 - NSR312	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.4	46.0	49.4	53.4
	Proposed Development Noise LA90 dB	-	24.0	27.2	30.6	32.4	32.7	32.7	32.7	32.7	32.7
	Exceedance Level	-	-19.0	-15.8	-12.4	-10.6	-10.3	-10.7	-13.3	-16.7	-20.7

Table A5.5 Site Specific Noise Limits Compliance Table at NSRs – Night-time

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
297 - NSR306	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	22.3	25.5	28.9	30.8	31.0	31.0	31.0	31.0	31.0
	Exceedance Level	-	-20.7	-17.5	-14.1	-12.2	-12.0	-14.3	-19.7	-25.8	-32.5
298 - NSR313	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	24.1	27.3	30.7	32.6	32.8	32.8	32.8	32.8	32.8
	Exceedance Level	-	-18.9	-15.7	-12.3	-10.4	-10.2	-12.5	-17.9	-24.0	-30.7
299 - NSR308	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	23.8	26.9	30.3	32.2	32.5	32.5	32.5	32.5	32.5
	Exceedance Level	-	-19.2	-16.1	-12.7	-10.8	-10.5	-12.8	-18.2	-24.3	-31.0
300 - NSR89	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Proposed Development Noise LA90 dB	-	27.3	30.4	33.8	35.7	36.0	36.0	36.0	36.0	36.0
	Exceedance Level	-	-15.7	-12.6	-9.2	-7.3	-7.0	-7.0	-8.5	-13.4	-18.3
301 - NSR310	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	23.2	26.4	29.8	31.7	32.0	32.0	32.0	32.0	32.0
	Exceedance Level	-	-19.8	-16.6	-13.2	-11.3	-11.0	-13.3	-18.7	-24.8	-31.5
302 - NSR314	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	23.8	26.9	30.4	32.2	32.5	32.5	32.5	32.5	32.5
	Exceedance Level	-	-19.2	-16.1	-12.6	-10.8	-10.5	-12.8	-18.2	-24.3	-31.0
303 - NSR140	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	27.2	30.3	33.8	35.6	35.9	35.9	35.9	35.9	35.9
	Exceedance Level	-	-15.8	-12.7	-9.2	-7.4	-7.1	-7.1	-8.0	-11.9	-16.4
304 - NSR173	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	26.9	30.1	33.5	35.4	35.6	35.6	35.6	35.6	35.6
	Exceedance Level	-	-16.1	-12.9	-9.5	-7.6	-7.4	-7.4	-8.3	-12.2	-16.7
305 - NSR181	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	25.8	28.9	32.3	34.2	34.5	34.5	34.5	34.5	34.5
	Exceedance Level	-	-17.2	-14.1	-10.7	-8.8	-8.5	-8.5	-9.4	-13.3	-17.8
306 - NSR244	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	23.8	27.0	30.4	32.3	32.6	32.6	32.6	32.6	32.6
	Exceedance Level	-	-19.2	-16.0	-12.6	-10.7	-10.4	-10.4	-11.3	-15.2	-19.7
307 - NSR279	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	22.4	25.5	29.0	30.8	31.1	31.1	31.1	31.1	31.1
	Exceedance Level	-	-20.6	-17.5	-14.0	-12.2	-11.9	-11.9	-11.9	-13.8	-18.1
308 - NSR65	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Proposed Development Noise LA90 dB	-	29.3	32.5	35.9	37.7	38.0	38.0	38.0	38.0	38.0
	Exceedance Level	-	-13.7	-10.5	-7.1	-5.3	-5.0	-5.0	-5.0	-8.7	-14.2
