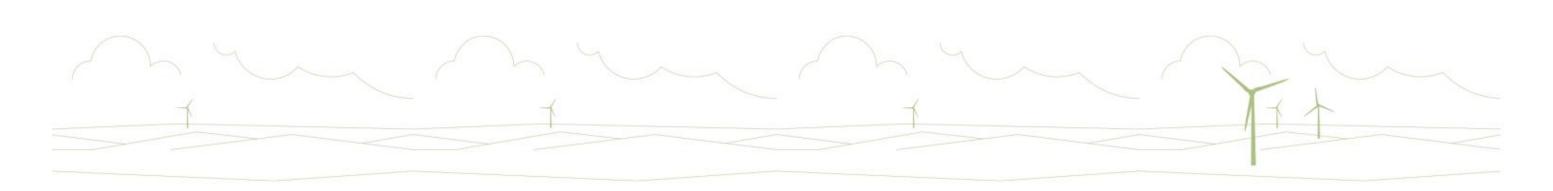


Technical Appendix 9.9 Assessment Against Determined Limits



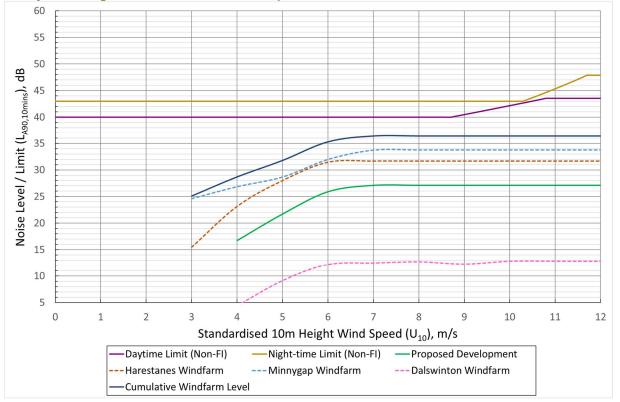
Table of contents

9.1	Cumulative Limits: Mollin Farm	3
9.2	Cumulative Limits: Burrancehill Cottage	3
9.3	Cumulative Limits: Lamphitt	5
9.4	Cumulative Limits: Glenview	5

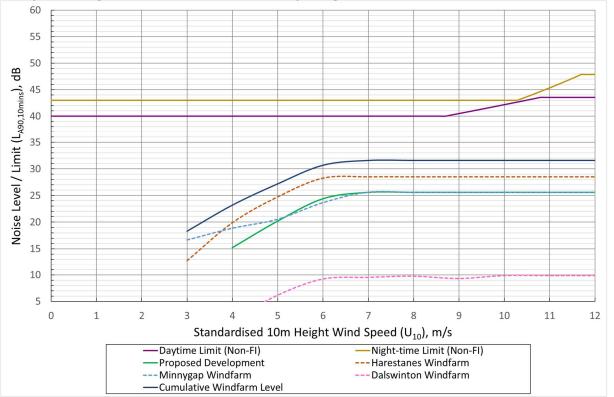


Cumulative Limits: Mollin Farm 9.1

Daytime and Night-time - Assessment for Barntimpin

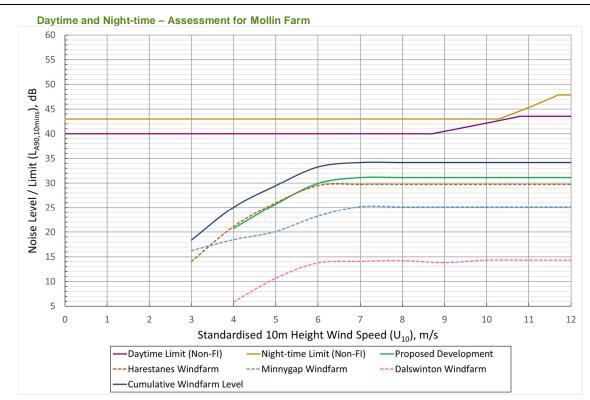


Graph 9.9.1: Barntimpin – Operational Turbine Noise Levels (In Isolation and Cumulative Scenario) Versus Derived Limits, dB(A)



