

Consultancy Agreement No. NEX/2301  
 South Island Line (East)  
 Environmental Impact Assessment

Fixed Plant Noise Assessment for  
 ADM Station (Daytime)

Appendix 3.11a1

NSR ID	Description	Plant Inventory	Source ID	Source Height (mPD)	SWL, dB(A)	Receiver Height (mPD)	Distance (m)	Source - receiver	Slant Distance (m)	Distance Attenuation dB(A)	Screening Correction dB(A)	Facade Correction dB(A)	SPL, L <sub>eq(30min)</sub> , dB(A)	Resultant SPL, L <sub>eq(30min)</sub> , dB(A)	Daytime Design Target, dB(A)
PH	Paget House	Block A	ADM A1	17.9	97	30.1	194	-12.3	195	-54	0	3	46	59	59
			ADM A2	17.9	97	30.1	194	-12.3	194	-54	0	3	46		
			ADM A3	17.9	97	30.1	196	-12.3	196	-54	-10	3	36		
			ADM A4	17.9	97	30.1	197	-12.3	197	-54	-10	3	36		
		Block B	ADM B1	17.9	96	30.1	186	-12.3	187	-53	0	3	46		
			ADM B2	13.5	96	30.1	183	-16.6	184	-53	0	3	46		
			ADM B3	17.9	96	30.1	186	-12.3	186	-53	0	3	46		
			ADM B4	17.9	96	30.1	187	-12.3	188	-53	-10	3	36		
			ADM B5	17.9	96	30.1	188	-12.3	189	-54	-10	3	35		
		Block C	ADM C1	17.9	96	30.1	178	-12.3	178	-53	0	3	46		
			ADM C2	13.5	96	30.1	175	-16.6	176	-53	0	3	46		
			ADM C3	17.9	96	30.1	177	-12.3	177	-53	0	3	46		
			ADM C4	17.9	96	30.1	179	-12.3	179	-53	-10	3	36		
			ADM C5	17.9	96	30.1	180	-12.3	180	-53	-10	3	36		
		Block D	ADM D1	13.2	96	30.1	176	-17.0	177	-53	0	3	46		
			ADM D2	15.1	96	30.1	179	-15.0	180	-53	-10	3	36		
			ADM D3	15.1	96	30.1	180	-15.0	180	-53	-10	3	36		
			ADM D4	15.1	96	30.1	177	-15.0	177	-53	0	3	46		
		Block E	ADM E1	18.1	97	30.1	187	-12.0	187	-53	0	3	47		
			ADM E2	18.1	97	30.1	190	-12.0	190	-54	-10	3	36		
			ADM E3	18.1	97	30.1	190	-12.0	190	-54	-10	3	36		
			ADM E4	18.1	97	30.1	187	-12.0	187	-53	0	3	47		
			ADM E5	15.7	97	30.1	188	-14.5	188	-54	0	3	46		
			ADM E6	15.5	97	30.1	190	-14.7	190	-54	-10	3	36		
			ADM E7	15.5	97	30.1	190	-14.7	190	-54	-10	3	36		
			ADM E8	15.5	97	30.1	188	-14.7	189	-54	0	3	46		
			ADM E9	13.6	97	30.1	193	-16.5	194	-54	-10	3	36		
			ADM E10	13.6	97	30.1	183	-16.5	183	-53	0	3	47		
		Block F	ADM F1	23.1	97	30.1	184	-7.0	184	-53	0	3	47		
			ADM F2	23.1	97	30.1	186	-7.0	186	-53	-10	3	37		
			ADM F3	22.6	97	30.1	186	-7.5	186	-53	-10	3	37		
			ADM F4	23.1	97	30.1	155	-7.0	155	-52	0	3	48		
		Block G	ADM G1	17.1	97	30.1	197	-13.0	197	-54	0	3	46		
		Block N	ADM N1	16.1	97	30.1	204	-14.1	205	-54	0	3	46		

Consultancy Agreement No. NEX/2301  
 South Island Line (East)  
 Environmental Impact Assessment

Fixed Plant Noise Assessment for  
 ADM Station (Night-time)

Appendix 3.11a1

NSR ID	Description	Plant Inventory	Source ID	Source Height (mPD)	SWL, dB(A)	Receiver Height (mPD)	Distance (m)	Source - receiver	Slant Distance (m)	Distance Attenuation dB(A)	Screening Correction dB(A)	Facade Correction dB(A)	SPL, $L_{eq(30min)}$ , dB(A)	Resultant SPL, $L_{eq(30min)}$ , dB(A)	Nighttime Design Target, dB(A)
PH	Paget House	Block A	ADM A1	17.9	87	30.1	194	-12.3	195	-54	0	3	36	49	49
			ADM A2	17.9	87	30.1	194	-12.3	194	-54	0	3	36		
			ADM A3	17.9	87	30.1	196	-12.3	196	-54	-10	3	26		
			ADM A4	17.9	87	30.1	197	-12.3	197	-54	-10	3	26		
		Block B	ADM B1	17.9	86	30.1	186	-12.3	187	-53	0	3	36		
			ADM B2	13.5	86	30.1	183	-16.6	184	-53	0	3	36		
			ADM B3	17.9	86	30.1	186	-12.3	186	-53	0	3	36		
			ADM B4	17.9	86	30.1	187	-12.3	188	-53	-10	3	26		
			ADM B5	17.9	86	30.1	188	-12.3	189	-54	-10	3	25		
		Block C	ADM C1	17.9	86	30.1	178	-12.3	178	-53	0	3	36		
			ADM C2	13.5	86	30.1	175	-16.6	176	-53	0	3	36		
			ADM C3	17.9	86	30.1	177	-12.3	177	-53	0	3	36		
			ADM C4	17.9	86	30.1	179	-12.3	179	-53	-10	3	26		
			ADM C5	17.9	86	30.1	180	-12.3	180	-53	-10	3	26		
		Block D	ADM D1	13.2	86	30.1	176	-17.0	177	-53	0	3	36		
			ADM D2	15.1	86	30.1	179	-15.0	180	-53	-10	3	26		
			ADM D3	15.1	86	30.1	180	-15.0	180	-53	-10	3	26		
			ADM D4	15.1	86	30.1	177	-15.0	177	-53	0	3	36		
		Block E	ADM E1	18.1	87	30.1	187	-12.0	187	-53	0	3	37		
			ADM E2	18.1	87	30.1	190	-12.0	190	-54	-10	3	26		
			ADM E3	18.1	87	30.1	190	-12.0	190	-54	-10	3	26		
			ADM E4	18.1	87	30.1	187	-12.0	187	-53	0	3	37		
			ADM E5	15.7	87	30.1	188	-14.5	188	-54	0	3	36		
			ADM E6	15.5	87	30.1	190	-14.7	190	-54	-10	3	26		
			ADM E7	15.5	87	30.1	190	-14.7	190	-54	-10	3	26		
			ADM E8	15.5	87	30.1	188	-14.7	189	-54	0	3	36		
			ADM E9	13.6	87	30.1	193	-16.5	194	-54	-10	3	26		
			ADM E10	13.6	87	30.1	183	-16.5	183	-53	0	3	37		
		Block F	ADM F1	23.1	87	30.1	184	-7.0	184	-53	0	3	37		
			ADM F2	23.1	87	30.1	186	-7.0	186	-53	-10	3	27		
			ADM F3	22.6	87	30.1	186	-7.5	186	-53	-10	3	27		
			ADM F4	23.1	87	30.1	155	-7.0	155	-52	0	3	38		
		Block G	ADM G1	17.1	87	30.1	197	-13.0	197	-54	0	3	36		
		Block N	ADM N1	16.1	87	30.1	204	-14.1	205	-54	0	3	36		