309 - NSR207	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Proposed Development Noise LA90 dB	-	23.2	26.4	29.8	31.7	31.9	31.9	31.9	31.9	31.9
	Exceedance Level	-	-19.8	-16.6	-13.2	-11.3	-11.1	-11.1	-11.1	-16.9	-23.3
310 - NSR82	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	28.9	32.1	35.5	37.4	37.6	37.6	37.6	37.6	37.6
	Exceedance Level	-	-14.1	-10.9	-7.5	-5.6	-5.4	-5.4	-5.4	-7.3	-11.6
311 - NSR48	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Proposed Development Noise LA90 dB	-	28.8	32.0	35.4	37.2	37.5	37.5	37.5	37.5	37.5
	Exceedance Level	-	-14.2	-11.0	-7.6	-5.8	-5.5	-5.5	-7.0	-11.9	-16.8
312 - NSR23	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Proposed Development Noise LA90 dB	-	31.3	34.5	37.9	39.8	40.0	40.0	40.0	40.0	40.0
	Exceedance Level	-	-11.7	-8.5	-5.1	-3.2	-3.0	-3.0	-3.0	-6.7	-12.2
313 - NSR114	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Proposed Development Noise LA90 dB	-	27.9	31.1	34.5	36.4	36.6	36.6	36.6	36.6	36.6
	Exceedance Level	-	-15.1	-11.9	-8.5	-6.6	-6.4	-6.4	-6.4	-10.1	-15.6
314 - NSR214	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Proposed Development Noise LA90 dB	-	26.0	29.2	32.6	34.4	34.7	34.7	34.7	34.7	34.7
	Exceedance Level	-	-17.0	-13.8	-10.4	-8.6	-8.3	-8.3	-8.3	-12.0	-17.5
315 - NSR294	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.4	46.0	49.4	53.4
	Proposed Development Noise LA90 dB	-	24.1	27.3	30.7	32.6	32.9	32.9	32.9	32.9	32.9
	Exceedance Level	-	-18.9	-15.7	-12.3	-10.4	-10.1	-10.5	-13.1	-16.5	-20.5
316 - NSR316	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	23.1	26.3	29.7	31.6	31.8	31.8	31.8	31.8	31.8
	Exceedance Level	-	-19.9	-16.7	-13.3	-11.4	-11.2	-13.5	-18.9	-25.0	-31.7
317 - NSR317	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	21.5	24.7	28.1	30.0	30.3	30.3	30.3	30.3	30.3
	Exceedance Level	-	-21.5	-18.3	-14.9	-13.0	-12.7	-12.7	-12.7	-14.6	-18.9
318 - NSR318	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	21.8	24.9	28.4	30.2	30.5	30.5	30.5	30.5	30.5
	Exceedance Level	-	-21.2	-18.1	-14.6	-12.8	-12.5	-12.5	-12.5	-14.4	-18.7
319 - NSR319	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	22.1	25.3	28.7	30.6	30.9	30.9	30.9	30.9	30.9
	Exceedance Level	-	-20.9	-17.7	-14.3	-12.4	-12.1	-12.1	-12.1	-14.0	-18.3
320 - NSR320	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Proposed Development Noise LA90 dB	-	22.4	25.5	28.9	30.8	31.1	31.1	31.1	31.1	31.1
	Exceedance Level	-	-20.6	-17.5	-14.1	-12.2	-11.9	-11.9	-13.4	-18.3	-23.2
321 - NSR321	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	22.9	26.1	29.5	31.4	31.7	31.7	31.7	31.7	31.7

