



# Appendix 9.10

## Operational Noise Assessment

## Table of contents

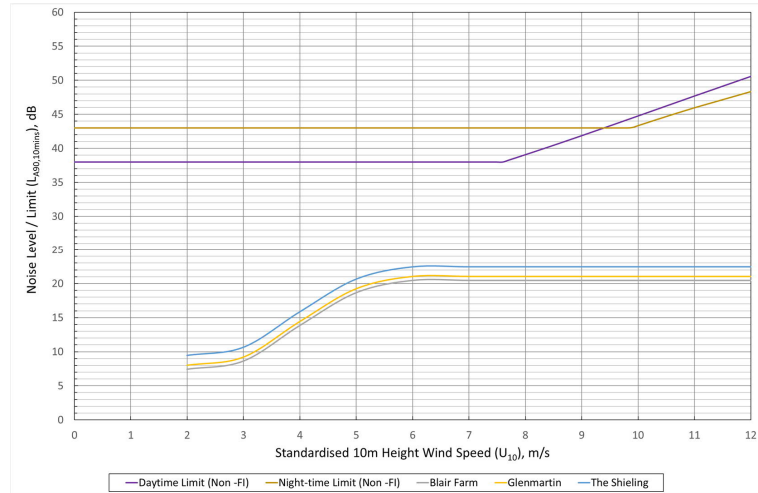
<b>9.1</b>	<b>Without Mitigation – Scenario 1: Proposed Development Only</b>	<b>3</b>
9.1.1	Limits: Blair Farm	3
9.1.2	Limits: Glenalla	3
9.1.3	Limits: Genoch Cottage	3
9.1.4	Limits: Tairlaw Toll	3
9.1.5	Limits: White Row	4
9.1.6	Limits: Doughty Farm	4
<b>9.2</b>	<b>Without Mitigation – Scenario 2: Three Proposed Developments (Carrick, Craiginmoddie and Knockcronal)</b>	<b>4</b>
9.2.1	Limits: Blair Farm	4
9.2.2	Limits: Glenalla	5
9.2.3	Limits: Genoch Cottage	5
9.2.4	Limits: Tairlaw Toll	5
9.2.5	Limits: White Row	5
9.2.6	Limits: Doughty Farm	6
<b>9.3</b>	<b>With Mitigation</b>	<b>6</b>
9.3.1	Limits: Glenalla	6



# 9.1 Without Mitigation – Scenario 1: Proposed Development Only

## 9.1.1 Limits: Blair Farm

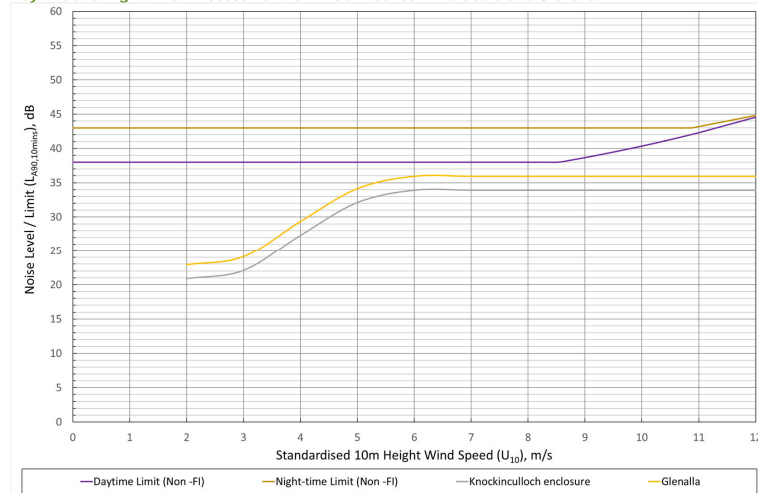
Daytime and Night-time – Assessment for Blair Farm, Glenmartin and The Shieling



Graph 9.10.1 Blair Farm, Glenmartin & The Shieling – Operational Wind Turbine Noise Levels Versus Derived Limits, dB(A)