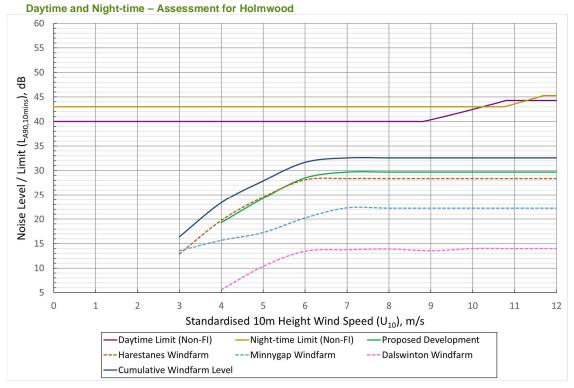
Daytime and Night-time – Assessment for Auld Laundry Cottage

Graph 9.9.2: Auld Laundry Cottage - Operational Turbine Noise Levels (in Isolation and Cumulative Scenario) Versus Derived Limits, dB(A)



Graph 9.9.3: Mollin Farm - Operational Turbine Noise Levels (in Isolation and Cumulative Scenario) Versus Derived Limits, dB(A)

9.2 Cumulative Limits: Burrancehill Cottage

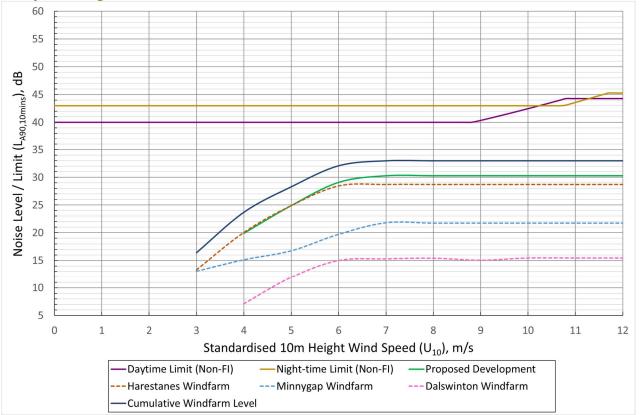


Graph 9.9.4: Holmwood - Operational Turbine Noise Levels (in Isolation and Cumulative Scenario) Versus Derived Limits, dB(A)

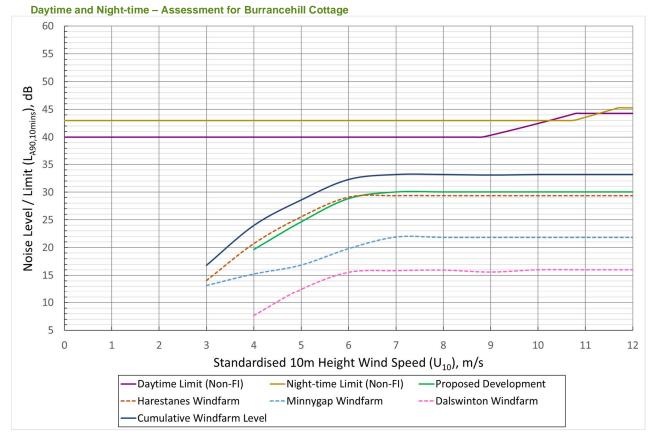


Harestanes South Windfarm Extension Environmental Impact Assessment Report – Volume 4