Table A5.5 Site Specific Noise Limits Compliance Table at NSRs – Night-time

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
	Exceedance Level	-	-20.1	-16.9	-13.5	-11.6	-11.3	-11.3	-12.2	-16.1	-20.6
322 - NSR322	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	22.2	25.4	28.8	30.7	30.9	30.9	30.9	30.9	30.9
	Exceedance Level	-	-20.8	-17.6	-14.2	-12.3	-12.1	-12.1	-12.1	-14.0	-18.3
323 - NSR323	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	22.0	25.1	28.5	30.4	30.7	30.7	30.7	30.7	30.7
	Exceedance Level	-	-21.0	-17.9	-14.5	-12.6	-12.3	-12.3	-12.3	-14.2	-18.5
324 - NSR324	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	22.5	25.7	29.1	31.0	31.2	31.2	31.2	31.2	31.2
	Exceedance Level	-	-20.5	-17.3	-13.9	-12.0	-11.8	-11.8	-11.8	-13.7	-18.0
325 - NSR325	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	21.2	24.4	27.8	29.7	30.0	30.0	30.0	30.0	30.0
	Exceedance Level	-	-21.8	-18.6	-15.2	-13.3	-13.0	-13.0	-13.0	-14.9	-19.2
326 - NSR326	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	21.5	24.7	28.1	30.0	30.2	30.2	30.2	30.2	30.2
	Exceedance Level	-	-21.5	-18.3	-14.9	-13.0	-12.8	-12.8	-12.8	-14.7	-19.0
327 - NSR327	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Proposed Development Noise LA90 dB	-	21.1	24.2	27.6	29.5	29.8	29.8	29.8	29.8	29.8
	Exceedance Level	-	-21.9	-18.8	-15.4	-13.5	-13.2	-13.2	-13.2	-19.0	-25.4
328 - NSR328	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.4	46.0	49.4	53.4
	Proposed Development Noise LA90 dB	-	23.6	26.8	30.2	32.1	32.4	32.4	32.4	32.4	32.4
	Exceedance Level	-	-19.4	-16.2	-12.8	-10.9	-10.6	-11.0	-13.6	-17.0	-21.0
329 - NSR329	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	22.0	25.1	28.6	30.4	30.7	30.7	30.7	30.7	30.7
	Exceedance Level	-	-21.0	-17.9	-14.4	-12.6	-12.3	-12.3	-12.3	-14.2	-18.5
330 - NSR330	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	23.6	26.8	30.2	32.1	32.4	32.4	32.4	32.4	32.4
	Exceedance Level	-	-19.4	-16.2	-12.8	-10.9	-10.6	-10.6	-11.5	-15.4	-19.9
331 - NSR331	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	22.8	26.0	29.4	31.3	31.6	31.6	31.6	31.6	31.6
	Exceedance Level	-	-20.2	-17.0	-13.6	-11.7	-11.4	-11.4	-12.3	-16.2	-20.7
332 - NSR332	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Proposed Development Noise LA90 dB	-	21.9	25.1	28.5	30.4	30.6	30.6	30.6	30.6	30.6
	Exceedance Level	-	-21.1	-17.9	-14.5	-12.6	-12.4	-12.4	-13.9	-18.8	-23.7
333 - NSR333	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	23.2	26.4	29.8	31.7	32.0	32.0	32.0	32.0	32.0
	Exceedance Level	-	-19.8	-16.6	-13.2	-11.3	-11.0	-13.3	-18.7	-24.8	-31.5
334 - NSR334	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	21.1	24.3	27.7	29.6	29.9	29.9	29.9	29.9	29.9
	Exceedance Level	-	-21.9	-18.7	-15.3	-13.4	-13.1	-13.1	-13.1	-15.0	-19.3
335 - NSR335	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	22.2	25.4	28.8	30.6	30.9	30.9	30.9	30.9	30.9
	Exceedance Level	-	-20.8	-17.6	-14.2	-12.4	-12.1	-12.1	-12.1	-14.0	-18.3
336 - NSR336	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	22.8	26.0	29.4	31.3	31.5	31.5	31.5	31.5	31.5
	Exceedance Level	-	-20.2	-17.0	-13.6	-11.7	-11.5	-13.8	-19.2	-25.3	-32.0
337 - NSR337	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	22.8	25.9	29.3	31.2	31.5	31.5	31.5	31.5	31.5
	Exceedance Level	-	-20.2	-17.1	-13.7	-11.8	-11.5	-11.5	-12.4	-16.3	-20.8
338 - NSR338	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Proposed Development Noise LA90 dB	-	20.9	24.0	27.5	29.3	29.6	29.6	29.6	29.6	29.6
	Exceedance Level	-	-22.1	-19.0	-15.5	-13.7	-13.4	-13.4	-13.4	-19.2	-25.6
339 - NSR339	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	22.8	26.0	29.4	31.3	31.5	31.5	31.5	31.5	31.5
	Exceedance Level	-	-20.2	-17.0	-13.6	-11.7	-11.5	-13.8	-19.2	-25.3	-32.0
340 - NSR340	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	22.7	25.9	29.3	31.2	31.5	31.5	31.5	31.5	31.5
	Exceedance Level	-	-20.3	-17.1	-13.7	-11.8	-11.5	-13.8	-19.2	-25.3	-32.0
341 - NSR341	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	21.0	24.2	27.6	29.5	29.8	29.8	29.8	29.8	29.8
	Exceedance Level	-	-22.0	-18.8	-15.4	-13.5	-13.2	-13.2	-13.2	-15.1	-19.4
342 - NSR342	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	23.3	26.5	29.9	31.8	32.0	32.0	32.0	32.0	32.0
	Exceedance Level	-	-19.7	-16.5	-13.1	-11.2	-11.0	-13.3	-18.7	-24.8	-31.5
343 - NSR343	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	22.8	26.0	29.4	31.3	31.5	31.5	31.5	31.5	31.5
	Exceedance Level	-	-20.2	-17.0	-13.6	-11.7	-11.5	-13.8	-19.2	-25.3	-32.0
344 - NSR344	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	21.1	24.3	27.7	29.6	29.9	29.9	29.9	29.9	29.9
	Exceedance Level	-	-21.9	-18.7	-15.3	-13.4	-13.1	-13.1	-13.1	-15.0	-19.3
345 - NSR345	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	21.1	24.3	27.7	29.6	29.9	29.9	29.9	29.9	29.9
	Exceedance Level	-	-21.9	-18.7	-15.3	-13.4	-13.1	-13.1	-13.1	-15.0	-19.3
	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2