## 9.1.2 Limits: Glenalla

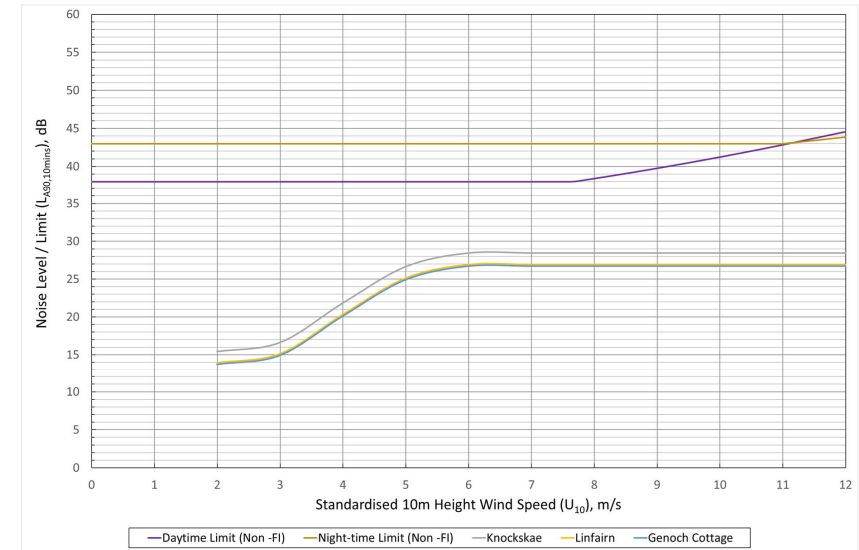
Daytime and Night-time – Assessment for Knockinculloch Enclosure and Glenalla



Graph 9.10.2 Knockinculloch Enclosure and Glenalla - Operational Wind Turbine Noise Levels Versus Derived Limits, dB(A)

## 9.1.3 Limits: Genoch Cottage

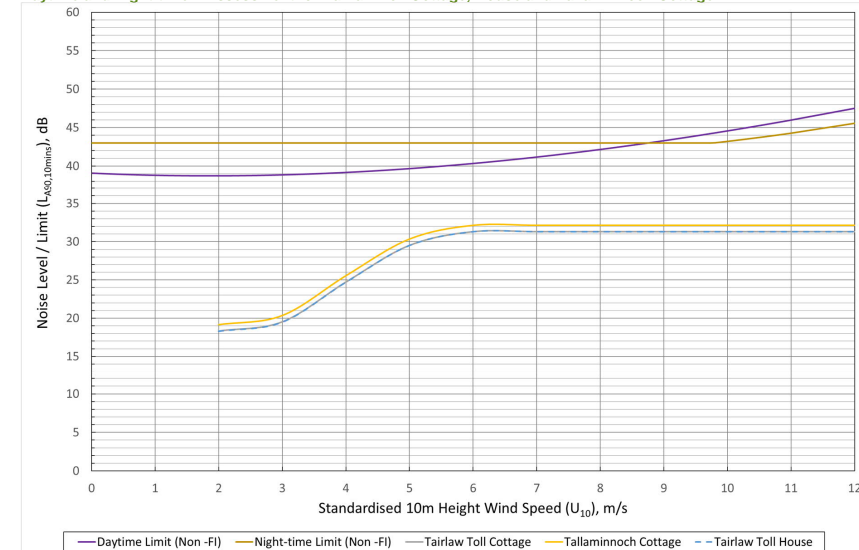
Daytime and Night-time – Assessment for Knockskae, Linfairn and Genoch Cottage



Graph 9.10.3 Knockskae, Linfairn and Genoch Cottage – Operational Wind Turbine Noise Levels Versus Derived Limits, dB(A)

## 9.1.4 Limits: Tairlaw Toll

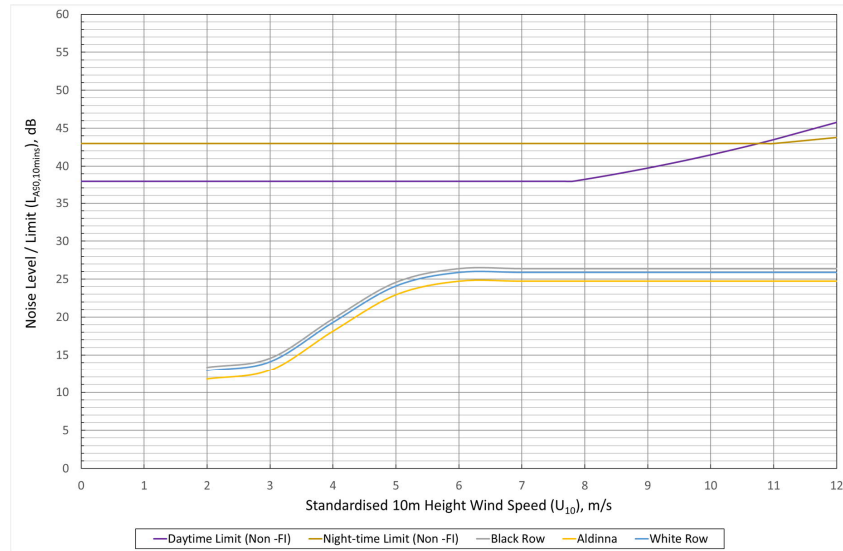
Daytime and Night-time – Assessment for Tairlaw Toll Cottage, House and Tallaminnoch Cottage