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Fixed Plant Noise Assessment for  
 Hong Kong Park Shaft (Daytime)

Appendix 3.11a2

NSR ID	Description	Plant Inventory	Source ID	Source Height (mPD)	SWL, dB(A)	Receiver Height (mPD)	Slant Distance (m)	Distance Attenuation dB(A)	Screening Correction dB(A)	Facade Correction dB(A)	SPL, $L_{eq(30min)}$ , dB(A)	Resultant SPL, $L_{eq(30min)}$ , dB(A)	Daytime Design Target, dB(A)
NLH	Jockey Club New Life Hostel	Hong Kong Park Shaft	HKP01	44.5	96	83.8	134	-51	0	3	48	54	57
			HKP02	40.3	96	83.8	110	-49	0	3	50		
			HKP03	40.1	96	83.8	118	-49	0	3	50		
			HKP04	40.3	96	83.8	118	-49	-10	3	40		
			HKP05	42.6	96	83.8	119	-49	-10	3	40		
RP	Regent on the Park	Hong Kong Park Shaft	HKP01	44.5	96	67.4	67	-45	-10	3	44	57	57
			HKP02	40.3	96	67.4	84	-46	-10	3	43		
			HKP03	40.1	96	67.4	88	-47	-10	3	42		
			HKP04	40.3	96	67.4	83	-46	0	3	53		
			HKP05	42.6	96	67.4	76	-46	0	3	53		

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Fixed Plant Noise Assessment for  
 Hong Kong Park Shaft (Night-time)

Appendix 3.11a2

NSR ID	Description	Plant Inventory	Source ID	Source Height (mPD)	SWL, dB(A)	Receiver Height (mPD)	Slant Distance (m)	Distance Attenuation dB(A)	Screening Correction dB(A)	Facade Correction dB(A)	SPL, $L_{eq(30min)}$ , dB(A)	Resultant SPL, $L_{eq(30min)}$ , dB(A)	Nighttime Design Target, dB(A)
NLH	Jockey Club New Life Hostel	Hong Kong Park Shaft	HKP01	44.5	86	83.8	134	-51	0	3	38	44	47
			HKP02	40.3	86	83.8	110	-49	0	3	40		
			HKP03	40.1	86	83.8	118	-49	0	3	40		
			HKP04	40.3	86	83.8	118	-49	-10	3	30		
			HKP05	42.6	86	83.8	119	-49	-10	3	30		
RP	Regent on the Park	Hong Kong Park Shaft	HKP01	44.5	86	67.4	67	-45	-10	3	34	47	47
			HKP02	40.3	86	67.4	84	-46	-10	3	33		
			HKP03	40.1	86	67.4	88	-47	-10	3	32		
			HKP04	40.3	86	67.4	83	-46	0	3	43		
			HKP05	42.6	86	67.4	76	-46	0	3	43		

Consultancy Agreement No. NEX/2301  
 South Island Line (East)  
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Fixed Plant Noise Assessment for  
 Nam Fung Portal Ventilation Building (Daytime)

Appendix 3.11b

NSR ID	Description	Plant Inventory	Source ID	Source Height (mPD)	SWL, dB(A)	Receiver Height (mPD)	Slant Distance (m)	Distance Attenuation dB(A)	Screening Correction dB(A)	Facade Correction dB(A)	SPL, $L_{eq(30min)}$ , dB(A)	Resultant SPL, $L_{eq(30min)}$ , dB(A)	Daytime Noise Criteria, dB(A)
SFE1	Wong Chuk Hang Services for the Elderly	Nam Fung Portal Ventilation Building	NAM 01	47.7	84	24.0	151	-52	0	3	35	44	65
			NAM 02	46.5	84	24.0	154	-52	0	3	35		
			NAM 03	51.6	93	24.0	154	-52	-10	3	34		
			NAM 04	51.6	93	24.0	167	-52	-10	3	34		
			NAM 05	46.8	93	24.0	160	-52	-10	3	34		
			NAM 06	47.4	93	24.0	185	-53	-10	3	33		
			NAM 07	42.6	93	24.0	149	-51	-10	3	35		
			NAM 08	42.8	93	24.0	186	-53	-10	3	33		
			NAM 09	42.6	84	24.0	132	-50	-10	3	27		
			NAM 10	42.6	84	24.0	137	-51	-10	3	26		
			NAM 11	40.5	84	24.0	137	-51	-10	3	26		
			NAM 12	51.5	84	24.0	193	-54	0	3	33		
KW1	Wong Chuk Hang Kau Wai (No. 1)	Nam Fung Portal Ventilation Building	NAM 01	47.7	84	27.2	133	-50	0	3	37	47	60
			NAM 02	46.5	84	27.2	129	-50	0	3	37		
			NAM 03	51.6	93	27.2	131	-50	-10	3	36		
			NAM 04	51.6	93	27.2	118	-49	-10	3	37		
			NAM 05	46.8	93	27.2	123	-50	-10	3	36		
			NAM 06	47.4	93	27.2	98	-48	-10	3	38		
			NAM 07	42.6	93	27.2	133	-50	-10	3	36		
			NAM 08	42.8	93	27.2	96	-48	-10	3	38		
			NAM 09	42.6	84	27.2	150	-52	0	3	35		
			NAM 10	42.6	84	27.2	145	-51	0	3	36		
			NAM 11	40.5	84	27.2	144	-51	0	3	36		
			NAM 12	51.5	84	27.2	92	-47	-10	3	30		
EX2	Ex-Canadian Site	Nam Fung Portal Ventilation Building	NAM 01	47.7	84	28.0	29	-37	0	3	50	60	60
			NAM 02	46.5	84	28.0	25	-36	0	3	51		
			NAM 03	51.6	93	28.0	30	-38	-10	3	48		
			NAM 04	51.6	93	28.0	24	-36	-10	3	50		
			NAM 05	46.8	93	28.0	23	-35	-10	3	51		
			NAM 06	47.4	93	28.0	25	-36	-10	3	50		
			NAM 07	42.6	93	28.0	28	-37	-10	3	49		
			NAM 08	42.8	93	28.0	24	-36	-10	3	50		
			NAM 09	42.6	84	28.0	42	-40	0	3	47		
			NAM 10	42.6	84	28.0	37	-39	0	3	48		
			NAM 11	40.5	84	28.0	36	-39	0	3	48		
			NAM 12	51.5	84	28.0	31	-38	0	3	49		

