



Appendix 10.5

Assessment Against 2019 Draft Guidelines

Coolglass Wind Farm EIAR Volume 3

Coolglass Wind Farm Limited

SLR Project No.: 501.V00727.00006

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APPENDIX 10.5 – ASSESSMENT AGAINST 2019 DRAFT GUIDELINES

A separate assessment of the proposed development has been carried out in accordance with the 2019 Draft Guidelines. The noise limits have been determined in accordance with the 2019 Draft Guidelines and are more stringent than those derived under the 2006 Guidelines. Therefore, some operational constraint has been required to meet the 2019 Draft Guideline noise limits. The exact model of turbine installed on site will be subject to wider considerations and may not be one of the candidate machines used in this assessment. Therefore, the noise reduced modes set out below are aimed to demonstrate the principle that a development of the scale of the proposed development is achievable.

Three operational constraint plans have been developed per candidate turbine to reflect the three periods of the day that the 2019 Draft Guideline noise limits apply, day (0700 to 1900 hours), evening (1900 to 2300 hours) and night (2300 to 0700 hours). Operational modes required for all the turbines during the day, evening and night periods, are summarised respectively in Table 10.5-1 through to Table 10.5-3 for the SG155 6.6MW machine and in Table 10.5-4 through Table 10.5-6 for the V162 7.2MW machine. All wind speeds are standardised 10m values. No reductions have been applied due to directional effect, it is assumed that each receiver will be downwind of all turbines at any one time. This will result in the wind turbine noise immission levels presented being an absolute maximum, and in practice will be lower under certain wind directions.

Table 10.5-1
SG155-6.6MW Wind Turbine Operational Mode per Standardised Wind Speed, Daytime

Turbine	5 m/s	6 m/s	7 m/s	8 m/s	9 m/s	10+ m/s
T1	N3	N1	Normal	Normal	Normal	Normal
T2	Normal	Normal	Normal	Normal	Normal	Normal
T3	Normal	Normal	Normal	Normal	Normal	Normal
T4	Normal	Normal	Normal	Normal	Normal	Normal
T5	N5	N5	N3	N1	Normal	Normal
T6	Normal	Normal	Normal	Normal	Normal	Normal
T7	Normal	N2	Normal	Normal	Normal	Normal
T8	N4	N3	Normal	Normal	Normal	Normal
T9	N5	N6	N1	Normal	Normal	Normal
T10	N5	N4	Normal	Normal	Normal	Normal
T11	N4	N3	N1	Normal	Normal	Normal
T12	Normal	N3	Normal	Normal	Normal	Normal
T13	N5	N4	N3	Normal	Normal	Normal

Table 10.5-2
SG155-6.6MW Wind Turbine Operational Mode per Standardised Wind Speed, Evening

Turbine	5 m/s	6 m/s	7 m/s	8 m/s	9 m/s	10+ m/s
T1	N5	N3	N3	Normal	Normal	Normal
T2	Normal	Normal	Normal	N1	N1	N1
T3	N6	N3	N3	Normal	Normal	Normal
T4	N6	N3	N3	N3	N3	N3
T5	N5	N5	N5	N5	N6	N6
T6	N6	N3	N3	N3	N3	N3
T7	Normal	N4	N4	N4	N4	N4
T8	N3	N3	N3	N1	Normal	Normal
T9	N5	N5	N5	Normal	Normal	Normal
T10	N4	N4	N4	N1	Normal	Normal
T11	N5	N5	N5	N5	Normal	Normal
T12	N4	N4	N4	N4	Normal	Normal
T13	N5	N5	N5	N6	N1	Normal

Table 10.5-3
SG155-6.6MW Wind Turbine Operational Mode per Standardised Wind Speed, Night-time

