

## TECHNICAL APPENDIX 13.5: CUMULATIVE ASSESSMENT

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## CUMULATIVE ASSESSMENT - DAYTIME - WET CONDITIONS

NSR	Easting	Northing	Kinotre Tealing 400 kV OHL - Distance (m)	Kinotre Tealing 400 kV OHL - Wet Noise Level (dBA)	Alyth to Tealing 275 kV OHL tie-in - Distance (m)	Alyth to Tealing 275 kV OHL tie-in - Wet Noise Level (dBA)	Westfield to Tealing 275 kV OHL tie-in - Distance (m)	Westfield to Tealing 275 kV OHL tie-in - Wet Noise Level (dBA)	Total OHL Wet Noise (dBA)	Daytime Proposed Development Operational Noise - Including Cooling (dBA)	Total Cumulative Noise (dBA)	Rating Level	Daytime - Wet Background Noise	Excess
NSR 1.1	338326	738264	161	24	252	32	880	17	33	23	34	34	39	-5
NSR 1.2	339177	738092	354	17	490	25	648	20	27	29.6	31	31	41	-10
NSR 1.3	339005	736724	-	-	-	-	-	-	-	-	-	-	-	-
NSR 1.4	338276	737015	1011	4	792	16	331	32	32	23.6	32	32	38	-6
NSR 1.5	337596	738030	607	8	478	25	760	19	26	15.7	26	26	39	-13
NSR 2.1	338744	738288	306	18	404	27	759	19	28	23.2	30	30	38	-8
NSR 2.2	339537	738145	-	-	-	-	-	-	-	-	-	-	-	-
NSR 2.3	339839	737787	884	5	544	20	717	19	23	20.9	25	25	38	-13
NSR 2.4	339909	737318	1055	3	188	35	714	19	35	19.1	35	35	38	-3
NSR 2.5	339468	736737	1164	3	466	25	765	19	26	19.7	27	27	38	-11
NSR 2.6	337636	736966	1291	2	1206	13	298	33	33	17.5	33	33	38	-5
NSR 2.7	337560	738237	571	9	445	26	971	17	26	14.7	27	27	38	-11

## CUMULATIVE ASSESSMENT - DAYTIME - DRY CONDITIONS

NSR	Easting	Northing	Kintore Tealing 400 kV OHL - Distance (m)	Kintore Tealing 400 kV OHL - Dry Noise Level (dBA)	Alyth to Tealing 275 kV OHL tie-in - Distance (m)	Alyth to Tealing 275 kV OHL tie-in - Dry Noise Level (dBA)	Westfield to Tealing 275 kV OHL tie-in - Distance (m)	Westfield to Tealing 275 kV OHL tie-in - Dry Noise Level (dBA)	Total OHL Dry Noise (dBA)	Daytime - Proposed Development Operational Noise – Including Cooling (dBA)	Total Cumulative Noise (dBA)	Rating Level	Daytime - Dry Background Noise (dBA)	Excess
NSR 1.1	338326	738264	161	-1	252	7	880	-8	9	23	23	23	34	-11
NSR 1.2	339177	738092	354	-8	490	0	648	-5	4	29.6	30	30	39	-9
NSR 1.3	339005	736724	-	-	-	-	-	-	-	-	-	-	-	-
NSR 1.4	338276	737015	1011	-21	792	-9	331	7	8	23.6	24	24	32	-8
NSR 1.5	337596	738030	607	-17	478	0	760	-6	4	15.7	16	16	36	-20
NSR 2.1	338744	738288	306	-7	404	2	759	-6	5	23.2	23	23	32	-9
NSR 2.2	339537	738145	-	-	-	-	-	-	-	-	-	-	-	-
NSR 2.3	339839	737787	884	-20	544	-5	717	-6	2	20.9	21	21	32	-11
NSR 2.4	339909	737318	1055	-22	188	10	714	-6	10	19.1	20	20	32	-12
NSR 2.5	339468	736737	1164	-22	466	0	765	-6	4	19.7	20	20	32	-12
NSR 2.6	337636	736966	1291	-23	1206	-12	298	8	8	17.5	18	18	32	-14
NSR 2.7	337560	738237	571	-16	445	1	971	-8	4	14.7	15	15	32	-17