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Fixed Plant Noise Assessment for  
 Nam Fung Portal Ventilation Building (Night-time)

Appendix 3.11b

NSR ID	Description	Plant Inventory	Source ID	Source Height (mPD)	SWL, dB(A)	Receiver Height (mPD)	Slant Distance (m)	Distance Attenuation dB(A)	Screening Correction dB(A)	Facade Correction dB(A)	SPL, $L_{eq(30min)}$ , dB(A)	Resultant SPL, $L_{eq(30min)}$ , dB(A)	Nighttime Noise Criteria, dB(A)
SFE1	Wong Chuk Hang Services for the Elderly	Nam Fung Portal Ventilation Building	NAM 01	47.7	74	24.0	151	-52	0	3	25	34	55
			NAM 02	46.5	74	24.0	154	-52	0	3	25		
			NAM 03	51.6	83	24.0	154	-52	-10	3	24		
			NAM 04	51.6	83	24.0	167	-52	-10	3	24		
			NAM 05	46.8	83	24.0	160	-52	-10	3	24		
			NAM 06	47.4	83	24.0	185	-53	-10	3	23		
			NAM 07	42.6	83	24.0	149	-51	-10	3	25		
			NAM 08	42.8	83	24.0	186	-53	-10	3	23		
			NAM 09	42.6	74	24.0	132	-50	-10	3	17		
			NAM 10	42.6	74	24.0	137	-51	-10	3	16		
			NAM 11	40.5	74	24.0	137	-51	-10	3	16		
			NAM 12	51.5	74	24.0	193	-54	0	3	23		
KW1	Wong Chuk Hang Kau Wai (No. 1)	Nam Fung Portal Ventilation Building	NAM 01	47.7	74	27.2	133	-50	0	3	27	37	50
			NAM 02	46.5	74	27.2	129	-50	0	3	27		
			NAM 03	51.6	83	27.2	131	-50	-10	3	26		
			NAM 04	51.6	83	27.2	118	-49	-10	3	27		
			NAM 05	46.8	83	27.2	123	-50	-10	3	26		
			NAM 06	47.4	83	27.2	98	-48	-10	3	28		
			NAM 07	42.6	83	27.2	133	-50	-10	3	26		
			NAM 08	42.8	83	27.2	96	-48	-10	3	28		
			NAM 09	42.6	74	27.2	150	-52	0	3	25		
			NAM 10	42.6	74	27.2	145	-51	0	3	26		
			NAM 11	40.5	74	27.2	144	-51	0	3	26		
			NAM 12	51.5	74	27.2	92	-47	-10	3	20		
EX2	Ex-Canadian Site	Nam Fung Portal Ventilation Building	NAM 01	47.7	74	28.0	29	-37	0	3	40	50	50
			NAM 02	46.5	74	28.0	25	-36	0	3	41		
			NAM 03	51.6	83	28.0	30	-38	-10	3	38		
			NAM 04	51.6	83	28.0	24	-36	-10	3	40		
			NAM 05	46.8	83	28.0	23	-35	-10	3	41		
			NAM 06	47.4	83	28.0	25	-36	-10	3	40		
			NAM 07	42.6	83	28.0	28	-37	-10	3	39		
			NAM 08	42.8	83	28.0	24	-36	-10	3	40		
			NAM 09	42.6	74	28.0	42	-40	0	3	37		
			NAM 10	42.6	74	28.0	37	-39	0	3	38		
			NAM 11	40.5	74	28.0	36	-39	0	3	38		
			NAM 12	51.5	74	28.0	31	-38	0	3	39		

Consultancy Agreement No. NEX/2301  
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Fixed Plant Noise Assessment for  
 OCP Station (Daytime)

Appendix 3.11c

NSR ID	Description	Plant Inventory	Source ID	Source Height (mPD)	SWL, dB(A)	Receiver Height (mPD)	Slant Distance (m)	Distance Attenuation dB(A)	Screening Correction dB(A)	Facade Correction dB(A)	SPL, $L_{eq(30min)}$ , dB(A)	Resultant SPL, $L_{eq(30min)}$ , dB(A)	Daytime Noise Criteria, dB(A)
PC4	Police Shool Barrack	OCP Station	OCP 1	34.0	103	16.3	255	-56	0	3	50	60	60
PC4			OCP 2	19.2	103	16.3	276	-57	0	3	49		
PC4			OCP 3	13.6	103	16.3	248	-56	0	3	50		
PC4			OCP 4	13.6	103	16.3	258	-56	0	3	50		
PC4			OCP 5	13.6	103	16.3	262	-56	0	3	50		
PC4			OCP 6	12.8	100	16.3	321	-58	0	3	45		
PC4			OCP 7	12.8	100	16.3	325	-58	0	3	45		
PC4			OCP 8	12.6	100	16.3	330	-58	0	3	45		
PC4			OCP 9	12.6	100	16.3	332	-58	0	3	45		
PC4			OCP 10	12.6	100	16.3	338	-59	0	3	44		
PC4			OCP 11	9.8	100	16.3	321	-58	0	3	45		
PC4			OCP 12	19.2	103	16.3	206	-54	0	3	52		
PC4			OCP 13	10.5	103	16.3	206	-54	0	3	52		
PC4			OCP 14	20.0	0	16.3	333	-58	0	3	0		
SW2	San Wai	OCP Station	OCP 1	34.0	103	14.0	252	-56	0	3	50	61	65
SW2			OCP 2	19.2	103	14.0	239	-56	0	3	50		
SW2			OCP 3	13.6	103	14.0	276	-57	0	3	49		
SW2			OCP 4	13.6	103	14.0	265	-56	0	3	50		
SW2			OCP 5	13.6	103	14.0	261	-56	0	3	50		
SW2			OCP 6	12.8	100	14.0	198	-54	0	3	49		
SW2			OCP 7	12.8	100	14.0	195	-54	0	3	49		
SW2			OCP 8	12.6	100	14.0	189	-54	0	3	49		
SW2			OCP 9	12.6	100	14.0	188	-53	0	3	50		
SW2			OCP 10	12.6	100	14.0	182	-53	0	3	50		
SW2			OCP 11	9.8	100	14.0	198	-54	0	3	49		
SW2			OCP 12	19.2	0	14.0	276	-57	0	3	0		
SW2			OCP 13	10.5	0	14.0	275	-57	0	3	0		
SW2			OCP 14	20.0	103	14.0	152	-52	0	3	54		

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Fixed Plant Noise Assessment for  
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Appendix 3.11c