Turbine	5 m/s	6 m/s	7 m/s	8 m/s	9 m/s	10+ m/s
T1	N6	N5	N3	N3	N1	Normal
T2	Normal	N2	N2	N2	N1	N2
T3	N6	N6	N3	N3	Normal	Normal
T4	N6	N6	N4	N4	N2	N2
T5	N4	N4	N5	N5	N6	N6
T6	N6	N6	N4	N4	N3	N3
T7	Normal	N5	N3	N3	N5	N5
T8	N4	N3	N3	N3	N4	Normal
T9	N6	N5	N5	N5	Normal	Normal
T10	Normal	N4	N4	N4	N2	Normal
T11	N5	N5	N5	N5	N6	N5
T12	N3	N3	N3	N3	N4	N3
T13	N6	N6	N6	N6	N6	N5

Table 10.5-4
V162-7.2MW Wind Turbine Operational Mode per Standardised Wind Speed, Daytime

Turbine	5 m/s	6 m/s	7 m/s	8 m/s	9 m/s	10+ m/s
T1	Normal	Normal	Normal	Normal	Normal	Normal
T2	Normal	Normal	Normal	Normal	Normal	Normal
T3	Normal	Normal	Normal	Normal	Normal	Normal
T4	Normal	Normal	Normal	Normal	Normal	Normal
T5	Normal	SO2	SO3	SO2	Normal	SO2
T6	Normal	Normal	Normal	Normal	Normal	Normal
T7	Normal	Normal	Normal	Normal	Normal	Normal
T8	Normal	SO2	Normal	Normal	Normal	Normal
T9	Normal	SO6	Normal	Normal	Normal	Normal
T10	Normal	SO3	Normal	Normal	Normal	Normal
T11	Normal	SO2	SO2	Normal	Normal	Normal
T12	Normal	SO2	Normal	Normal	Normal	Normal
T13	Normal	SO2	SO2	Normal	Normal	Normal

Table 10.5-5
V162-7.2MW Wind Turbine Operational Mode per Standardised Wind Speed, Evening

Turbine	5 m/s	6 m/s	7 m/s	8 m/s	9 m/s	10+ m/s
T1	Normal	SO3	SO4	Normal	Normal	Normal
T2	Normal	Normal	SO2	SO2	SO2	SO2
T3	Normal	Normal	Normal	Normal	Normal	Normal
T4	Normal	Normal	SO2	SO3	SO3	SO3
T5	Normal	SO5	SO6	SO5	SO5	SO5
T6	Normal	SO3	SO3	SO2	SO2	SO2
T7	Normal	SO2	SO3	SO3	SO4	SO4
T8	Normal	SO3	SO3	Normal	Normal	Normal
T9	Normal	SO5	SO5	Normal	Normal	Normal
T10	Normal	SO3	SO3	SO2	Normal	Normal
T11	Normal	SO4	SO4	SO5	Normal	Normal
T12	Normal	SO2	SO2	SO3	Normal	Normal
T13	Normal	SO5	SO6	SO5	SO2	Normal

Table 10.5-6
V162-7.2MW Wind Turbine Operational Mode per Standardised Wind Speed, Night-time

Turbine	5 m/s	6 m/s	7 m/s	8 m/s	9 m/s	10+ m/s
T1	Normal	S05	S03	S03	S02	Normal
T2	Normal	S02	S02	S02	S02	S02
T3	Normal	S05	S04	S02	Normal	Normal
T4	Normal	S06	S04	S03	S03	S03
T5	Normal	S03	S04	S04	S05	S05
T6	Normal	S06	S03	S02	S02	S02
T7	Normal	S02	S02	S03	S04	S04
T8	Normal	S02	S03	S03	S02	Normal
T9	Normal	S05	S05	S05	S02	Normal
T10	Normal	S03	S03	S03	S02	S02
T11	Normal	S05	S05	S05	S05	S04
T12	Normal	S02	S02	S02	S03	S02
T13	Normal	S05	S05	S05	S05	S05

The assessment against the 2019 Draft Guidelines is presented for all NSR in Table 10.5-7 and Table 10.5-8 for the candidate machines SG155 6.6MW and V162 7.2MW respectively. Table 10.5-7 and Table 10.5-8 confirm that the predicted wind farm noise immission levels do not exceed the daytime, evening or night-time noise limits derived in accordance with the 2019 Draft Guidelines under all wind speeds and at all locations. Calculations have been carried out to one decimal place and presented as whole numbers in Table 10.5-7 and Table 10.5-8; therefore, in some cases the exceedance may not exactly equal the difference between the presented values for the limit and immission.

