NOISE ASSESSMENT CHECKLIST

Clashindarroch II Wind Farm

Prepared for: Vattenfall Wind Power Ltd

Technical Appendix 14.1

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TABLES

Table 1-1
Key Points for Inclusion in a Wind Turbine Noise Assessment Report

		Reference in Chapter 14
Consultations	Consultation with Local Planning Authority	Table 14-1; paragraph 14.37
	EHO input into selection of Background Noise Measurement Locations	n/a; see paragraphs 14.44 – 14.47
Background Measurements	Number of monitoring locations	n/a; see paragraphs 14.44 – 14.47; paragraphs 14.65 & 14.66
	Map showing monitoring locations; description of monitoring locations	
	Description of noise environment; photos of monitoring locations	
	Monitoring period; description of noise measurement equipment wind shield	
	Certification / calibration of all equipment used & any calibration drift	
	Wind (speed & direction); rainfall measurement data sources	
	Clear representation of excluded data in time histories or scatter plots	
	Chart showing distribution of wind speeds & direction	
	Cumulative issues in background measurements	
Noise Predictions	Prediction methodology; candidate turbine model	Paragraphs 14.83 – 14.85
	Turbine source noise data (including noise-reduced modes if used)	Table 14-7
	Turbine source octave band noise levels	
	Description of noise propagation/attenuation factors	Paragraphs 14.22 – 14.28
	Atmospheric attenuation – assumed temperature & relative humidity	
	Ground effects – assumed ground factor	
	Assumed receiver height	Paragraph 14.22
	Noise contours	Figure 14.1 & Figure 14.2
Assessment	Wind shear assessment method; derivation of prevailing background noise	
	Type, order and coefficients of regression line	

		Reference in Chapter 14
	Scatter data shown on plots; derivation of noise limits & numerical values	n/a; see paragraphs 14.44 – 14.47; paragraphs 14.65 & 14.66
	Amenity noise limit; justification for amenity noise limit if chosen	Table 14-3
	Night-time noise limit; financially involved noise limit	
	Comparison of predicted noise levels with derived noise limits	Paragraphs 14.90 – 14.92, Table 14-10; paragraphs 14.107 – 14.112, Tables 14-14 to 14-18
	Correction from L_{Aeq} to L_{A90}	Paragraph 14.29
	Properties covered by assessment	Table 14-2; Figure 14.1 & Figure 14.2
	Incorporated mitigation (turbines running in low noise mode, if relevant)	n/a; not required; see paragraph 14.93 & 14.114
	Cumulative issues	Paragraphs 14.102 – 14.112; Tables 14-14 to 14-18

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