NSR ID	Description	Plant Inventory	Source ID	Source Height (mPD)	SWL, dB(A)	Receiver Height (mPD)	Slant Distance (m)	Distance Attenuation dB(A)	Screening Correction dB(A)	Facade Correction dB(A)	SPL, L <sub>eq(30min)</sub> , dB(A)	Resultant SPL, L <sub>eq(30min)</sub> , dB(A)	Daytime Noise Criteria, dB(A)
PC4	Police Shool Barrack	OCP Station	OCP 1	34.0	93	16.3	255	-56	0	3	40	50	50
PC4			OCP 2	19.2	93	16.3	276	-57	0	3	39		
PC4			OCP 3	13.6	93	16.3	248	-56	0	3	40		
PC4			OCP 4	13.6	93	16.3	258	-56	0	3	40		
PC4			OCP 5	13.6	93	16.3	262	-56	0	3	40		
PC4			OCP 6	12.8	90	16.3	321	-58	0	3	35		
PC4			OCP 7	12.8	90	16.3	325	-58	0	3	35		
PC4			OCP 8	12.6	90	16.3	330	-58	0	3	35		
PC4			OCP 9	12.6	90	16.3	332	-58	0	3	35		
PC4			OCP 10	12.6	90	16.3	338	-59	0	3	34		
PC4			OCP 11	9.8	90	16.3	321	-58	0	3	35		
PC4			OCP 12	19.2	93	16.3	206	-54	0	3	42		
PC4			OCP 13	10.5	93	16.3	206	-54	0	3	42		
PC4			OCP 14	20.0	0	16.3	333	-58	0	3	0		
SW2	San Wai	OCP Station	OCP 1	34.0	93	14.0	252	-56	0	3	40	51	55
SW2			OCP 2	19.2	93	14.0	239	-56	0	3	40		
SW2			OCP 3	13.6	93	14.0	276	-57	0	3	39		
SW2			OCP 4	13.6	93	14.0	265	-56	0	3	40		
SW2			OCP 5	13.6	93	14.0	261	-56	0	3	40		
SW2			OCP 6	12.8	90	14.0	198	-54	0	3	39		
SW2			OCP 7	12.8	90	14.0	195	-54	0	3	39		
SW2			OCP 8	12.6	90	14.0	189	-54	0	3	39		
SW2			OCP 9	12.6	90	14.0	188	-53	0	3	40		
SW2			OCP 10	12.6	90	14.0	182	-53	0	3	40		
SW2			OCP 11	9.8	90	14.0	198	-54	0	3	39		
SW2			OCP 12	19.2	0	14.0	276	-57	0	3	0		
SW2			OCP 13	10.5	0	14.0	275	-57	0	3	0		
SW2			OCP 14	20.0	93	14.0	152	-52	0	3	44		



NSR ID	Description	Plant Inventory	Source ID	Source Height (mPD)	SWL, dB(A)	Receiver Height (mPD)	Slant Distance, m	Distance Attenuation dB(A)	Screening Correction dB(A)	Facade Correction dB(A)	SPL, Leq(30min) dB(A)	Resultant SPL, Leq(30min) dB(A)	Daytime Design Criteria dB(A)
SMH2	Little Sisters of St's Mary	Depot Facade	WCD1	23.0	92	20.5	84	-47	0	3	48	48	57
SMH2			WCD2	22.9	0	20.5	136	-51	0	3	0		
SMH2			WCD3	22.9	0	20.5	149	-51	0	3	0		
SMH2			WCD4	21.8	0	20.5	337	-59	0	3	0		
SMH2			WCD5	21.8	0	20.5	342	-59	0	3	0		
SMH2			WCD6	21.8	0	20.5	350	-59	0	3	0		
SMH2			WCD7	21.8	0	20.5	357	-59	0	3	0		
SMH2			WCD8	20.6	0	20.5	372	-59	0	3	0		
SMH2			WCD9	20.6	0	20.5	381	-60	0	3	0		
SMH2			WCD10	20.6	0	20.5	387	-60	0	3	0		
SMH2			WCD11	20.6	0	20.5	391	-60	0	3	0		
SMH3	Little Sisters of St's Mary	Depot Facade	WCD1	23.0	92	20.5	103	-48	0	3	47	47	57
SMH3			WCD2	22.9	0	20.5	156	-52	0	3	0		
SMH3			WCD3	22.9	0	20.5	168	-53	0	3	0		
SMH3			WCD4	21.8	0	20.5	334	-58	0	3	0		
SMH3			WCD5	21.8	0	20.5	339	-59	0	3	0		
SMH3			WCD6	21.8	0	20.5	346	-59	0	3	0		
SMH3			WCD7	21.8	0	20.5	353	-59	0	3	0		
SMH3			WCD8	20.6	0	20.5	367	-59	0	3	0		
SMH3			WCD9	20.6	0	20.5	375	-59	0	3	0		
SMH3			WCD10	20.6	0	20.5	381	-60	0	3	0		
SMH3			WCD11	20.6	0	18.6	145	-51	0	3	0		
CPS	San Wui School	Depot Facade	WCD1	23.0	92	18.6	65	-44	0	3	51	57	57
CPS			WCD2	22.9	84	18.6	20	-34	0	3	53		
CPS			WCD3	22.9	84	18.6	21	-34	0	3	53		
CPS			WCD4	21.8	0	18.6	296	-57	0	3	0		
CPS			WCD5	21.8	0	18.6	304	-58	0	3	0		
CPS			WCD6	21.8	0	18.6	313	-58	0	3	0		
CPS			WCD7	21.8	0	18.6	323	-58	0	3	0		
CPS			WCD8	20.6	0	18.6	341	-59	0	3	0		
CPS			WCD9	20.6	0	18.6	352	-59	0	3	0		
CPS			WCD10	20.6	0	18.6	359	-59	0	3	0		
CPS			WCD11	20.6	0	18.6	364	-59	0	3	0		
SIS1	Singapore International School	Depot Facade	WCD1	23.0	92	34.0	160	-52	0	3	43	45	57
SIS1			WCD2	22.9	84	34.0	110	-49	0	3	38		
SIS1			WCD3	22.9	84	34.0	100	-48	0	3	39		
SIS1			WCD4	21.8	0	34.0	329	-58	0	3	0		
SIS1			WCD5	21.8	0	34.0	337	-59	0	3	0		
SIS1			WCD6	21.8	0	34.0	347	-59	0	3	0		
SIS1			WCD7	21.8	0	34.0	357	-59	0	3	0		
SIS1			WCD8	20.6	0	34.0	376	-60	0	3	0		
SIS1			WCD9	20.6	0	34.0	388	-60	0	3	0		
SIS1			WCD10	20.6	0	34.0	395	-60	0	3	0		
SIS1			WCD11	20.6	0	34.0	400	-60	0	3	0		