**Table 10.5-7
 Assessment of Predicted SG155 6.6MW Wind Farm Noise Immission Levels Against 2019 Draft Guidelines**

NSR ID	Description	Standardised wind speed, m/s. Noise level dB LA90						
		4	5	6	7	8	9	10 +
NSR01	Day turbine immission	29	34	36	36	36	37	37
	Evening turbine immission	29	32	34	34	35	35	35
	Night turbine immission	29	32	32	33	33	35	35
	Daytime limit	35	35	37	38	38	39	39
	Evening limit	35	35	35	35	35	35	35
	Night-time limit	35	35	35	35	35	35	35
	Daytime exceedance	-6	-2	-1	-1	-2	-3	-3
	Evening exceedance	-6	-3	-1	-1	0	0	0
	Night-time exceedance	-6	-3	-3	-2	-2	0	0
NSR02	Day turbine immission	31	35	36	37	38	39	39
	Evening turbine immission	31	34	35	35	35	35	35
	Night turbine immission	31	35	34	35	35	35	35
	Daytime limit	35	35	37	38	38	39	39
	Evening limit	35	35	35	35	35	35	35
	Night-time limit	35	35	35	35	35	35	35
	Daytime exceedance	-4	0	0	0	0	0	0
	Evening exceedance	-4	-1	0	0	0	0	0
	Night-time exceedance	-4	0	-1	0	0	0	0
NSR03	Day turbine immission	28	32	34	35	35	35	35
	Evening turbine immission	28	31	33	33	34	34	34
	Night turbine immission	28	31	31	32	32	34	34
	Daytime limit	35	35	37	40	43	43	43
	Evening limit	35	35	35	35	38	42	43
	Night-time limit	35	35	35	35	35	37	42
	Daytime exceedance	-7	-3	-3	-5	-8	-8	-8
	Evening exceedance	-7	-4	-2	-2	-4	-8	-9
	Night-time exceedance	-7	-4	-4	-3	-3	-3	-7
NSR04	Day turbine immission	30	34	36	37	37	37	37
	Evening turbine immission	30	32	34	34	36	36	36
	Night turbine immission	30	32	32	34	34	36	36
	Daytime limit	35	35	37	40	43	43	43
	Evening limit	35	35	35	35	38	42	43
	Night-time limit	35	35	35	35	35	37	42
	Daytime exceedance	-5	-1	-1	-3	-6	-6	-6
	Evening exceedance	-5	-3	-1	-1	-2	-6	-7
	Night-time exceedance	-5	-3	-3	-1	-1	-1	-6
NSR05	Day turbine immission	30	35	37	38	38	38	38
	Evening turbine immission	30	33	35	35	37	37	37
	Night turbine immission	30	32	33	35	35	37	37
	Daytime limit	35	35	37	40	43	43	43
	Evening limit	35	35	35	35	38	42	43