Table A5.5 Site Specific Noise Limits Compliance Table at NSRs – Night-time

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
346 - NSR346	Proposed Development Noise LA90 dB	-	21.0	24.2	27.6	29.5	29.8	29.8	29.8	29.8	29.8
	Exceedance Level	-	-22.0	-18.8	-15.4	-13.5	-13.2	-13.2	-13.2	-15.1	-19.4
347 - NSR347	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Proposed Development Noise LA90 dB	-	23.3	26.5	29.9	31.8	32.0	32.0	32.0	32.0	32.0
	Exceedance Level	-	-19.7	-16.5	-13.1	-11.2	-11.0	-11.0	-11.0	-14.7	-20.2
348 - NSR348	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	21.7	24.8	28.3	30.1	30.4	30.4	30.4	30.4	30.4
	Exceedance Level	-	-21.3	-18.2	-14.7	-12.9	-12.6	-12.6	-12.6	-14.5	-18.8
349 - NSR349	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	22.9	26.0	29.5	31.3	31.6	31.6	31.6	31.6	31.6
	Exceedance Level	-	-20.1	-17.0	-13.5	-11.7	-11.4	-13.7	-19.1	-25.2	-31.9
350 - NSR350	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	22.6	25.7	29.1	31.0	31.3	31.3	31.3	31.3	31.3
	Exceedance Level	-	-20.4	-17.3	-13.9	-12.0	-11.7	-14.0	-19.4	-25.5	-32.2
351 - NSR351	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Proposed Development Noise LA90 dB	-	23.4	26.5	29.9	31.8	32.1	32.1	32.1	32.1	32.1
	Exceedance Level	-	-19.6	-16.5	-13.1	-11.2	-10.9	-10.9	-10.9	-14.6	-20.1
352 - NSR352	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	21.6	24.8	28.2	30.1	30.3	30.3	30.3	30.3	30.3
	Exceedance Level	-	-21.4	-18.2	-14.8	-12.9	-12.7	-12.7	-12.7	-14.6	-18.9
353 - NSR353	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	23.5	26.7	30.1	32.0	32.3	32.3	32.3	32.3	32.3
	Exceedance Level	-	-19.5	-16.3	-12.9	-11.0	-10.7	-10.7	-11.6	-15.5	-20.0
354 - NSR354	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	22.8	26.0	29.4	31.3	31.5	31.5	31.5	31.5	31.5
	Exceedance Level	-	-20.2	-17.0	-13.6	-11.7	-11.5	-13.8	-19.2	-25.3	-32.0
355 - NSR355	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Proposed Development Noise LA90 dB	-	23.2	26.4	29.8	31.7	31.9	31.9	31.9	31.9	31.9
	Exceedance Level	-	-19.8	-16.6	-13.2	-11.3	-11.1	-11.1	-11.1	-14.8	-20.3
356 - NSR356	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.4	46.0	49.4	53.4
	Proposed Development Noise LA90 dB	-	22.9	26.1	29.5	31.4	31.7	31.7	31.7	31.7	31.7
	Exceedance Level	-	-20.1	-16.9	-13.5	-11.6	-11.3	-11.7	-14.3	-17.7	-21.7
357 - NSR357	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	22.8	26.0	29.4	31.2	31.5	31.5	31.5	31.5	31.5
	Exceedance Level	-	-20.2	-17.0	-13.6	-11.8	-11.5	-13.8	-19.2	-25.3	-32.0
358 - NSR358	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	20.9	24.1	27.5	29.4	29.7	29.7	29.7	29.7	29.7
	Exceedance Level	-	-22.1	-18.9	-15.5	-13.6	-13.3	-13.3	-13.3	-15.2	-19.5
359 - NSR359	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	22.7	25.8	29.2	31.1	31.4	31.4	31.4	31.4	31.4
	Exceedance Level	-	-20.3	-17.2	-13.8	-11.9	-11.6	-13.9	-19.3	-25.4	-32.1
360 - NSR360	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Proposed Development Noise LA90 dB	-	21.5	24.7	28.1	30.0	30.3	30.3	30.3	30.3	30.3
	Exceedance Level	-	-21.5	-18.3	-14.9	-13.0	-12.7	-12.7	-14.2	-19.1	-24.0
361 - NSR361	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	21.8	25.0	28.4	30.2	30.5	30.5	30.5	30.5	30.5
	Exceedance Level	-	-21.2	-18.0	-14.6	-12.8	-12.5	-14.8	-20.2	-26.3	-33.0
362 - NSR362	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	22.7	25.8	29.2	31.1	31.4	31.4	31.4	31.4	31.4
	Exceedance Level	-	-20.3	-17.2	-13.8	-11.9	-11.6	-13.9	-19.3	-25.4	-32.1
363 - NSR363	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	20.7	23.9	27.3	29.1	29.4	29.4	29.4	29.4	29.4
	Exceedance Level	-	-22.3	-19.1	-15.7	-13.9	-13.6	-13.6	-13.6	-15.5	-19.8
364 - NSR364	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	22.2	25.4	28.8	30.7	30.9	30.9	30.9	30.9	30.9
	Exceedance Level	-	-20.8	-17.6	-14.2	-12.3	-12.1	-14.4	-19.8	-25.9	-32.6
365 - NSR365	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	21.8	25.0	28.4	30.3	30.5	30.5	30.5	30.5	30.5
	Exceedance Level	-	-21.2	-18.0	-14.6	-12.7	-12.5	-14.8	-20.2	-26.3	-33.0
366 - NSR366	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	21.9	25.0	28.5	30.3	30.6	30.6	30.6	30.6	30.6
	Exceedance Level	-	-21.1	-18.0	-14.5	-12.7	-12.4	-14.7	-20.1	-26.2	-32.9
367 - NSR367	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Proposed Development Noise LA90 dB	-	21.8	24.9	28.3	30.2	30.5	30.5	30.5	30.5	30.5
	Exceedance Level	-	-21.2	-18.1	-14.7	-12.8	-12.5	-12.5	-14.0	-18.9	-23.8
368 - NSR368	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	21.9	25.0	28.4	30.3	30.6	30.6	30.6	30.6	30.6
	Exceedance Level	-	-21.1	-18.0	-14.6	-12.7	-12.4	-14.7	-20.1	-26.2	-32.9
369 - NSR369	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	20.6	23.7	27.1	29.0	29.3	29.3	29.3	29.3	29.3
	Exceedance Level	-	-22.4	-19.3	-15.9	-14.0	-13.7	-13.7	-13.7	-15.6	-19.9
370 - NSR370	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	21.9	25.1	28.5	30.4	30.7	30.7	30.7	30.7	30.7
	Exceedance Level	-	-21.1	-17.9	-14.5	-12.6	-12.3	-14.6	-20.0	-26.1	-32.8