NSR ID	Description	Plant Inventory	Source ID	Source Height (mPD)	SWL, dB(A)	Receiver Height (mPD)	Slant Distance, m	Distance Attenuation dB(A)	Screening Correction dB(A)	Facade Correction dB(A)	SPL, Leq(30min) dB(A)	Resultant SPL, Leq(30min) dB(A)	Daytime Design Criteria dB(A)
SIS2	Planned Singapore International School	Depot Facade	WCD1	23.0	92	35.2	186	-53	0	3	42		
SIS2			WCD2	22.9	84	35.2	136	-51	0	3	36		
SIS2			WCD3	22.9	84	35.2	123	-50	0	3	37		
SIS2			WCD4	21.8	0	35.2	251	-56	0	3	0		
SIS2			WCD5	21.8	0	35.2	260	-56	0	3	0		
SIS2			WCD6	21.8	0	35.2	270	-57	0	3	0		
SIS2			WCD7	21.8	0	35.2	280	-57	0	3	0		
SIS2			WCD8	20.6	0	35.2	298	-57	0	3	0		
SIS2			WCD9	20.6	0	35.2	310	-58	0	3	0		
SIS2			WCD10	20.6	0	35.2	317	-58	0	3	0		
SIS2			WCD11	20.6	0	35.2	322	-58	0	3	0		
PC1	Police School Quarters	Depot Facade	WCD1	23.0	0	16.7	284	-57	0	3	0		
PC1			WCD2	22.9	0	16.7	249	-56	0	3	0		
PC1			WCD3	22.9	0	16.7	239	-56	0	3	0		
PC1			WCD4	21.8	96	16.7	145	-51	0	3	48		
PC1			WCD5	21.8	96	16.7	152	-52	0	3	47		
PC1			WCD6	21.8	96	16.7	161	-52	0	3	47		
PC1			WCD7	21.8	96	16.7	169	-53	0	3	46		
PC1			WCD8	20.6	96	16.7	184	-53	0	3	46		
PC1			WCD9	20.6	96	16.7	194	-54	0	3	45		
PC1			WCD10	20.6	96	16.7	200	-54	0	3	45		
PC1			WCD11	20.6	96	16.7	204	-54	0	3	45		
PC2	Police School Quarters	Depot Facade	WCD1	23.0	0	16.7	289	-57	0	3	0		
PC2			WCD2	22.9	0	16.7	259	-56	0	3	0		
PC2			WCD3	22.9	0	16.7	249	-56	0	3	0		
PC2			WCD4	21.8	96	16.7	115	-49	0	3	50		
PC2			WCD5	21.8	96	16.7	122	-50	0	3	49		
PC2			WCD6	21.8	96	16.7	130	-50	0	3	49		
PC2			WCD7	21.8	96	16.7	138	-51	0	3	48		
PC2			WCD8	20.6	96	16.7	153	-52	0	3	47		
PC2			WCD9	20.6	96	16.7	162	-52	0	3	47		
PC2			WCD10	20.6	96	16.7	168	-53	0	3	46		
PC2			WCD11	20.6	96	16.7	173	-53	0	3	46		

NSR ID	Description	Plant Inventory	Source ID	Source Height (mPD)	SWL, dB(A)	Receiver Height (mPD)	Slant Distance, m	Distance Attenuation dB(A)	Screening Correction dB(A)	Facade Correction dB(A)	SPL, Leq(30min) dB(A)	Resultant SPL, Leq(30min) dB(A)	Nighttime Design Criteria dB(A)
SMH2	Little Sisters of St's Mary	Depot Facade	WCD1	23.0	82	20.5	84	-47	0	3	38		
SMH2			WCD2	22.9	0	20.5	136	-51	0	3	0		
SMH2			WCD3	22.9	0	20.5	149	-51	0	3	0		
SMH2			WCD4	21.8	0	20.5	337	-59	0	3	0		
SMH2			WCD5	21.8	0	20.5	342	-59	0	3	0		
SMH2			WCD6	21.8	0	20.5	350	-59	0	3	0		
SMH2			WCD7	21.8	0	20.5	357	-59	0	3	0		
SMH2			WCD8	20.6	0	20.5	372	-59	0	3	0		
SMH2			WCD9	20.6	0	20.5	381	-60	0	3	0		
SMH2			WCD10	20.6	0	20.5	387	-60	0	3	0		
SMH2			WCD11	20.6	0	20.5	391	-60	0	3	0		
SMH3	Little Sisters of St's Mary	Depot Facade	WCD1	23.0	82	20.5	103	-48	0	3	37		
SMH3			WCD2	22.9	0	20.5	156	-52	0	3	0		
SMH3			WCD3	22.9	0	20.5	168	-53	0	3	0		
SMH3			WCD4	21.8	0	20.5	334	-58	0	3	0		
SMH3			WCD5	21.8	0	20.5	339	-59	0	3	0		
SMH3			WCD6	21.8	0	20.5	346	-59	0	3	0		
SMH3			WCD7	21.8	0	20.5	353	-59	0	3	0		
SMH3			WCD8	20.6	0	20.5	367	-59	0	3	0		
SMH3			WCD9	20.6	0	20.5	375	-59	0	3	0		
SMH3			WCD10	20.6	0	20.5	381	-60	0	3	0		
SMH3			WCD11	20.6	0	18.6	145	-51	0	3	0		
CPS	San Wui School	Depot Facade	WCD1	23.0	82	18.6	65	-44	0	3	41		
CPS			WCD2	22.9	74	18.6	20	-34	0	3	43		
CPS			WCD3	22.9	74	18.6	21	-34	0	3	43		
CPS			WCD4	21.8	0	18.6	296	-57	0	3	0		
CPS			WCD5	21.8	0	18.6	304	-58	0	3	0		
CPS			WCD6	21.8	0	18.6	313	-58	0	3	0		
CPS			WCD7	21.8	0	18.6	323	-58	0	3	0		
CPS			WCD8	20.6	0	18.6	341	-59	0	3	0		
CPS			WCD9	20.6	0	18.6	352	-59	0	3	0		
CPS			WCD10	20.6	0	18.6	359	-59	0	3	0		
CPS			WCD11	20.6	0	18.6	364	-59	0	3	0		
SIS1	Singapore International School	Depot Facade	WCD1	23.0	82	34.0	160	-52	0	3	33		
SIS1			WCD2	22.9	74	34.0	110	-49	0	3	28		
SIS1			WCD3	22.9	74	34.0	100	-48	0	3	29		
SIS1			WCD4	21.8	0	34.0	329	-58	0	3	0		
SIS1			WCD5	21.8	0	34.0	337	-59	0	3	0		
SIS1			WCD6	21.8	0	34.0	347	-59	0	3	0		
SIS1			WCD7	21.8	0	34.0	357	-59	0	3	0		
SIS1			WCD8	20.6	0	34.0	376	-60	0	3	0		
SIS1			WCD9	20.6	0	34.0	388	-60	0	3	0		
SIS1			WCD10	20.6	0	34.0	395	-60	0	3	0		
SIS1			WCD11	20.6	0	34.0	400	-60	0	3	0		