Graph 9.10.4 Tairlaw Toll Cottage, House and Tallaminnoch Cottage – Operational Wind Turbine Noise Levels Versus Derived Limits, dB(A)

### 9.1.5 Limits: White Row

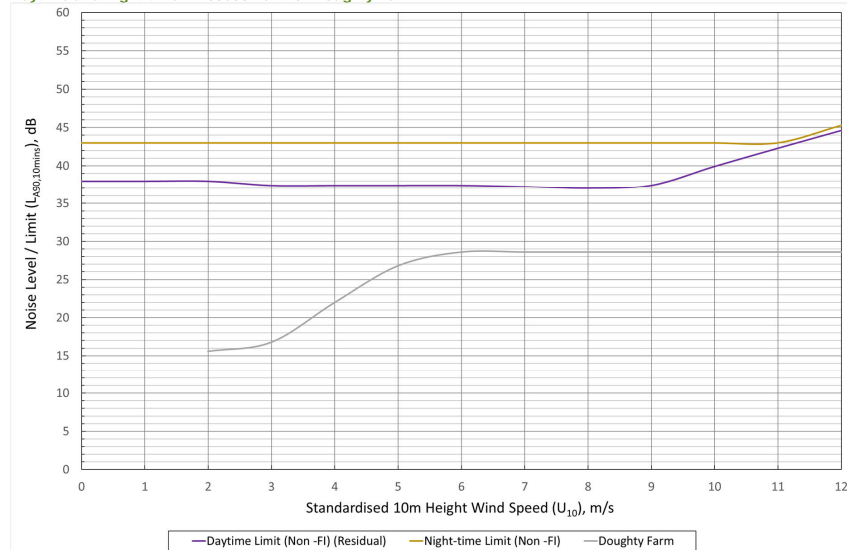
Daytime and Night-time – Assessment for Black Row, Aldinna and White Row



Graph 9.10.5 Black Row, Aldinna & White Row – Operational Wind Turbine Noise Levels Versus Derived Limits, dB(A)

### 9.1.6 Limits: Doughty Farm

Daytime and Night-time – Assessment for Doughty Farm

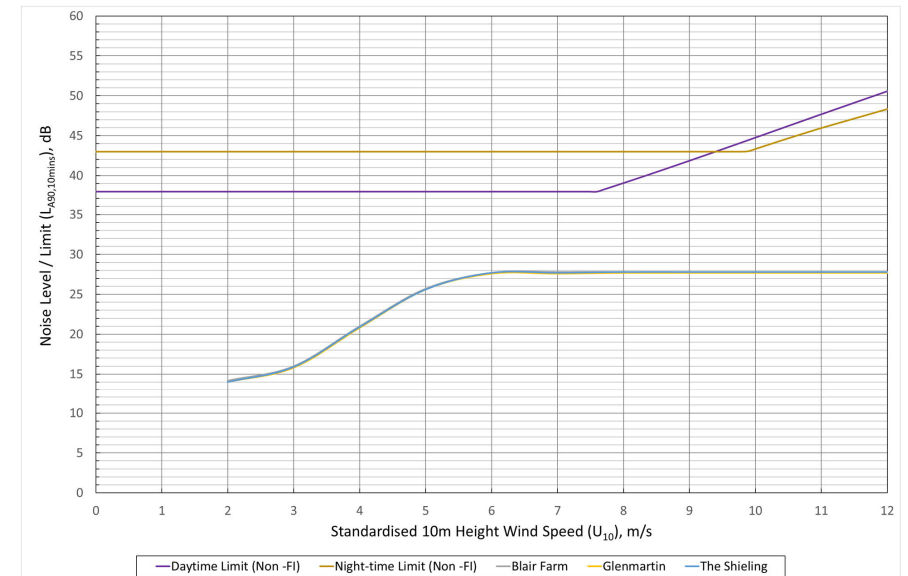


Graph 9.10.6 Doughty Farm – Operational Wind Turbine Noise Levels Versus Derived Limits, dB(A)