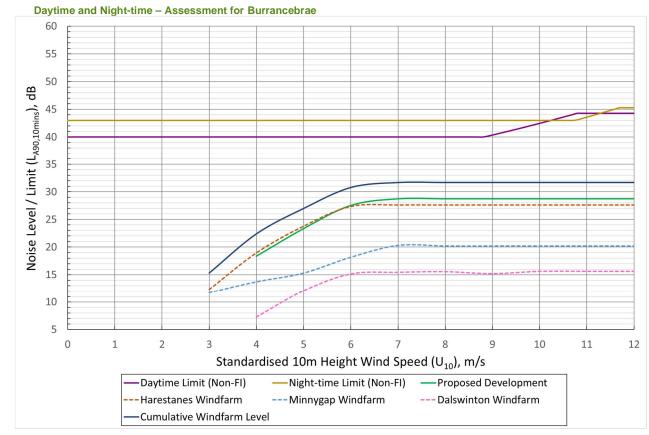
Daytime and Night-time – Assessment for Courancehill



Graph 9.9.5: Courancehill – Operational Turbine Noise Levels (in Isolation and Cumulative Scenario) Versus Derived Limits, dB(A)



Graph 9.9.6: Burrancehill Cottage - Operational Turbine Noise Levels (in Isolation and Cumulative Scenario) Versus Derived Limits, dB(A)



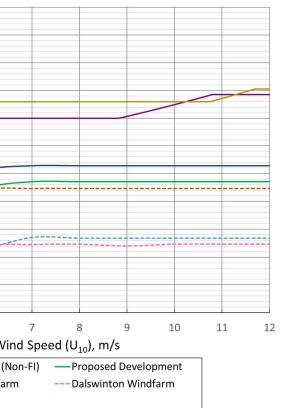
Graph 9.9.7: Burrancebrae – Operational Turbine Noise Levels (in Isolation and Cumulative Scenario) Versus Derived Limits, dB(A)

Daytime and Night-time – Assessment for Kirkland Cottage

60 55 50 dB () 45 Noise Level / Limit (L_{A90,10mi} 40 35 30 25 20 15 10 5 1 2 3 4 5 6 0 Standardised 10m Height Wind Speed (U₁₀), m/s —Night-time Limit (Non-FI) — Daytime Limit (Non-FI) ---Minnygap Windfarm -Harestanes Windfarm -Cumulative Windfarm Level

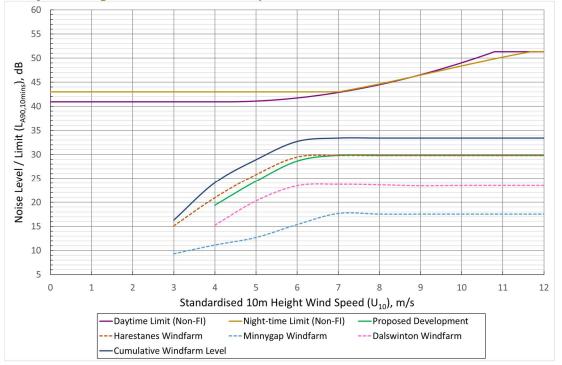
Graph 9.9.8: Kirkland Cottage - Operational Turbine Noise Levels (in Isolation and Cumulative Scenario) Versus Derived Limits, dB(A)