NSR ID	Description	Plant Inventory	Source ID	Source Height (mPD)	SWL, dB(A)	Receiver Height (mPD)	Slant Distance, m	Distance Attenuation dB(A)	Screening Correction dB(A)	Facade Correction dB(A)	SPL, Leq(30min) dB(A)	Resultant SPL, Leq(30min) dB(A)	Nighttime Design Criteria dB(A)
SIS2	Planned Singapore International School	Depot Facade	WCD1	23.0	82	35.2	186	-53	0	3	32		
SIS2			WCD2	22.9	74	35.2	136	-51	0	3	26		
SIS2			WCD3	22.9	74	35.2	123	-50	0	3	27		
SIS2			WCD4	21.8	0	35.2	251	-56	0	3	0		
SIS2			WCD5	21.8	0	35.2	260	-56	0	3	0		
SIS2			WCD6	21.8	0	35.2	270	-57	0	3	0		
SIS2			WCD7	21.8	0	35.2	280	-57	0	3	0		
SIS2			WCD8	20.6	0	35.2	298	-57	0	3	0		
SIS2			WCD9	20.6	0	35.2	310	-58	0	3	0		
SIS2			WCD10	20.6	0	35.2	317	-58	0	3	0		
SIS2			WCD11	20.6	0	35.2	322	-58	0	3	0		
PC1	Police School Quarters	Depot Facade	WCD1	23.0	0	16.7	284	-57	0	3	0		
PC1			WCD2	22.9	0	16.7	249	-56	0	3	0		
PC1			WCD3	22.9	0	16.7	239	-56	0	3	0		
PC1			WCD4	21.8	86	16.7	145	-51	0	3	38		
PC1			WCD5	21.8	86	16.7	152	-52	0	3	37		
PC1			WCD6	21.8	86	16.7	161	-52	0	3	37		
PC1			WCD7	21.8	86	16.7	169	-53	0	3	36		
PC1			WCD8	20.6	86	16.7	184	-53	0	3	36		
PC1			WCD9	20.6	86	16.7	194	-54	0	3	35		
PC1			WCD10	20.6	86	16.7	200	-54	0	3	35		
PC1			WCD11	20.6	86	16.7	204	-54	0	3	35		
PC2	Police School Quarters	Depot Facade	WCD1	23.0	0	16.7	289	-57	0	3	0		
PC2			WCD2	22.9	0	16.7	259	-56	0	3	0		
PC2			WCD3	22.9	0	16.7	249	-56	0	3	0		
PC2			WCD4	21.8	86	16.7	115	-49	0	3	40		
PC2			WCD5	21.8	86	16.7	122	-50	0	3	39		
PC2			WCD6	21.8	86	16.7	130	-50	0	3	39		
PC2			WCD7	21.8	86	16.7	138	-51	0	3	38		
PC2			WCD8	20.6	86	16.7	153	-52	0	3	37		
PC2			WCD9	20.6	86	16.7	162	-52	0	3	37		
PC2			WCD10	20.6	86	16.7	168	-53	0	3	36		
PC2			WCD11	20.6	86	16.7	173	-53	0	3	36		

Consultancy Agreement No. NEX/2301  
 South Island Line (East)  
 Environmental Impact Assessment

Fixed Plant Noise Assessment for  
 LET Station Entrance B (Daytime)

Appendix 3.11e1

NSR ID	Description	Plant Inventory	Source ID	Source Height (mPD)	SWL, dB(A)	Receiver Height (mPD)	Slant Distance (m)	Distance Attenuation dB(A)	Screening Correction dB(A)	Facade Correction dB(A)	SPL, $L_{eq(30min)}$ , dB(A)	Resultant SPL, $L_{eq(30min)}$ , dB(A)	Daytime Noise Criteria, dB(A)
LTE4	Lei Tung Estate - Tung Mau House (4/F)	Entrance B of LET Station	LET 01	80	94	74.9	57	-43	0	3	54	60	60
			LET 02	80	94	74.9	57	-43	0	3	54		
			LET 03	80	94	74.9	68	-45	0	3	52		
			LET 04	80	94	74.9	75	-46	-10	3	41		
			LET 05	80	94	74.9	76	-46	-10	3	41		
			LET 06	80	94	74.9	79	-46	-10	3	41		
			LET 07	80	94	74.9	79	-46	-10	3	41		
			LET 08	75	93	74.9	70	-45	0	3	51		
			LET 09	75	93	74.9	75	-46	-10	3	40		
			LET 10	70	93	74.9	70	-45	0	3	51		
			LET 11	70	93	74.9	75	-46	-10	3	40		
LTE5	Lei Tung Estate - Tung Sing House (7/F)	Entrance B of LET Station	LET 01	80	94	75.8	89	-47	0	3	50	57	60
			LET 02	80	94	75.8	91	-47	0	3	50		
			LET 03	80	94	75.8	100	-48	-10	3	39		
			LET 04	80	94	75.8	95	-48	0	3	49		
			LET 05	80	94	75.8	105	-48	-10	3	39		
			LET 06	80	94	75.8	100	-48	-10	3	39		
			LET 07	80	94	75.8	99	-48	-10	3	39		
			LET 08	75	93	75.8	102	-48	-10	3	38		
			LET 09	75	93	75.8	95	-48	0	3	48		
			LET 10	70	93	75.8	102	-48	-10	3	38		
			LET 11	70	93	75.8	95	-48	0	3	48		

Consultancy Agreement No. NEX/2301  
 South Island Line (East)  
 Environmental Impact Assessment

Fixed Plant Noise Assessment for  
 LET Station Entrance B (Night- time)

Appendix 3.11e1

NSR ID	Description	Plant Inventory	Source ID	Source Height (mPD)	SWL, dB(A)	Receiver Height (mPD)	Slant Distance (m)	Distance Attenuation dB(A)	Screening Correction dB(A)	Facade Correction dB(A)	SPL, $L_{eq(30min)}$ , dB(A)	Resultant SPL, $L_{eq(30min)}$ , dB(A)	Nighttime Noise Criteria, dB(A)
LTE4	Lei Tung Estate - Tung Mau House (4/F)	Entrance B of LET Station	LET 01	80	84	74.9	57	-43	0	3	44	50	50
			LET 02	80	84	74.9	57	-43	0	3	44		
			LET 03	80	84	74.9	68	-45	0	3	42		
			LET 04	80	84	74.9	75	-46	-10	3	31		
			LET 05	80	84	74.9	76	-46	-10	3	31		
			LET 06	80	84	74.9	79	-46	-10	3	31		
			LET 07	80	84	74.9	79	-46	-10	3	31		
			LET 08	75	83	74.9	70	-45	0	3	41		
			LET 09	75	83	74.9	75	-46	-10	3	30		
			LET 10	70	83	74.9	70	-45	0	3	41		
			LET 11	70	83	74.9	75	-46	-10	3	30		
LTE5	Lei Tung Estate - Tung Sing House (7/F)	Entrance B of LET Station	LET 01	80	84	75.8	89	-47	0	3	40	47	50
			LET 02	80	84	75.8	91	-47	0	3	40		
			LET 03	80	84	75.8	100	-48	-10	3	29		
			LET 04	80	84	75.8	95	-48	0	3	39		
			LET 05	80	84	75.8	105	-48	-10	3	29		
			LET 06	80	84	75.8	100	-48	-10	3	29		
			LET 07	80	84	75.8	99	-48	-10	3	29		
			LET 08	75	83	75.8	102	-48	-10	3	28		
			LET 09	75	83	75.8	95	-48	0	3	38		
			LET 10	70	83	75.8	102	-48	-10	3	28		
			LET 11	70	83	75.8	95	-48	0	3	38		