Table A5.5 Site Specific Noise Limits Compliance Table at NSRs – Night-time

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
371 - NSR371	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	22.6	25.8	29.2	31.1	31.3	31.3	31.3	31.3	31.3
	Exceedance Level	-	-20.4	-17.2	-13.8	-11.9	-11.7	-14.0	-19.4	-25.5	-32.2
372 - NSR372	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	22.1	25.2	28.7	30.5	30.8	30.8	30.8	30.8	30.8
	Exceedance Level	-	-20.9	-17.8	-14.3	-12.5	-12.2	-14.5	-19.9	-26.0	-32.7
373 - NSR373	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	21.9	25.1	28.5	30.4	30.7	30.7	30.7	30.7	30.7
	Exceedance Level	-	-21.1	-17.9	-14.5	-12.6	-12.3	-14.6	-20.0	-26.1	-32.8
374 - NSR374	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Proposed Development Noise LA90 dB	-	20.4	23.6	27.0	28.8	29.1	29.1	29.1	29.1	29.1
	Exceedance Level	-	-22.6	-19.4	-16.0	-14.2	-13.9	-13.9	-13.9	-19.7	-26.1
375 - NSR375	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	22.0	25.1	28.5	30.4	30.7	30.7	30.7	30.7	30.7
	Exceedance Level	-	-21.0	-17.9	-14.5	-12.6	-12.3	-14.6	-20.0	-26.1	-32.8
376 - NSR376	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	21.2	24.4	27.8	29.7	29.9	29.9	29.9	29.9	29.9
	Exceedance Level	-	-21.8	-18.6	-15.2	-13.3	-13.1	-15.4	-20.8	-26.9	-33.6
377 - NSR377	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	21.3	24.5	27.9	29.8	30.0	30.0	30.0	30.0	30.0
	Exceedance Level	-	-21.7	-18.5	-15.1	-13.2	-13.0	-15.3	-20.7	-26.8	-33.5
378 - NSR378	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	21.3	24.4	27.9	29.7	30.0	30.0	30.0	30.0	30.0
	Exceedance Level	-	-21.7	-18.6	-15.1	-13.3	-13.0	-15.3	-20.7	-26.8	-33.5
379 - NSR379	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	21.4	24.5	27.9	29.8	30.1	30.1	30.1	30.1	30.1
	Exceedance Level	-	-21.6	-18.5	-15.1	-13.2	-12.9	-15.2	-20.6	-26.7	-33.4
380 - NSR380	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	21.2	24.4	27.8	29.7	30.0	30.0	30.0	30.0	30.0
	Exceedance Level	-	-21.8	-18.6	-15.2	-13.3	-13.0	-13.0	-13.0	-14.9	-19.2
381 - NSR381	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	21.6	24.8	28.2	30.1	30.3	30.3	30.3	30.3	30.3
	Exceedance Level	-	-21.4	-18.2	-14.8	-12.9	-12.7	-15.0	-20.4	-26.5	-33.2
382 - NSR382	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Proposed Development Noise LA90 dB	-	21.5	24.7	28.1	30.0	30.2	30.2	30.2	30.2	30.2
	Exceedance Level	-	-21.5	-18.3	-14.9	-13.0	-12.8	-12.8	-14.3	-19.2	-24.1
383 - NSR383	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Proposed Development Noise LA90 dB	-	21.3	24.4	27.8	29.7	30.0	30.0	30.0	30.0	30.0
	Exceedance Level	-	-21.7	-18.6	-15.2	-13.3	-13.0	-13.0	-14.5	-19.4	-24.3
384 - NSR384	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	21.9	25.1	28.5	30.4	30.7	30.7	30.7	30.7	30.7
	Exceedance Level	-	-21.1	-17.9	-14.5	-12.6	-12.3	-14.6	-20.0	-26.1	-32.8
385 - NSR385	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	20.9	24.1	27.5	29.4	29.7	29.7	29.7	29.7	29.7
	Exceedance Level	-	-22.1	-18.9	-15.5	-13.6	-13.3	-15.6	-21.0	-27.1	-33.8
386 - NSR386	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	20.9	24.1	27.5	29.3	29.6	29.6	29.6	29.6	29.6
	Exceedance Level	-	-22.1	-18.9	-15.5	-13.7	-13.4	-15.7	-21.1	-27.2	-33.9
387 - NSR387	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	21.6	24.8	28.2	30.1	30.4	30.4	30.4	30.4	30.4
	Exceedance Level	-	-21.4	-18.2	-14.8	-12.9	-12.6	-14.9	-20.3	-26.4	-33.1
388 - NSR388	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Proposed Development Noise LA90 dB	-	22.6	25.8	29.2	31.1	31.4	31.4	31.4	31.4	31.4
	Exceedance Level	-	-20.4	-17.2	-13.8	-11.9	-11.6	-11.6	-11.6	-15.3	-20.8
389 - NSR389	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	22.5	25.7	29.1	31.0	31.3	31.3	31.3	31.3	31.3
	Exceedance Level	-	-20.5	-17.3	-13.9	-12.0	-11.7	-14.0	-19.4	-25.5	-32.2
390 - NSR390	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	20.4	23.6	27.0	28.8	29.1	29.1	29.1	29.1	29.1
	Exceedance Level	-	-22.6	-19.4	-16.0	-14.2	-13.9	-13.9	-13.9	-15.8	-20.1
391 - NSR391	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	21.0	24.2	27.6	29.4	29.7	29.7	29.7	29.7	29.7
	Exceedance Level	-	-22.0	-18.8	-15.4	-13.6	-13.3	-15.6	-21.0	-27.1	-33.8
392 - NSR392	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	21.0	24.2	27.6	29.5	29.7	29.7	29.7	29.7	29.7
	Exceedance Level	-	-22.0	-18.8	-15.4	-13.5	-13.3	-15.6	-21.0	-27.1	-33.8
393 - NSR393	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	21.0	24.1	27.5	29.4	29.7	29.7	29.7	29.7	29.7
	Exceedance Level	-	-22.0	-18.9	-15.5	-13.6	-13.3	-15.6	-21.0	-27.1	-33.8
394 - NSR394	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	20.9	24.1	27.5	29.4	29.6	29.6	29.6	29.6	29.6
	Exceedance Level	-	-22.1	-18.9	-15.5	-13.6	-13.4	-15.7	-21.1	-27.2	-33.9
395 - NSR395	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	45.3	50.7	56.8	63.5
	Proposed Development Noise LA90 dB	-	20.9	24.1	27.5	29.3	29.6	29.6	29.6	29.6	29.6