NSR ID	Description	Standardised wind speed, m/s. Noise level dB L _{A90}						
		4	5	6	7	8	9	10 +
	Night-time limit	35	35	35	35	35	37	42
	Daytime exceedance	-5	0	0	-2	-5	-5	-5
	Evening exceedance	-5	-2	0	0	-1	-5	-6
	Night-time exceedance	-5	-3	-2	0	0	-1	-5
NSR06	Day turbine immission	33	37	39	40	40	40	40
	Evening turbine immission	33	35	37	37	38	38	38
	Night turbine immission	33	35	35	37	37	38	38
	Daytime limit	35	38	42	43	43	43	43
	Evening limit	35	35	37	42	43	43	43
	Night-time limit	35	35	35	37	41	43	43
	Daytime exceedance	-2	-1	-3	-3	-3	-3	-3
	Evening exceedance	-2	0	0	-5	-5	-5	-5
Night-time exceedance	-2	0	0	0	-5	-5	-5	
NSR07	Day turbine immission	30	34	36	37	37	37	37
	Evening turbine immission	30	32	34	34	35	35	35
	Night turbine immission	30	32	32	33	33	35	35
	Daytime limit	35	38	42	43	43	43	43
	Evening limit	35	35	37	42	43	43	43
	Night-time limit	35	35	35	37	41	43	43
	Daytime exceedance	-5	-4	-6	-6	-6	-6	-6
	Evening exceedance	-5	-3	-4	-8	-8	-8	-8
Night-time exceedance	-5	-3	-3	-3	-8	-8	-8	
NSR08	Day turbine immission	30	34	36	37	37	37	37
	Evening turbine immission	30	33	34	34	34	35	35
	Night turbine immission	30	33	32	34	34	34	34
	Daytime limit	35	38	42	43	43	43	43
	Evening limit	35	35	37	42	43	43	43
	Night-time limit	35	35	35	37	41	43	43
	Daytime exceedance	-5	-4	-7	-6	-6	-6	-6
	Evening exceedance	-5	-2	-4	-8	-9	-8	-8
Night-time exceedance	-5	-2	-3	-3	-8	-9	-9	
NSR09	Day turbine immission	29	34	35	36	37	37	37
	Evening turbine immission	29	33	33	33	34	34	34
	Night turbine immission	29	33	32	33	33	34	34
	Daytime limit	35	38	42	43	43	43	43
	Evening limit	35	35	37	42	43	43	43
	Night-time limit	35	35	35	37	41	43	43
	Daytime exceedance	-6	-5	-7	-7	-6	-6	-6
	Evening exceedance	-6	-2	-4	-9	-9	-9	-9
Night-time exceedance	-6	-2	-3	-4	-8	-9	-9	
NSR10	Day turbine immission	28	32	33	35	35	35	35
	Evening turbine immission	28	31	31	31	32	33	33
	Night turbine immission	28	31	30	32	32	32	32
	Daytime limit	35	38	42	43	43	43	43

NSR ID	Description	Standardised wind speed, m/s. Noise level dB LA90						
		4	5	6	7	8	9	10 +
	Evening limit	35	35	37	42	43	43	43
	Night-time limit	35	35	35	37	41	43	43
	Daytime exceedance	-7	-6	-9	-8	-8	-8	-8
	Evening exceedance	-7	-4	-6	-10	-11	-10	-10
	Night-time exceedance	-7	-4	-5	-5	-10	-11	-11
NSR11	Day turbine immission	29	32	33	36	36	36	36
	Evening turbine immission	29	32	32	32	35	36	36
	Night turbine immission	29	32	32	32	32	35	36
	Daytime limit	35	35	35	39	43	43	43
	Evening limit	35	35	35	35	39	43	43
	Night-time limit	35	35	35	35	35	40	43
	Daytime exceedance	-6	-3	-3	-3	-7	-7	-7
	Evening exceedance	-6	-3	-3	-3	-3	-7	-7
Night-time exceedance	-6	-3	-3	-3	-3	-5	-7	
NSR12	Day turbine immission	32	35	35	39	39	39	39
	Evening turbine immission	32	35	35	35	38	39	39
	Night turbine immission	32	35	35	35	35	37	38
	Daytime limit	35	35	35	39	43	43	43
	Evening limit	35	35	35	35	39	43	43
	Night-time limit	35	35	35	35	35	40	43
	Daytime exceedance	-3	0	0	0	-4	-4	-4
	Evening exceedance	-3	0	0	0	-1	-4	-4
Night-time exceedance	-3	0	0	0	0	-2	-5	
NSR13	Day turbine immission	31	34	34	38	38	38	38
	Evening turbine immission	31	34	34	34	37	38	38
	Night turbine immission	31	34	34	34	34	36	37
	Daytime limit	35	35	35	39	43	43	43
	Evening limit	35	35	35	35	39	43	43
	Night-time limit	35	35	35	35	35	40	43
	Daytime exceedance	-4	-1	-1	-1	-5	-5	-5
	Evening exceedance	-4	-1	-1	-1	-2	-5	-5
Night-time exceedance	-4	-1	-1	-1	-1	-4	-6	
NSR14	Day turbine immission	30	33	34	37	38	38	38
	Evening turbine immission	30	34	34	34	36	37	37
	Night turbine immission	30	33	34	34	34	35	37
	Daytime limit	36	37	38	40	43	43	43
	Evening limit	35	35	35	35	38	41	43
	Night-time limit	35	35	35	35	35	36	40
	Daytime exceedance	-6	-4	-5	-3	-5	-5	-5
	Evening exceedance	-5	-1	-1	-2	-1	-3	-6
Night-time exceedance	-5	-2	-1	-1	-1	-1	-3	
NSR15	Day turbine immission	31	34	34	37	38	38	38
	Evening turbine immission	31	34	34	34	36	38	38
	Night turbine immission	31	35	34	34	34	35	37