## 9.2 Without Mitigation – Scenario 2: Three Proposed Developments (Carrick, Craiginmoddie and Knockcronal Windfarms)

### 9.2.1 Limits: Blair Farm

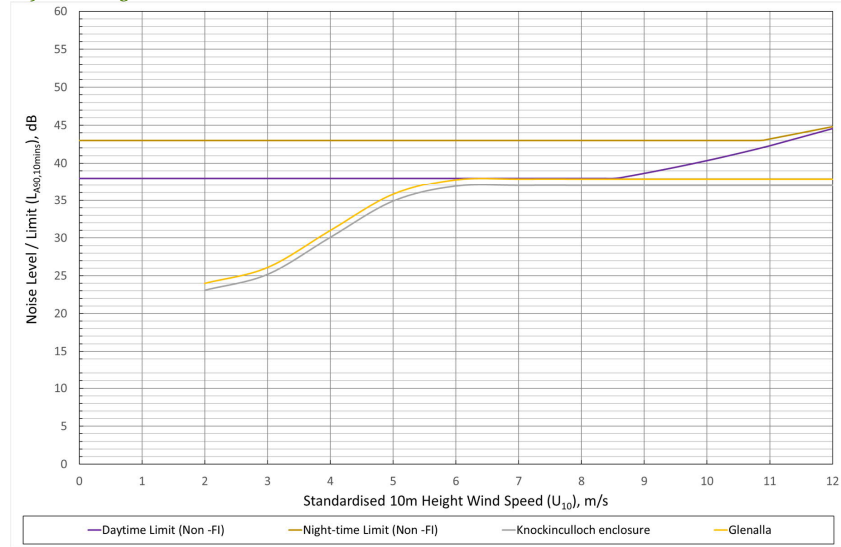
Daytime and Night-time – Assessment for Blair Farm, Glenmartin and The Shieling



Graph 9.10.7 Blair Farm, Glenmartin and The Shieling – Operational Wind Turbine Noise Levels Versus Derived Limits, dB(A)

### 9.2.2 Limits: Glenalla

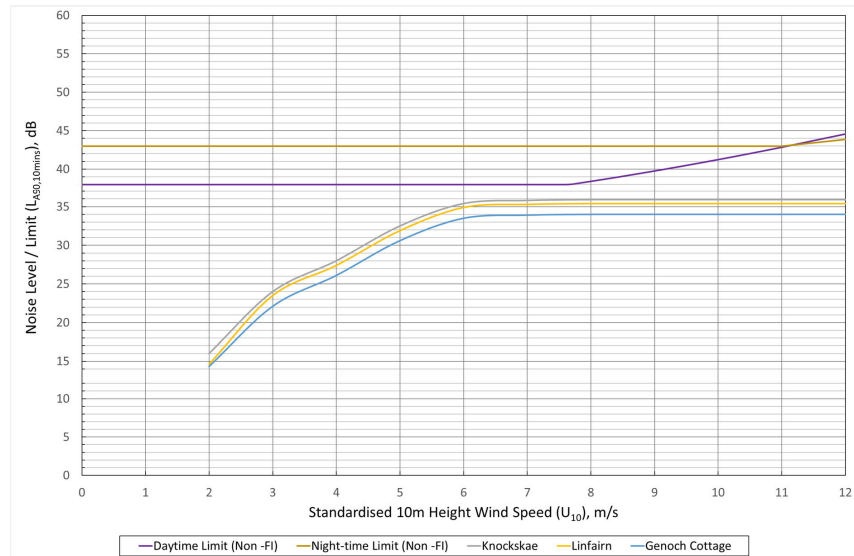
Daytime and Night-time – Assessment for Knockinculloch Enclosure and Glenalla



Graph 9.10.8 Knockinculloch Enclosure & Glenalla - Operational Wind Turbine Noise Levels Versus Derived Limits, dB(A)