Table A5.5 Site Specific Noise Limits Compliance Table at NSRs – Night-time

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
	Exceedance Level	-	-22.1	-18.9	-15.5	-13.7	-13.4	-15.7	-21.1	-27.2	-33.9
396 - NSR396	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	20.2	23.4	26.8	28.7	28.9	28.9	28.9	28.9	28.9
	Exceedance Level	-	-22.8	-19.6	-16.2	-14.3	-14.1	-14.1	-14.1	-16.0	-20.3
397 - NSR397	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Proposed Development Noise LA90 dB	-	21.1	24.3	27.7	29.6	29.9	29.9	29.9	29.9	29.9
	Exceedance Level	-	-21.9	-18.7	-15.3	-13.4	-13.1	-13.1	-14.6	-19.5	-24.4
398 - NSR398	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	20.2	23.4	26.8	28.7	28.9	28.9	28.9	28.9	28.9
	Exceedance Level	-	-22.8	-19.6	-16.2	-14.3	-14.1	-14.1	-14.1	-16.0	-20.3
399 - NSR399	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	21.1	24.3	27.7	29.6	29.8	29.8	29.8	29.8	29.8
	Exceedance Level	-	-21.9	-18.7	-15.3	-13.4	-13.2	-13.2	-13.2	-15.1	-19.4
400 - NSR400	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Proposed Development Noise LA90 dB	-	22.4	25.5	29.0	30.8	31.1	31.1	31.1	31.1	31.1
	Exceedance Level	-	-20.6	-17.5	-14.0	-12.2	-11.9	-11.9	-11.9	-15.6	-21.1
401 - NSR401	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Proposed Development Noise LA90 dB	-	22.3	25.5	28.9	30.8	31.0	31.0	31.0	31.0	31.0
	Exceedance Level	-	-20.7	-17.5	-14.1	-12.2	-12.0	-12.0	-12.0	-15.7	-21.2
402 - NSR402	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Proposed Development Noise LA90 dB	-	20.0	23.2	26.6	28.4	28.7	28.7	28.7	28.7	28.7
	Exceedance Level	-	-23.0	-19.8	-16.4	-14.6	-14.3	-14.3	-14.3	-20.1	-26.5
403 - NSR403	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Proposed Development Noise LA90 dB	-	22.4	25.6	29.0	30.9	31.2	31.2	31.2	31.2	31.2
	Exceedance Level	-	-20.6	-17.4	-14.0	-12.1	-11.8	-11.8	-11.8	-15.5	-21.0
404 - NSR404	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Proposed Development Noise LA90 dB	-	21.2	24.4	27.8	29.7	30.0	30.0	30.0	30.0	30.0
	Exceedance Level	-	-21.8	-18.6	-15.2	-13.3	-13.0	-13.0	-14.5	-19.4	-24.3
405 - NSR405	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Proposed Development Noise LA90 dB	-	21.0	24.2	27.6	29.5	29.8	29.8	29.8	29.8	29.8
	Exceedance Level	-	-22.0	-18.8	-15.4	-13.5	-13.2	-13.2	-14.7	-19.6	-24.5
406 - NSR406	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Proposed Development Noise LA90 dB	-	22.2	25.4	28.8	30.7	31.0	31.0	31.0	31.0	31.0
	Exceedance Level	-	-20.8	-17.6	-14.2	-12.3	-12.0	-12.0	-12.0	-15.7	-21.2
407 - NSR407	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	20.0	23.2	26.6	28.5	28.7	28.7	28.7	28.7	28.7
	Exceedance Level	-	-23.0	-19.8	-16.4	-14.5	-14.3	-14.3	-14.3	-16.2	-20.5
408 - NSR408	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Proposed Development Noise LA90 dB	-	22.2	25.4	28.8	30.7	31.0	31.0	31.0	31.0	31.0
	Exceedance Level	-	-20.8	-17.6	-14.2	-12.3	-12.0	-12.0	-12.0	-15.7	-21.2
409 - NSR409	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Proposed Development Noise LA90 dB	-	21.0	24.1	27.6	29.4	29.7	29.7	29.7	29.7	29.7
	Exceedance Level	-	-22.0	-18.9	-15.4	-13.6	-13.3	-13.3	-14.8	-19.7	-24.6
410 - NSR410	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	20.0	23.2	26.6	28.4	28.7	28.7	28.7	28.7	28.7
	Exceedance Level	-	-23.0	-19.8	-16.4	-14.6	-14.3	-14.3	-14.3	-16.2	-20.5
411 - NSR411	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Proposed Development Noise LA90 dB	-	21.0	24.2	27.6	29.5	29.7	29.7	29.7	29.7	29.7
	Exceedance Level	-	-22.0	-18.8	-15.4	-13.5	-13.3	-13.3	-14.8	-19.7	-24.6
412 - NSR412	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Proposed Development Noise LA90 dB	-	19.8	23.0	26.4	28.3	28.6	28.6	28.6	28.6	28.6
	Exceedance Level	-	-23.2	-20.0	-16.6	-14.7	-14.4	-14.4	-14.4	-20.2	-26.6
413 - NSR413	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	20.0	23.2	26.6	28.4	28.7	28.7	28.7	28.7	28.7
	Exceedance Level	-	-23.0	-19.8	-16.4	-14.6	-14.3	-14.3	-14.3	-16.2	-20.5
414 - NSR414	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Proposed Development Noise LA90 dB	-	21.1	24.3	27.7	29.6	29.8	29.8	29.8	29.8	29.8
	Exceedance Level	-	-21.9	-18.7	-15.3	-13.4	-13.2	-13.2	-14.7	-19.6	-24.5
415 - NSR415	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	21.7	24.8	28.2	30.1	30.4	30.4	30.4	30.4	30.4
	Exceedance Level	-	-21.3	-18.2	-14.8	-12.9	-12.6	-12.6	-13.5	-17.4	-21.9
416 - NSR416	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	19.9	23.1	26.5	28.4	28.7	28.7	28.7	28.7	28.7
	Exceedance Level	-	-23.1	-19.9	-16.5	-14.6	-14.3	-14.3	-14.3	-16.2	-20.5
417 - NSR417	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Proposed Development Noise LA90 dB	-	19.8	22.9	26.3	28.2	28.5	28.5	28.5	28.5	28.5
	Exceedance Level	-	-23.2	-20.1	-16.7	-14.8	-14.5	-14.5	-14.5	-20.3	-26.7
418 - NSR418	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Proposed Development Noise LA90 dB	-	19.9	23.1	26.5	28.4	28.7	28.7	28.7	28.7	28.7
	Exceedance Level	-	-23.1	-19.9	-16.5	-14.6	-14.3	-14.3	-14.3	-20.1	-26.5
419 - NSR419	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Proposed Development Noise LA90 dB	-	19.7	22.9	26.3	28.2	28.5	28.5	28.5	28.5	28.5
	Exceedance Level	-	-23.3	-20.1	-16.7	-14.8	-14.5	-14.5	-14.5	-20.3	-26.7
	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2