NSR ID	Description	Standardised wind speed, m/s. Noise level dB L _{A90}						
		4	5	6	7	8	9	10 +
	Daytime limit	35	35	35	39	43	43	43
	Evening limit	35	35	35	35	39	43	43
	Night-time limit	35	35	35	35	35	40	43
	Daytime exceedance	-4	-1	-1	-1	-5	-5	-5
	Evening exceedance	-4	-1	-1	-1	-3	-5	-5
	Night-time exceedance	-4	0	-1	-1	-1	-4	-6
NSR16	Day turbine immission	32	35	35	38	39	39	39
	Evening turbine immission	32	35	35	35	37	39	39
	Night turbine immission	32	34	35	35	35	36	38
	Daytime limit	36	37	38	40	43	43	43
	Evening limit	35	35	35	35	38	41	43
	Night-time limit	35	35	35	35	35	36	40
	Daytime exceedance	-4	-2	-3	-2	-4	-4	-4
	Evening exceedance	-3	0	0	0	-1	-2	-4
NSR17	Day turbine immission	31	34	34	37	38	38	38
	Evening turbine immission	31	33	33	33	35	38	38
	Night turbine immission	31	34	33	33	33	34	35
	Daytime limit	35	36	37	38	41	43	43
	Evening limit	35	35	35	35	36	39	41
	Night-time limit	35	35	35	35	35	35	36
	Daytime exceedance	-4	-2	-2	-1	-3	-5	-5
	Evening exceedance	-4	-2	-2	-2	-1	-1	-4
	Night-time exceedance	-4	-1	-2	-2	-2	-1	-1
NSR18	Day turbine immission	32	35	36	38	39	39	39
	Evening turbine immission	32	35	35	35	36	39	39
	Night turbine immission	32	35	35	35	35	35	36
	Daytime limit	35	36	37	38	41	43	43
	Evening limit	35	35	35	35	36	39	41
	Night-time limit	35	35	35	35	35	35	36
	Daytime exceedance	-3	0	-1	0	-1	-4	-4
	Evening exceedance	-3	0	0	0	0	0	-2
	Night-time exceedance	-3	0	0	0	0	0	0
NSR19	Day turbine immission	30	33	34	36	37	37	37
	Evening turbine immission	30	33	33	33	33	37	37
	Night turbine immission	30	33	33	33	33	33	34
	Daytime limit	35	36	37	38	41	43	43
	Evening limit	35	35	35	35	36	39	41
	Night-time limit	35	35	35	35	35	35	36
	Daytime exceedance	-5	-2	-3	-2	-4	-6	-6
	Evening exceedance	-5	-2	-2	-2	-2	-2	-4
	Night-time exceedance	-5	-2	-2	-2	-2	-2	-2