**Consultancy Agreement No. NEX/2301  
South Island Line (East)  
Environmental Impact Assessment**

**Fixed Plant Noise Assessment for  
LET Station Entrance A (Daytime)**

**Appendix 3.11e2**

NSR ID	Description	Plant Inventory	Source ID	Source Height (mPD)	SWL, dB(A)	Receiver Height (mPD)	Slant Distance (m)	Distance Attenuation dB(A)	Screening Correction dB(A)	Facade Correction dB(A)	SPL, $L_{eq(30min)}$ , dB(A)	Resultant SPL, $L_{eq(30min)}$ , dB(A)	Daytime Noise Criteria, dB(A)
YCB	6/F	Entrance A of LET Station	LET 12	23.1	84	22.0	17	-32	0	3	55	60	60
	1/F		LET 13	11.9	84	8.0	11	-29	0	3	58		
SFB	6/F	Entrance A of LET Station	LET 12	23.1	84	22.0	22	-35	0	3	52	57	60
	1/F		LET 13	11.9	84	8.0	15	-31	0	3	56		

**Consultancy Agreement No. NEX/2301  
South Island Line (East)  
Environmental Impact Assessment**

**Fixed Plant Noise Assessment for  
LET Station Entrance A (Night- time)**

**Appendix 3.11e2**

NSR ID	Description	Plant Inventory	Source ID	Source Height (mPD)	SWL, dB(A)	Receiver Height (mPD)	Slant Distance (m)	Distance Attenuation dB(A)	Screening Correction dB(A)	Facade Correction dB(A)	SPL, $L_{eq(30min)}$ , dB(A)	Resultant SPL, $L_{eq(30min)}$ , dB(A)	Nighttime Noise Criteria, dB(A)
YCB	6/F	Entrance A of LET Station	LET 12	23.1	74	22.0	17	-32	0	3	45	50	50
	1/F		LET 13	11.9	74	8.0	11	-29	0	3	48		
SFB	6/F	Entrance A of LET Station	LET 12	23.1	74	22.0	22	-35	0	3	42	47	50
	1/F		LET 13	11.9	74	8.0	15	-31	0	3	46		



NSR ID	Description	Plant Inventory	Source ID	Source Height (mPD)	SWL, dB(A)	Receiver Height (mPD)	Slant Distance (m)	Distance Attenuation dB(A)	Screening Correction dB(A)	Facade Correction dB(A)	SPL, $L_{eq(30min)}$ , dB(A)	Resultant SPL, $L_{eq(30min)}$ , dB(A)	Daytime Noise Criteria, dB(A)
SMB	Sun Ming Building	TVF at SWT	LET 14	27.0	103	25.0	61	-44	0	3	62	65	65
			LET 15	27.0	103	25.0	74	-45	0	3	61		
SWT1	Sham Wan Towers - Tower 1	TVF at SWT	LET 14	27.0	103	42.9	67	-45	-10	3	51	55	65
			LET 15	27.0	103	42.9	66	-44	-10	3	52		

NSR ID	Description	Plant Inventory	Source ID	Source Height (mPD)	SWL, dB(A)	Receiver Height (mPD)	Slant Distance (m)	Distance Attenuation dB(A)	Screening Correction dB(A)	Facade Correction dB(A)	SPL, $L_{eq(30min)}$ , dB(A)	Resultant SPL, $L_{eq(30min)}$ , dB(A)	Nighttime Noise Criteria, dB(A)
SMB	Sun Ming Building	TVF at SWT	LET 14	27.0	93	25.0	61	-44	0	3	52	55	55
			LET 15	27.0	93	25.0	74	-45	0	3	51		
SWT1	Sham Wan Towers - Tower 1	TVF at SWT	LET 14	27.0	93	42.9	67	-45	-10	3	41	45	55
			LET 15	27.0	93	42.9	66	-44	-10	3	42		

**Consultancy Agreement No. NEX/2301  
South Island Line (East)  
Environmental Impact Assessment**

**Fixed Plant Noise Assessment for  
South Horizons Station (Daytime)**

**Appendix 3.11g**

NSR ID	Description	Plant Inventory	Source ID	Source Height (mPD)	SWL, dB(A)	Receiver Height (mPD)	Slant Distance (m)	Distance Attenuation dB(A)	Screening Correction dB(A)	Facade Correction dB(A)	SPL, L <sub>eq(30min)</sub> , dB(A)	Resultant SPL, L <sub>eq(30min)</sub> , dB(A)	Daytime Noise Criteria, dB(A)
PBPS	Precious Blood Primary School (South Horizons) (1/F)	Entrance A	LNR01a	18.1	85	17.5	64	-44	-10	3	34	53	60
			LNR01b	18.1	85	17.5	62	-44	-10	3	34		
		SOH Plant Building	LNR01c	18.1	85	17.5	63	-44	0	3	44		
			LNR01d	18.1	85	17.5	65	-44	0	3	44		
			LNR02	19.2	80	17.5	88	-47	-10	3	26		
			LNR03	19.2	80	17.5	87	-47	-10	3	26		
			LNR04	18.9	80	17.5	83	-46	-10	3	27		
			LNR05	19.1	80	17.5	84	-46	-10	3	27		
			LNR06	13.7	80	17.5	78	-46	-10	3	27		
			LNR07	30.6	93	17.5	72	-45	-10	3	41		
			LNR08	30.6	93	17.5	70	-45	-10	3	41		
			LNR09	24.7	93	17.5	72	-45	-10	3	41		
			LNR10	24.7	93	17.5	64	-44	-10	3	42		
			LNR11	24.7	93	17.5	63	-44	-10	3	42		
			LNR12	21.3	93	17.5	65	-44	-10	3	42		
			LNR13	21.3	93	17.5	62	-44	-10	3	42		
			LNR14	21.3	93	17.5	60	-44	-10	3	42		
			LNR15	24.6	82	17.5	90	-47	-10	3	28		
			LNR16	24.3	82	17.5	89	-47	-10	3	28		
			LNR17	18.9	82	17.5	84	-46	-10	3	29		
LNR18	24.3	82	17.5	63	-44	-10	3	31					
LNR19	19.1	72	17.5	57	-43	-10	3	22					
		Entrance C	LNR20	19.5	83	17.5	29	-37	-10	3	39		
SOH5	South Horizons Phase III - Mei Cheung Court (Block 20) (1/F)	Entrance A	LNR01a	18.1	85	23.9	61	-44	0	3	44	59	60
			LNR01b	18.1	85	23.9	61	-44	0	3	44		
		SOH Plant Building	LNR01c	18.1	85	23.9	64	-44	-10	3	34		
			LNR01d	18.1	85	23.9	64	-44	-10	3	34		
			LNR02	19.2	80	23.9	61	-44	0	3	39		
			LNR03	19.2	80	23.9	61	-44	0	3	39		
			LNR04	18.9	80	23.9	71	-45	0	3	38		
			LNR05	19.1	80	23.9	73	-45	0	3	38		
			LNR06	13.7	80	23.9	68	-45	0	3	38		
			LNR07	30.6	93	23.9	48	-42	-10	3	44		
			LNR08	30.6	93	23.9	52	-42	-10	3	44		
			LNR09	24.7	93	23.9	40	-40	-10	3	46		
			LNR10	24.7	93	23.9	45	-41	-10	3	45		
			LNR11	24.7	93	23.9	47	-42	-10	3	44		
			LNR12	21.3	93	23.9	37	-39	-10	3	47		
			LNR13	21.3	93	23.9	40	-40	-10	3	46		
			LNR14	21.3	93	23.9	44	-41	-10	3	45		
			LNR15	24.6	82	23.9	69	-45	0	3	40		
			LNR16	24.3	82	23.9	69	-45	0	3	40		
			LNR17	18.9	82	23.9	63	-44	0	3	41		
LNR18	24.3	82	23.9	44	-41	-10	3	34					
LNR19	19.1	72	23.9	39	-40	-10	3	25					
		Entrance C	LNR20	19.5	83	23.9	12	-30	0	3	56		