Table A5.5 Site Specific Noise Limits Compliance Table at NSRs – Night-time

Location		Wind Speed (ms^{-1}) as standardised to 10 m height									
		3	4	5	6	7	8	9	10	11	12
420 - NSR420	Proposed Development Noise LA90 dB	-	22.4	25.6	29.0	30.9	31.2	31.2	31.2	31.2	31.2
	Exceedance Level	-	-20.6	-17.4	-14.0	-12.1	-11.8	-11.8	-11.8	-15.5	-21.0
421 - NSR421	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	19.8	23.0	26.4	28.3	28.6	28.6	28.6	28.6	28.6
	Exceedance Level	-	-23.2	-20.0	-16.6	-14.7	-14.4	-14.4	-14.4	-16.3	-20.6
422 - NSR422	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Proposed Development Noise LA90 dB	-	20.8	24.0	27.4	29.3	29.5	29.5	29.5	29.5	29.5
	Exceedance Level	-	-22.2	-19.0	-15.6	-13.7	-13.5	-13.5	-15.0	-19.9	-24.8
423 - NSR423	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	19.8	23.0	26.4	28.2	28.5	28.5	28.5	28.5	28.5
	Exceedance Level	-	-23.2	-20.0	-16.6	-14.8	-14.5	-14.5	-14.5	-16.4	-20.7
424 - NSR424	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Proposed Development Noise LA90 dB	-	22.3	25.5	28.9	30.8	31.0	31.0	31.0	31.0	31.0
	Exceedance Level	-	-20.7	-17.5	-14.1	-12.2	-12.0	-12.0	-12.0	-15.7	-21.2
425 - NSR425	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Proposed Development Noise LA90 dB	-	19.7	22.9	26.3	28.2	28.5	28.5	28.5	28.5	28.5
	Exceedance Level	-	-23.3	-20.1	-16.7	-14.8	-14.5	-14.5	-14.5	-20.3	-26.7
426 - NSR426	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Proposed Development Noise LA90 dB	-	20.7	23.9	27.3	29.2	29.5	29.5	29.5	29.5	29.5
	Exceedance Level	-	-22.3	-19.1	-15.7	-13.8	-13.5	-13.5	-15.0	-19.9	-24.8
427 - NSR427	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	20.0	23.1	26.6	28.4	28.7	28.7	28.7	28.7	28.7
	Exceedance Level	-	-23.0	-19.9	-16.4	-14.6	-14.3	-14.3	-14.3	-16.2	-20.5
428 - NSR428	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	21.5	24.7	28.1	29.9	30.2	30.2	30.2	30.2	30.2
	Exceedance Level	-	-21.5	-18.3	-14.9	-13.1	-12.8	-12.8	-13.7	-17.6	-22.1
429 - NSR429	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	19.7	22.9	26.3	28.2	28.4	28.4	28.4	28.4	28.4
	Exceedance Level	-	-23.3	-20.1	-16.7	-14.8	-14.6	-14.6	-14.6	-16.5	-20.8
430 - NSR430	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.5	49.4	54.3
	Proposed Development Noise LA90 dB	-	20.8	24.0	27.4	29.3	29.6	29.6	29.6	29.6	29.6
	Exceedance Level	-	-22.2	-19.0	-15.6	-13.7	-13.4	-13.4	-14.9	-19.8	-24.7
431 - NSR431	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Proposed Development Noise LA90 dB	-	21.8	25.0	28.4	30.2	30.5	30.5	30.5	30.5	30.5
	Exceedance Level	-	-21.2	-18.0	-14.6	-12.8	-12.5	-12.5	-12.5	-16.2	-21.7
432 - NSR432	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	48.8	55.2
	Proposed Development Noise LA90 dB	-	19.5	22.7	26.1	28.0	28.3	28.3	28.3	28.3	28.3
	Exceedance Level	-	-23.5	-20.3	-16.9	-15.0	-14.7	-14.7	-14.7	-20.5	-26.9
433 - NSR433	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	19.7	22.9	26.3	28.2	28.5	28.5	28.5	28.5	28.5
	Exceedance Level	-	-23.3	-20.1	-16.7	-14.8	-14.5	-14.5	-14.5	-16.4	-20.7
434 - NSR434	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	21.4	24.6	28.0	29.8	30.1	30.1	30.1	30.1	30.1
	Exceedance Level	-	-21.6	-18.4	-15.0	-13.2	-12.9	-12.9	-13.8	-17.7	-22.2
435 - NSR435	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	22.1	25.2	28.6	30.5	30.8	30.8	30.8	30.8	30.8
	Exceedance Level	-	-20.9	-17.8	-14.4	-12.5	-12.2	-12.2	-13.1	-17.0	-21.5
436 - NSR436	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Proposed Development Noise LA90 dB	-	21.6	24.8	28.2	30.1	30.4	30.4	30.4	30.4	30.4
	Exceedance Level	-	-21.4	-18.2	-14.8	-12.9	-12.6	-12.6	-12.6	-16.3	-21.8
437 - NSR437	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	47.8	52.3
	Proposed Development Noise LA90 dB	-	22.0	25.2	28.6	30.5	30.8	30.8	30.8	30.8	30.8
	Exceedance Level	-	-21.0	-17.8	-14.4	-12.5	-12.2	-12.2	-13.1	-17.0	-21.5
438 - NSR438	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	46.7	52.2
	Proposed Development Noise LA90 dB	-	21.4	24.5	27.9	29.8	30.1	30.1	30.1	30.1	30.1
	Exceedance Level	-	-21.6	-18.5	-15.1	-13.2	-12.9	-12.9	-12.9	-16.6	-22.1
439 - NSR439	Site Specific Noise Limit L_{A90} dB	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.9	49.2
	Proposed Development Noise LA90 dB	-	19.8	22.9	26.3	28.2	28.5	28.5	28.5	28.5	28.5
	Exceedance Level	-	-23.2	-20.1	-16.7	-14.8	-14.5	-14.5	-14.5	-16.4	-20.7