**Table 10.5-8
 Assessment of Predicted V162 7.2MW Wind Farm Noise Immission Levels Against 2019 Draft Guidelines**

NSR ID	Description	Standardised wind speed, m/s. Noise level dB LA90						
		4	5	6	7	8	9	10 +
NSR01	Day turbine immission	27	31	35	36	37	37	37
	Evening turbine immission	27	31	34	34	35	35	35
	Night turbine immission	27	31	32	33	34	34	35
	Daytime limit	35	35	37	38	38	39	39
	Evening limit	35	35	35	35	35	35	35
	Night-time limit	35	35	35	35	35	35	35
	Daytime exceedance	-8	-4	-1	-1	-2	-2	-2
	Evening exceedance	-8	-4	-1	-1	0	0	0
	Night-time exceedance	-8	-4	-3	-2	-1	-1	0
NSR02	Day turbine immission	29	33	37	37	38	39	38
	Evening turbine immission	29	33	35	34	35	35	35
	Night turbine immission	29	33	34	35	35	35	35
	Daytime limit	35	35	37	38	38	39	39
	Evening limit	35	35	35	35	35	35	35
	Night-time limit	35	35	35	35	35	35	35
	Daytime exceedance	-6	-3	0	0	-1	0	-1
	Evening exceedance	-6	-2	0	-1	0	0	0
	Night-time exceedance	-6	-2	-1	0	0	0	0
NSR03	Day turbine immission	25	29	34	35	35	36	36
	Evening turbine immission	25	29	33	32	34	34	35
	Night turbine immission	25	29	31	32	32	33	35
	Daytime limit	35	35	37	40	43	43	43
	Evening limit	35	35	35	35	38	42	43
	Night-time limit	35	35	35	35	35	37	42
	Daytime exceedance	-10	-6	-3	-5	-8	-7	-7
	Evening exceedance	-10	-6	-2	-3	-4	-8	-8
	Night-time exceedance	-10	-6	-4	-3	-3	-4	-7
NSR04	Day turbine immission	27	31	35	37	37	37	37
	Evening turbine immission	27	31	34	33	36	36	37
	Night turbine immission	27	31	32	33	33	35	37
	Daytime limit	35	35	37	40	43	43	43
	Evening limit	35	35	35	35	38	42	43
	Night-time limit	35	35	35	35	35	37	42
	Daytime exceedance	-8	-4	-2	-3	-6	-6	-6
	Evening exceedance	-8	-4	-1	-2	-2	-6	-6
	Night-time exceedance	-8	-4	-3	-2	-2	-3	-5
NSR05	Day turbine immission	28	32	36	38	38	38	38
	Evening turbine immission	28	32	35	34	37	37	38
	Night turbine immission	28	32	33	34	34	35	38
	Daytime limit	35	35	37	40	43	43	43
	Evening limit	35	35	35	35	38	42	43