### 9.2.3 Limits: Genoch Cottage

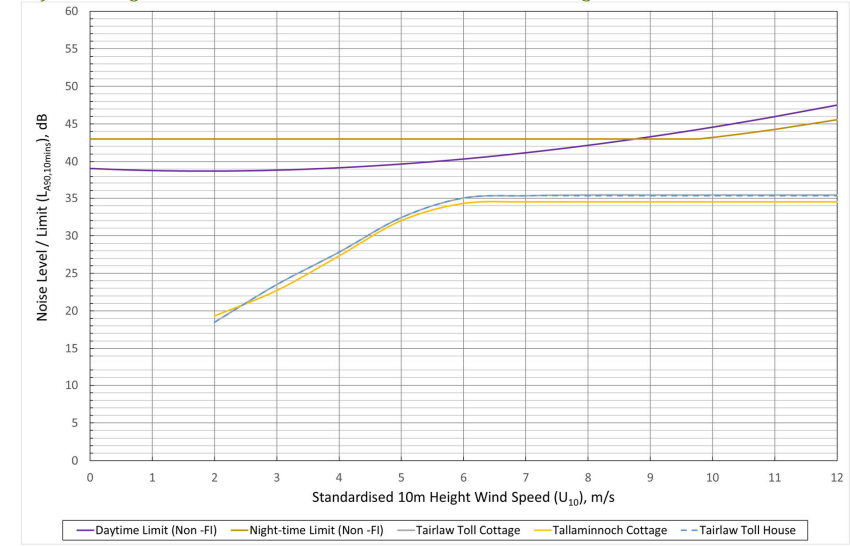
Daytime and Night-time – Assessment for Knockskae, Linfairn and Genoch Cottage



Graph 9.10.9 Knockskae, Linfairn and Genoch Cottage – Operational Wind Turbine Noise Levels Versus Derived Limits, dB(A)

### 9.2.4 Limits: Tairlaw Toll

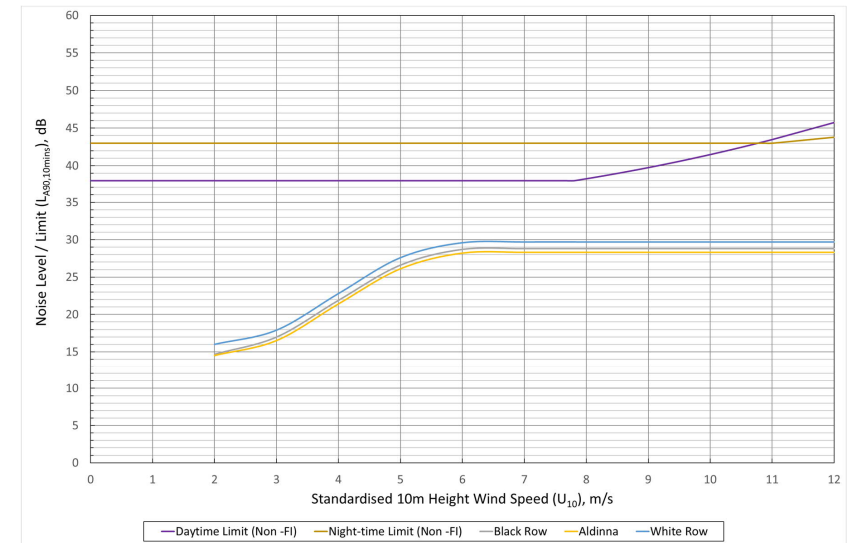
Daytime and Night-time – Assessment for Tairlaw Toll and Tallaminnoch Cottage



Graph 9.10.10 Tairlaw Toll House, Cottage and Tallaminnoch Cottage – Operational Wind Turbine Noise Levels Versus Derived Limits, dB(A)