Annex 6 – Turbine Coordinates

SRC_ID	Wind Farm	X	Y	Hub Height (m)	Tip Height (m)
1	Cooloo Wind Farm	555297	747613	99.0	180.0
2	Cooloo Wind Farm	555608	748030	99.0	180.0
3	Cooloo Wind Farm	555563	748640	99.0	180.0
4	Cooloo Wind Farm	556167	748591	99.0	180.0
5	Cooloo Wind Farm	556198	749183	99.0	180.0
6	Cooloo Wind Farm	555648	749699	99.0	180.0
7	Cooloo Wind Farm	555568	750508	99.0	180.0
8	Cooloo Wind Farm	556986	749348	99.0	180.0
9	Cooloo Wind Farm	556813	749855	99.0	180.0
10	Cloonlusk Wind Farm	547243	746457	76.0	117.0
11	Cloonlusk Wind Farm	547571	746325	76.0	117.0
12	Clonberne Wind Farm	554967	757585	99.0	180.0
13	Clonberne Wind Farm	555668	757319	99.0	180.0
14	Clonberne Wind Farm	554635	757213	99.0	180.0
15	Clonberne Wind Farm	555160	757117	99.0	180.0
16	Clonberne Wind Farm	555568	756775	99.0	180.0
17	Clonberne Wind Farm	554481	756822	99.0	180.0
18	Clonberne Wind Farm	553833	756697	99.0	180.0
19	Clonberne Wind Farm	553990	756165	99.0	180.0
20	Clonberne Wind Farm	554333	755811	99.0	180.0
21	Clonberne Wind Farm	554971	755827	99.0	180.0
22	Clonberne Wind Farm	554831	756309	99.0	180.0

Annex 7 – Summary of Wind Turbine Noise Source Data

Wind Turbine Noise Data assumptions

Table A7.1: Sound Power Level Data

Wind Farm	Turbine	Hub height	Added Uncertainty	Reference Wind Speed (ms^{-1}) Standardised to 10m Height									
				3	4	5	6	7	8	9	10	11	12
Cooloo	Vestas V162 7.2 MW with Serrated Blades	99	2	Restricted / NDA - data available on request									
Cooloo	Vestas V150 6.0 MW with Serrated Blades	105	2	Restricted / NDA - data available on request									
Cooloo	Siemens Gamesa SG 6.6-155 6.6 MW	102.5	2	Restricted / NDA - data available on request									
Cooloo	General Electric GE158 5.3MW	101	2	-	93.8	94.5	97.6	101	103.9	106	106	106	106
Cloonlusk	Enercon E82 E2 2.3 MW	76	2	-	89.3	96.3	100.7	103.3	104	104	104	104	104
Clonberne	Vestas V162 7.2 MW with Serrated Blade	99	2	Restricted / NDA - data available on request									

Table A7.2: Octave Band Data

Wind Farm	Turbine	Reference Wind Speed (m/s)	Octave Band (Hz)								
			63	125	250	500	1000	2000	4000	8000	Overall
Cooloo	Vestas V162 7.2 MW with Serrated Blades	Restricted / NDA - data available on request									
Cooloo	Vestas V150 6.0 MW with Serrated Blades	Restricted / NDA - data available on request									
Cooloo	Siemens Gamesa SG 6.6-155 6.6 MW	Restricted / NDA - data available on request									
Cooloo	General Electric GE158 5.3MW	7	89.2	94.6	99.2	101.6	103.3	101.1	93.7	78	108.0
Cloonlusk	Enercon E82 E2 2.3 MW	10	90.1	97.7	96.9	99.5	101.4	97.1	85.6	78.3	106.0
Clonberne	Vestas V162 7.2 MW with Serrated Blade	Restricted / NDA - data available on request									