Technical Appendix 11.4
Directivity Corrections

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1 Directivity Corrections

1.1.1 The corrections applicable to predicted levels from the Proposed Development, considering directivity, are provided in **Table 1**. The controlling properties are highlighted with **bold** text.

1.1.2 While these corrections are not applied to worst-case predicted levels reported in the noise assessment (refer to **Chapter 11** of the Environmental Impact Assessment [EIA] Report), the reductions provided in **Table 1** indicate the margin by which worst-case predictions due to the Proposed Development are likely to exceed the actual operational noise level at each Noise Sensitive Receptor (NSR) for each 10^{o} wind sector.

1.1.3 Directivity corrections applicable to cumulative developments have also not been included within the assessment, such that the reported levels and resultant analysis may be considered worst-case.

Table 1 – Applicable Directivity Corrections

Wind Direction	NSR ID																					
	NSR01	NSR03	NSR04	NSR08	NSR09	NSR11	NSR12	NSR13	NSR14	NSR15	NSR16	NSR17	NSR20	NSR21	NSR23	NSR24	NSR25	NSR26	NSR27	NSR28	NSR33	NSR34
	Directivity Correction, dB																					
0	-2	0	**0**	0	0	0	0	0	0	0	0	0	0	0	**0**	**-1**	**0**	-1	-1	-2	-1	0
10	-2	0	**0**	0	0	0	0	0	0	0	0	0	0	0	**0**	**-1**	**0**	-1	-1	-2	-1	-1
20	-1	0	**0**	0	0	0	0	0	0	0	0	0	0	0	**-1**	**0**	**0**	-1	-2	-2	-1	-1
30	-1	0	**0**	0	0	0	0	0	0	0	0	0	0	0	**-1**	**0**	**-1**	-1	-1	-2	-2	-2
40	0	0	**0**	0	0	0	0	0	0	0	0	-1	0	0	**0**	**-1**	**-1**	-1	-1	-2	-2	-2
50	0	0	**0**	0	0	0	0	0	-1	0	0	0	0	0	**0**	**-1**	**-1**	-1	-1	-2	-2	-2
60	0	0	**0**	0	0	0	0	0	-1	-1	-1	-1	0	0	**0**	**-1**	**-2**	-1	-1	-2	-2	-2
70	0	0	**0**	0	0	0	0	-1	-1	-1	-1	-1	-1	-1	**0**	**-1**	**-2**	-1	-1	-3	-2	-2
80	0	0	**0**	0	0	0	0	-1	-1	-1	-1	-1	-2	-2	**0**	**-1**	**-2**	-1	-1	-3	-3	-3
90	0	0	**0**	0	0	-1	-1	-1	-1	-2	-2	-1	-2	-2	**0**	**-1**	**-2**	-1	-1	-3	-3	-3
100	0	0	**0**	0	-1	-1	-1	-1	-1	-2	-2	-1	-2	-2	**0**	**-1**	**-2**	-1	-1	-3	-3	-4
110	0	0	**0**	-1	-1	-2	-2	-1	-1	-2	-2	-1	-3	-3	**0**	**-1**	**-2**	-1	-1	-3	-3	-4
120	0	0	**0**	-2	-2	-2	-2	-1	-1	-2	-2	-1	-3	-3	**0**	**-1**	**-3**	-1	-1	-2	-3	-4
130	0	0	**0**	-2	-1	-1	-1	-1	-1	-2	-2	-1	-4	-4	**0**	**-1**	**-3**	-1	-1	-2	-3	-4
140	0	0	**0**	-1	-1	-2	-2	-1	-1	-2	-3	-1	-4	-5	**0**	**-1**	**-3**	-1	-1	-2	-3	-4
150	0	-2	**-2**	-1	-1	-2	-2	-1	-1	-2	-3	-1	-5	-5	**0**	**-1**	**-3**	-1	-1	-2	-3	-3
160	0	-2	**-2**	-2	-1	-2	-3	-2	-1	-3	-3	-1	-5	-5	**0**	**-1**	**-3**	-1	-1	-2	-2	-3
170	-1	-2	**-2**	-2	-1	-3	-3	-2	-1	-3	-3	-1	-5	-6	**0**	**-1**	**-3**	-1	-1	-2	-2	-3
180	-1	-2	**-1**	-2	-1	-3	-4	-2	-1	-3	-3	-1	-5	-5	**0**	**-1**	**-2**	-1	-1	-2	-2	-2
190	-2	-3	**-1**	-3	-2	-3	-4	-2	-1	-3	-3	-1	-4	-5	**0**	**-1**	**-2**	-1	-1	-1	-2	-2
200	-2	-4	**-1**	-3	-2	-3	-4	-2	-1	-2	-3	-1	-4	-5	**0**	**0**	**-2**	-1	-1	-1	-2	-2
210	-3	-5	**-1**	-3	-2	-3	-4	-2	-1	-2	-3	-1	-4	-4	**0**	**0**	**-2**	-1	-1	0	-1	-2

Wind Direction	NSR ID																				
	NSR01	NSR03	NSR04	NSR08	NSR09	NSR11	NSR12	NSR13	NSR14	NSR15	NSR16	NSR17	NSR20	NSR21	NSR23	NSR24	NSR25	NSR26	NSR27	NSR28	NSR33	NSR34
	Directivity Correction, dB																					
220	-3	-5	**-1**	-3	-2	-3	-4	-2	-1	-2	-3	-1	-3	-4	**0**	**-1**	**-2**	-1	-1	0	-1	-1
230	-4	-6	**-1**	-3	-2	-3	-3	-2	-2	-2	-2	-1	-3	-3	**0**	**-1**	**-2**	-1	0	0	-1	-1
240	-5	-6	**-1**	-3	-2	-2	-3	-2	-2	-2	-2	-1	-2	-3	**0**	**-1**	**-1**	0	0	0	0	0
250	-5	-6	**-1**	-2	-1	-2	-3	-2	-2	-1	-2	-1	-2	-2	**0**	**0**	**-1**	0	0	0	0	0
260	-6	-6	**-1**	-2	-1	-2	-2	-2	-1	-1	-1	-1	-2	-2	**0**	**0**	**0**	0	0	0	0	0
270	-6	-6	**-1**	-2	-1	-2	-3	-2	-1	-1	-1	-1	-1	-1	**0**	**0**	**0**	0	0	0	0	0
280	-6	-5	**-1**	-2	-2	-2	-2	-1	-1	-1	-1	0	0	-1	**0**	**0**	**0**	0	0	0	0	0
290	-6	-5	**-1**	-2	-2	-2	-2	-1	-1	-1	-1	0	0	0	**0**	**0**	**0**	0	0	0	0	0
300	-6	-4	**-1**	-2	-2	-1	-1	-1	-1	0	0	0	0	0	**0**	**0**	**0**	0	0	0	0	0
310	-6	-3	**-1**	-2	-1	-1	-1	0	0	0	0	0	0	0	**0**	**0**	**0**	0	0	0	0	0
320	-5	-3	**-1**	-1	0	0	0	0	0	0	0	0	0	0	**0**	**0**	**0**	0	0	0	0	0
330	-4	-2	**-2**	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**	**0**	0	0	0	0	0
340	-3	-2	**-2**	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**	**0**	0	0	-1	0	0
350	-3	-2	**-2**	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**	**0**	0	-1	-1	0	0