



## **TECHNICAL APPENDIX 13.8: CONSTRUCTION NOISE ASSESSMENT**

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**1.1 Construction Noise Assessment**

NSR	Shortest distance to geometric centre of site (m)	Platform Works SPL at Receptor (dB)	Construction Noise Limit Exceedance	Civils Works SPL at Receptor (dB)	Construction Noise Limit Exceedance	Transformer Installation SPL at Receptor (dB)	Construction Noise Limit Exceedance	Balance of Plant SPL at Receptor (dB)	Construction Noise Limit Exceedance
Beanacharan	885	60	5	54	-1	34	-21	42	-13
Parkhill	1426	55	0	50	-5	29	-26	38	-17
Faichfield Croft	1730	53	-2	48	-7	27	-28	36	-19
Faichfield House	1818	53	-2	47	-8	27	-28	35	-20
Flushing	1107	57	2	52	-3	31	-24	40	-15
Greenbank Mill of Tiffery	598	63	8	58	3	37	-18	46	-9

**Table 1.1 BS 5228-1 Assessment – HVDC Switching Station – Evenings and Weekend**

NSR	Shortest distance to geometric centre of site (m)	Platform Works SPL at Receptor (dB)	Construction Noise Limit Exceedance	Civils Works SPL at Receptor (dB)	Construction Noise Limit Exceedance	Transformer Installation SPL at Receptor (dB)	Construction Noise Limit Exceedance	Balance of Plant SPL at Receptor (dB)	Construction Noise Limit Exceedance
Beanacharan	910	59	4	54	-1	33	-22	42	-13
Parkhill	913	59	4	54	-1	33	-22	42	-13
Faichfield Croft	1235	56	1	51	-4	30	-25	39	-16
Faichfield House	1415	55	0	50	-5	29	-26	38	-17
Flushing	1030	58	3	53	-2	32	-23	41	-14
Greenbank Mill of Tiffery	1127	57	2	52	-3	31	-24	40	-15

**Table Error! No text of specified style in document..1 BS 5228-1 Assessment – Eastern Green Link 3 HVDC Converter Station – Evenings and Weekends**

NSR	Shortest distance to geometric centre of site (m)	Platform Works SPL at Receptor (dB)	Construction Noise Limit Exceedance	Civils Works SPL at Receptor (dB)	Construction Noise Limit Exceedance	Transformer Installation SPL at Receptor (dB)	Construction Noise Limit Exceedance	Balance of Plant SPL at Receptor (dB)	Construction Noise Limit Exceedance
Beanacharan	1245	56	1	51	-4	30	-25	39	-16
Parkhill	844	60	5	55	0	34	-21	43	-12
Faichfield Croft	1118	57	2	52	-3	31	-24	40	-15
Faichfield House	1181	57	2	51	-4	31	-24	40	-15
Flushing	678	62	7	57	2	36	-19	45	-10
Greenbank Mill of Tiffery	1108	57	2	52	-3	31	-24	40	-15

**Table Error! No text of specified style in document..2 BS 5228-1 Assessment – Spittal to Peterhead HVDC Converter Station – Evenings and Weekends**

NSR	Shortest distance to geometric centre of site (m)	Platform Works SPL at Receptor (dB)	Construction Noise Limit Exceedance	Civils Works SPL at Receptor (dB)	Construction Noise Limit Exceedance	Transformer Installation SPL at Receptor (dB)	Construction Noise Limit Exceedance	Balance of Plant SPL at Receptor (dB)	Construction Noise Limit Exceedance
Beanacharan	1147	57	2	52	-3	31	-24	40	-15
Parkhill	550	64	9	59	4	38	-17	47	-8
Faichfield Croft	878	60	5	54	-1	34	-21	42	-13
Faichfield House	1220	57	2	51	-4	30	-25	39	-16
Flushing	1288	56	1	51	-4	30	-25	39	-16
Greenbank Mill of Tiffery	1670	53	-2	48	-7	27	-28	36	-19

**Table Error! No text of specified style in document..3 BS 5228-1 Assessment – 400 kV and 132 kV AC Substation – Evenings and Weekends**

NSR	Shortest distance to geometric centre of site (m)	Platform Works SPL at Receptor (dB)	Construction Noise Limit Exceedance	Civils Works SPL at Receptor (dB)	Construction Noise Limit Exceedance	Transformer Installation SPL at Receptor (dB)	Construction Noise Limit Exceedance	Balance of Plant SPL at Receptor (dB)	Construction Noise Limit Exceedance
Beanacharan	1350	56	1	50	-5	29	-26	38	-17
Parkhill	483	66	11	60	5	40	-15	48	-7
Faichfield Croft	785	61	6	55	0	35	-20	44	-11
Faichfield House	955	59	4	53	-2	33	-22	42	-13
Flushing	905	59	4	54	-1	33	-22	42	-13
Greenbank Mill of Tiffery	1460	55	0	49	-6	29	-26	38	-17

**Table 1.5 BS 5228-1 Assessment – Operations Depot and Spares Building – Evenings and Weekends**