December 2020



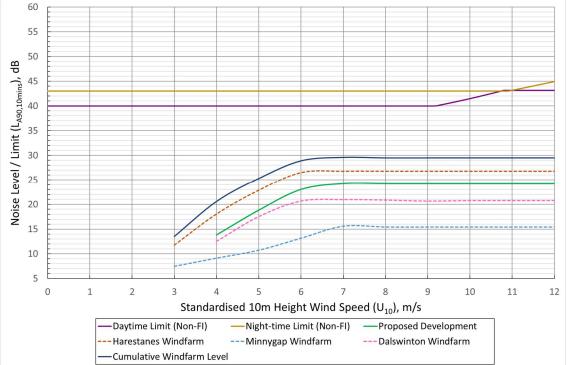
Cumulative Limits: Lamphitt 9.3

Daytime and Night-time – Assessment for Lamphitt

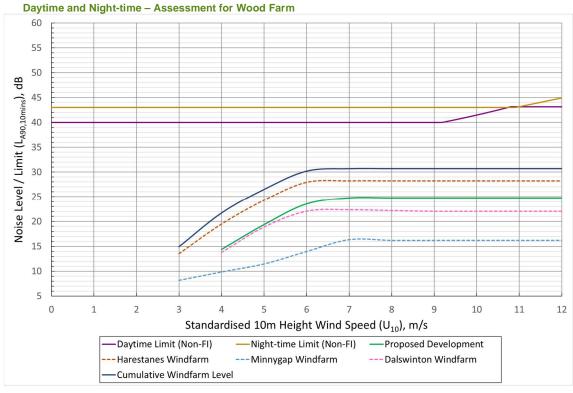


Graph 9.9.9: Lamphitt - Operational Turbine Noise Levels (in Isolation and Cumulative Scenario) Versus Derived Limits, dB(A)

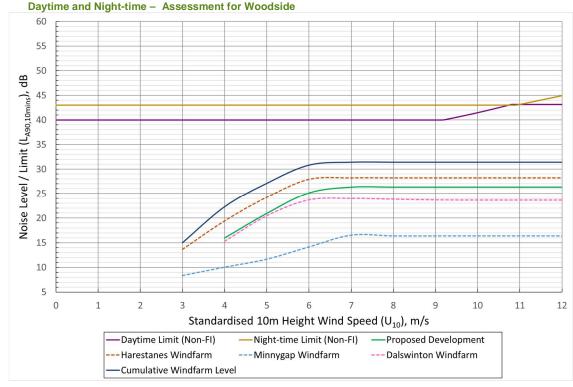
Cumulative Limits: Glenview 9.4



Graph 9.9.10: Townhead Farm - Operational Turbine Noise Levels (in Isolation and Cumulative Scenario) Versus Derived Limits, dB(A)



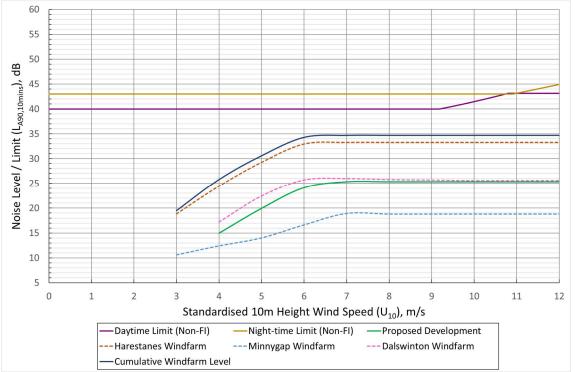




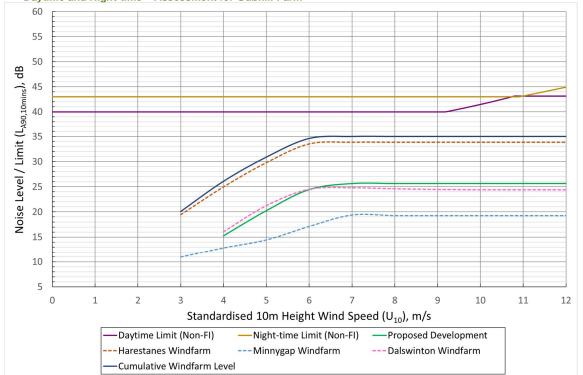
Graph 9.9.12: Woodside - Operational Turbine Noise Levels (in Isolation and Cumulative Scenario) Versus Derived Limits, dB(A)

Daytime and Night-time – Assessment for Townhead Farm





Graph 9.9.13: Glenview – Operational Turbine Noise Levels (in Isolation and Cumulative Scenario) Versus Derived Limits, dB(A)



Daytime and Night-time – Assessment for Gubhill Farm

Graph 9.9.14: Guibhill Farm – Operational Turbine Noise Levels (in Isolation and Cumulative Scenario) Versus Derived Limits, dB(A)

Harestanes South Windfarm Extension Project Team

ScottishPower Renewables 9th Floor ScottishPower Headquarters 320 St Vincent Street Glasgow G2 5AD

HarestanesSouthWindfarm@scottishpower.com