## CUMULATIVE ASSESSMENT - NIGHTTIME - WET CONDITIONS

NSR	Easting	Northing	Kintore Tealing 400 kV OHL - Distance (m)	Kintore Tealing 400 kV OHL - Wet Noise Level (dBA)	Alyth to Tealing 275 kV OHL tie-in - Distance (m)	Alyth to Tealing 275 kV OHL tie-in - Wet Noise Level (dBA)	Westfield to Tealing 275 kV OHL tie-in - Distance (m)	Westfield to Tealing 275 kV OHL tie-in - Wet Noise Level (dBA)	Total OHL Wet Noise (dBA)	Nighttime Proposed Development Operational Noise - Excluding Cooling (dBA)	Total Cumulative Noise (dBA)	Rating Level	Nighttime - Wet Background Noise	Excess
NSR 1.1	338326	738264	161	24	252	32	880	17	33	15	33	39	37	2
NSR 1.2	339177	738092	354	17	490	25	648	20	27	21	28	34	37	-3
NSR 1.3	339005	736724	-	-	-	-	-	-	-	-	-	-	-	-
NSR 1.4	338276	737015	1011	4	792	16	331	32	32	14	32	38	37	1
NSR 1.5	337596	738030	607	8	478	25	760	19	26	9	26	32	37	-5
NSR 2.1	338744	738288	306	18	404	27	759	19	28	17	29	35	37	-2
NSR 2.2	339537	738145	-	-	-	-	-	-	-	-	-	-	-	-
NSR 2.3	339839	737787	884	5	544	20	717	19	23	13	23	29	37	-8
NSR 2.4	339909	737318	1055	3	188	35	714	19	35	11	35	41	37	4
NSR 2.5	339468	736737	1164	3	466	25	765	19	26	11	26	32	37	-5
NSR 2.6	337636	736966	1291	2	1206	13	298	33	33	10	33	39	37	2
NSR 2.7	337560	738237	571	9	445	26	971	17	26	8	27	33	38	-5

## CUMULATIVE ASSESSMENT - NIGHTTIME - DRY CONDITIONS

NSR	Easting	Northing	Kintore Tealing 400 kV OHL - Distance (m)	Kintore Tealing 400 kV OHL - Dry Noise Level (dBA)	Alyth to Tealing 275 kV OHL tie-in - Distance (m)	Alyth to Tealing 275 kV OHL tie-in - Dry Noise Level (dBA)	Westfield to Tealing 275 kV OHL tie-in - Distance (m)	Westfield to Tealing 275 kV OHL tie-in - Dry Noise Level (dBA)	Total OHL Dry Noise (dBA)	Nighttime - Proposed Development Operational Noise (dBA)	Total Cumulative Noise (dBA)	Rating Level	Nighttime - Dry Background Noise (dBA)	Excess
NSR 1.1	338326	738264	161	-1	252	7	880	-8	9	15	16	22	24	-2
NSR 1.2	339177	738092	354	-8	490	0	648	-5	4	21	21	27	23	4
NSR 1.3	339005	736724	-	-	-	-	-	-	-	-	-	-	-	-
NSR 1.4	338276	737015	1011	-21	792	-9	331	7	8	14	15	21	23	-2
NSR 1.5	337596	738030	607	-17	478	0	760	-6	4	9	10	16	22	-6
NSR 2.1	338744	738288	306	-7	404	2	759	-6	5	17	17	23	23	0
NSR 2.2	339537	738145	-	-	-	-	-	-	-	-	-	-	-	-
NSR 2.3	339839	737787	884	-20	544	-5	717	-6	2	13	13	19	21	-2
NSR 2.4	339909	737318	1055	-22	188	10	714	-6	10	11	14	20	22	-2
NSR 2.5	339468	736737	1164	-22	466	0	765	-6	4	11	12	18	22	-4
NSR 2.6	337636	736966	1291	-23	1206	-12	298	8	8	10	12	18	21	-3
NSR 2.7	337560	738237	571	-16	445	1	971	-8	4	8	9	15	30	-15