### 9.2.5 Limits: White Row

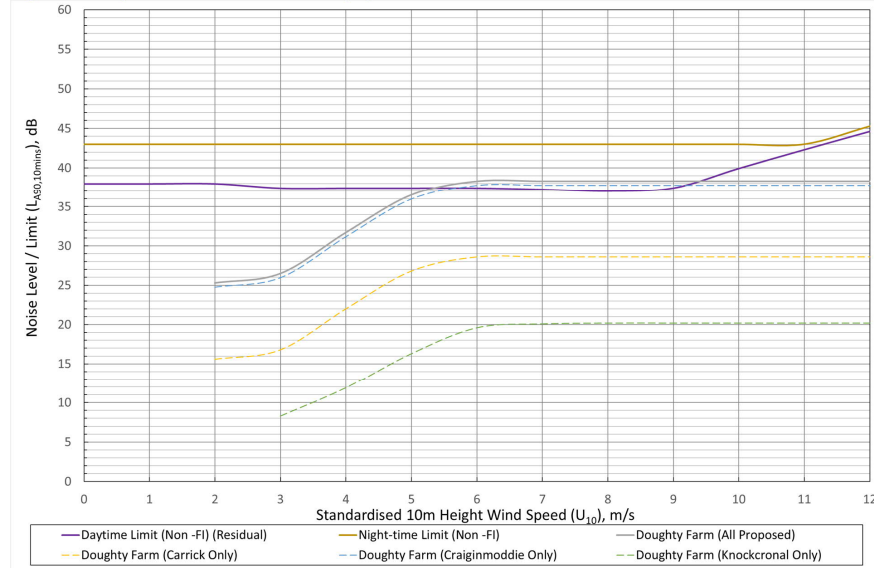
Daytime and Night-time – Assessment for Black Row, Aldinna and White Row



Graph 9.10.11 Black Row, Aldinna and White Row – Operational Wind Turbine Noise Levels Versus Derived Limits, dB(A)

### 9.2.6 Limits: Doughty Farm

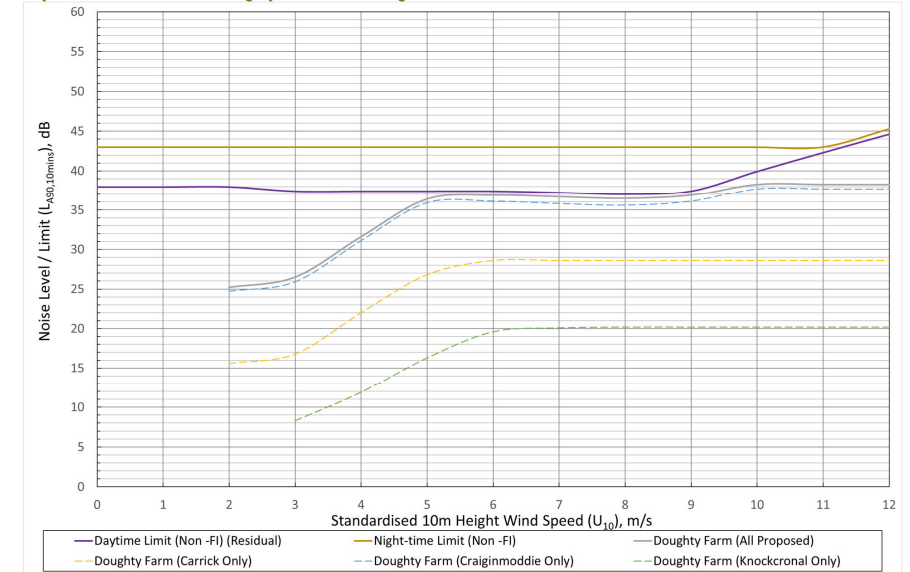
Daytime and Night-time – Assessment for Doughty Farm



Graph 9.10.12: Doughty Farm – Operational Wind Turbine Noise Levels Versus Derived Limits, dB(A)

### 9.4.1 Limits: Doughty Farm

Daytime – Assessment for Doughty Farm – With Mitigation



Graph 9.10.13 Doughty Farm – Daytime With Mitigation – Levels from the Three Proposed Developments versus the Derived Limits, dB(A)

## 9.3 With Mitigation– Scenario 1: Proposed Development Only

1. No mitigation is required.

## 9.4 With Mitigation– Scenario 2: Three Proposed Developments (Carrick, Craiginmoddie and Knockcronal)

2. Mitigation is only required to be applied to Craiginmoddie Windfarm in order to achieve the applicable (Non-Financial Involvement) limits at Doughty Farm during the daytime period.
3. The 'With Mitigation' results presented in **Graph 9.10.13** are the resulting receptor noise levels with the example Craiginmoddie Windfarm daytime noise management scheme in operation (see **Table 9.48** of **Chapter 9: Noise** of the Environmental Impact Assessment Report (EIAR)).

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