NSR ID	Description	Standardised wind speed, m/s. Noise level dB LA90						
		4	5	6	7	8	9	10 +
	Night-time limit	35	35	35	35	35	37	42
	Daytime exceedance	-7	-3	-1	-2	-5	-5	-5
	Evening exceedance	-7	-3	0	-1	-1	-5	-5
	Night-time exceedance	-7	-3	-2	-1	-1	-2	-4
NSR06	Day turbine immission	30	34	38	40	40	40	41
	Evening turbine immission	30	34	37	37	38	38	39
	Night turbine immission	30	34	35	36	37	38	38
	Daytime limit	35	38	42	43	43	43	43
	Evening limit	35	35	37	42	43	43	43
	Night-time limit	35	35	35	37	41	43	43
	Daytime exceedance	-5	-4	-4	-3	-3	-3	-2
	Evening exceedance	-5	-1	0	-4	-5	-5	-4
Night-time exceedance	-5	-1	0	-1	-4	-5	-5	
NSR07	Day turbine immission	27	31	35	37	37	37	38
	Evening turbine immission	27	31	34	34	35	35	36
	Night turbine immission	27	31	32	33	34	34	35
	Daytime limit	35	38	42	43	43	43	43
	Evening limit	35	35	37	42	43	43	43
	Night-time limit	35	35	35	37	41	43	43
	Daytime exceedance	-8	-7	-7	-6	-6	-6	-5
	Evening exceedance	-8	-4	-3	-8	-8	-8	-7
Night-time exceedance	-8	-4	-3	-3	-7	-9	-8	
NSR08	Day turbine immission	27	32	35	37	37	38	38
	Evening turbine immission	27	32	34	34	35	35	35
	Night turbine immission	27	32	33	34	34	34	35
	Daytime limit	35	38	42	43	43	43	43
	Evening limit	35	35	37	42	43	43	43
	Night-time limit	35	35	35	37	41	43	43
	Daytime exceedance	-8	-7	-7	-6	-6	-5	-5
	Evening exceedance	-8	-3	-3	-8	-8	-8	-8
Night-time exceedance	-8	-3	-2	-3	-7	-9	-8	
NSR09	Day turbine immission	27	31	35	37	37	37	37
	Evening turbine immission	27	31	34	33	34	35	35
	Night turbine immission	27	31	32	33	33	34	34
	Daytime limit	35	38	42	43	43	43	43
	Evening limit	35	35	37	42	43	43	43
	Night-time limit	35	35	35	37	41	43	43
	Daytime exceedance	-8	-7	-8	-6	-6	-6	-6
	Evening exceedance	-8	-4	-4	-8	-9	-8	-8
Night-time exceedance	-8	-4	-3	-3	-8	-9	-9	
NSR10	Day turbine immission	26	30	33	35	36	36	36
	Evening turbine immission	26	30	32	32	33	34	34
	Night turbine immission	26	30	32	32	32	32	33
	Daytime limit	35	38	42	43	43	43	43

NSR ID	Description	Standardised wind speed, m/s. Noise level dB LA90						
		4	5	6	7	8	9	10 +
	Evening limit	35	35	37	42	43	43	43
	Night-time limit	35	35	35	37	41	43	43
	Daytime exceedance	-9	-9	-9	-8	-7	-7	-7
	Evening exceedance	-9	-5	-5	-10	-10	-9	-9
	Night-time exceedance	-9	-5	-3	-5	-9	-11	-10
NSR11	Day turbine immission	27	31	33	37	37	37	37
	Evening turbine immission	27	31	33	32	36	37	37
	Night turbine immission	27	31	32	32	32	34	36
	Daytime limit	35	35	35	39	43	43	43
	Evening limit	35	35	35	35	39	43	43
	Night-time limit	35	35	35	35	35	40	43
	Daytime exceedance	-8	-4	-2	-2	-6	-6	-6
	Evening exceedance	-8	-4	-2	-3	-3	-6	-6
Night-time exceedance	-8	-4	-3	-3	-3	-6	-7	
NSR12	Day turbine immission	29	33	35	39	39	40	40
	Evening turbine immission	29	33	35	35	38	39	40
	Night turbine immission	29	33	35	35	35	36	38
	Daytime limit	35	35	35	39	43	43	43
	Evening limit	35	35	35	35	39	43	43
	Night-time limit	35	35	35	35	35	40	43
	Daytime exceedance	-6	-2	0	0	-4	-3	-3
	Evening exceedance	-6	-2	0	0	-1	-4	-3
Night-time exceedance	-6	-2	0	0	0	-4	-5	
NSR13	Day turbine immission	28	32	35	38	38	39	39
	Evening turbine immission	28	32	34	34	37	38	39
	Night turbine immission	28	32	34	34	34	35	37
	Daytime limit	35	35	35	39	43	43	43
	Evening limit	35	35	35	35	39	43	43
	Night-time limit	35	35	35	35	35	40	43
	Daytime exceedance	-7	-3	-1	-1	-5	-4	-4
	Evening exceedance	-7	-3	-1	-1	-2	-5	-4
Night-time exceedance	-7	-3	-1	-1	-1	-5	-6	
NSR14	Day turbine immission	28	32	34	37	38	38	38
	Evening turbine immission	28	32	33	33	37	38	38
	Night turbine immission	28	32	34	33	33	35	37
	Daytime limit	36	37	38	40	43	43	43
	Evening limit	35	35	35	35	38	41	43
	Night-time limit	35	35	35	35	35	36	40
	Daytime exceedance	-8	-5	-5	-3	-5	-5	-5
	Evening exceedance	-7	-3	-2	-2	-1	-3	-5
Night-time exceedance	-7	-3	-1	-2	-2	-1	-3	
NSR15	Day turbine immission	28	32	35	37	38	38	39
	Evening turbine immission	28	32	34	34	35	38	39
	Night turbine immission	28	32	34	34	34	35	36

NSR ID	Description	Standardised wind speed, m/s. Noise level dB L _{A90}						
		4	5	6	7	8	9	10 +
	Daytime limit	35	35	35	39	43	43	43
	Evening limit	35	35	35	35	39	43	43
	Night-time limit	35	35	35	35	35	40	43
	Daytime exceedance	-7	-3	-1	-1	-5	-5	-4
	Evening exceedance	-7	-3	-1	-1	-3	-5	-4
	Night-time exceedance	-7	-3	-1	-1	-1	-5	-7
NSR16	Day turbine immission	29	33	35	38	39	39	39
	Evening turbine immission	29	33	35	35	38	39	39
	Night turbine immission	29	33	35	35	35	36	38
	Daytime limit	36	37	38	40	43	43	43
	Evening limit	35	35	35	35	38	41	43
	Night-time limit	35	35	35	35	35	36	40
	Daytime exceedance	-7	-4	-3	-2	-4	-4	-4
	Evening exceedance	-6	-2	0	-1	0	-2	-4
Night-time exceedance	-6	-2	0	0	0	0	-2	
NSR17	Day turbine immission	28	32	35	37	38	38	39
	Evening turbine immission	28	32	34	34	34	38	39
	Night turbine immission	28	32	33	34	34	34	35
	Daytime limit	35	36	37	38	41	43	43
	Evening limit	35	35	35	35	36	39	41
	Night-time limit	35	35	35	35	35	35	36
	Daytime exceedance	-7	-3	-2	-2	-3	-5	-4
	Evening exceedance	-7	-3	-1	-1	-1	-1	-3
	Night-time exceedance	-7	-3	-2	-1	-1	-1	-1
NSR18	Day turbine immission	30	34	36	38	40	40	40
	Evening turbine immission	30	34	35	35	36	39	40
	Night turbine immission	30	34	35	35	35	35	36
	Daytime limit	35	36	37	38	41	43	43
	Evening limit	35	35	35	35	36	39	41
	Night-time limit	35	35	35	35	35	35	36
	Daytime exceedance	-5	-2	0	0	-1	-3	-3
	Evening exceedance	-5	-1	0	0	0	0	-1
	Night-time exceedance	-5	-1	0	0	0	0	0
NSR19	Day turbine immission	27	31	34	36	37	38	38
	Evening turbine immission	27	31	33	33	34	37	38
	Night turbine immission	27	31	33	33	33	33	34
	Daytime limit	35	36	37	38	41	43	43
	Evening limit	35	35	35	35	36	39	41
	Night-time limit	35	35	35	35	35	35	36
	Daytime exceedance	-8	-4	-2	-2	-3	-5	-5
	Evening exceedance	-8	-4	-2	-2	-2	-2	-3
	Night-time exceedance	-8	-4	-2	-2	-2	-2	-2