**Consultancy Agreement No. NEX/2301  
South Island Line (East)  
Environmental Impact Assessment**

**Fixed Plant Noise Assessment for  
South Horizons Station (Daytime)**

**Appendix 3.11g**

NSR ID	Description	Plant Inventory	Source ID	Source Height (mPD)	SWL, dB(A)	Receiver Height (mPD)	Slant Distance (m)	Distance Attenuation dB(A)	Screening Correction dB(A)	Facade Correction dB(A)	SPL, L <sub>eq(30min)</sub> , dB(A)	Resultant SPL, L <sub>eq(30min)</sub> , dB(A)	Daytime Noise Criteria, dB(A)
SOH6	South Horizons Phase III - Mei Ka Court (Block 23A) (1/F)	Entrance A	LNR01a	18.1	85	23.9	61	-44	0	3	44	60	60
			LNR01b	18.1	85	23.9	61	-44	0	3	44		
		LNR01c	18.1	85	23.9	64	-44	-10	3	34			
		LNR01d	18.1	85	23.9	64	-44	-10	3	34			
		SOH Plant Building	LNR02	19.2	80	23.9	61	-44	0	3	39		
			LNR03	19.2	80	23.9	43	-41	0	3	42		
			LNR04	18.9	80	23.9	15	-31	0	3	52		
			LNR05	19.1	80	23.9	13	-30	0	3	53		
			LNR06	13.7	80	23.9	20	-34	0	3	49		
			LNR07	30.6	93	23.9	42	-41	-10	3	45		
			LNR08	30.6	93	23.9	35	-39	-10	3	47		
			LNR09	24.7	93	23.9	58	-43	-10	3	43		
			LNR10	24.7	93	23.9	40	-40	-10	3	46		
			LNR11	24.7	93	23.9	37	-39	-10	3	47		
			LNR12	21.3	93	23.9	53	-43	-10	3	43		
			LNR13	21.3	93	23.9	46	-41	-10	3	45		
			LNR14	21.3	93	23.9	41	-40	-10	3	46		
			LNR15	24.6	82	23.9	29	-37	0	3	48		
			LNR16	24.3	82	23.9	26	-36	0	3	49		
			LNR17	18.9	82	23.9	31	-38	0	3	47		
LNR18	24.3		82	23.9	41	-40	-10	3	35				
LNR19	19.1		72	23.9	46	-41	-10	3	24				
Entrance C	LNR20	19.5	83	23.9	87	-47	0	3	39				
SOH7	South Horizons Phase IV - Cambridge Court (Block 33A) (1/F)	Entrance A	LNR01a	18.1	0	27.8	42	-40	0	3	0	53	60
			LNR01b	18.1	0	27.8	41	-40	0	3	0		
		LNR01c	18.1	0	27.8	43	-41	0	3	0			
		LNR01d	18.1	0	27.8	44	-41	0	3	0			
		SOH Plant Building	LNR02	19.2	80	27.8	83	-46	0	3	37		
			LNR03	19.2	80	27.8	83	-46	0	3	37		
			LNR04	18.9	80	27.8	91	-47	0	3	36		
			LNR05	19.1	80	27.8	93	-47	0	3	36		
			LNR06	13.7	80	27.8	88	-47	0	3	36		
			LNR07	30.6	93	27.8	69	-45	-10	3	41		
			LNR08	30.6	93	27.8	72	-45	-10	3	41		
			LNR09	24.7	93	27.8	61	-44	-10	3	42		
			LNR10	24.7	93	27.8	66	-44	-10	3	42		
			LNR11	24.7	93	27.8	67	-45	-10	3	41		
			LNR12	21.3	93	27.8	59	-43	-10	3	43		
			LNR13	21.3	93	27.8	61	-44	-10	3	42		
			LNR14	21.3	93	27.8	64	-44	-10	3	42		
			LNR15	24.6	82	27.8	90	-47	0	3	38		
			LNR16	24.3	82	27.8	90	-47	0	3	38		
			LNR17	18.9	82	27.8	85	-47	0	3	38		
LNR18	24.3		82	27.8	65	-44	0	3	41				
LNR19	19.1		72	27.8	60	-44	0	3	31				
Entrance C	LNR20	19.5	83	27.8	19	-34	-10	3	42				

**Consultancy Agreement No. NEX/2301  
South Island Line (East)  
Environmental Impact Assessment**

**Fixed Plant Noise Assessment for  
South Horizons Station (Daytime)**

**Appendix 3.11g**

NSR ID	Description	Plant Inventory	Source ID	Source Height (mPD)	SWL, dB(A)	Receiver Height (mPD)	Slant Distance (m)	Distance Attenuation dB(A)	Screening Correction dB(A)	Facade Correction dB(A)	SPL, L <sub>eq(30min)</sub> , dB(A)	Resultant SPL, L <sub>eq(30min)</sub> , dB(A)	Daytime Noise Criteria, dB(A)
SOH8	South Horizons Phase IV - Dover Court (Block 25) (1/F)	Entrance A	LNR01a	18.1	0	30.6	125	-50	0	3	0	58	60
			LNR01b	18.1	0	30.6	125	-50	0	3	0		
		LNR01c	18.1	0	30.6	128	-50	0	3	0			
		LNR01d	18.1	0	30.6	128	-50	0	3	0			
		SOH Plant Building	LNR02	19.2	80	30.6	17	-33	0	3	50		
			LNR03	19.2	80	30.6	19	-33	0	3	50		
			LNR04	18.9	80	30.6	47	-41	0	3	42		
			LNR05	19.1	80	30.6	50	-42	0	3	41		
			LNR06	13.7	80	30.6	50	-42	0	3	41		
			LNR07	30.6	93	30.6	30	-38	-10	3	48		
			LNR08	30.6	93	30.6	38	-40	-10	3	46		
			LNR09	24.7	93	30.6	28	-37	-10	3	49		
			LNR10	24.7	93	30.6	40	-40	-10	3	46		
			LNR11	24.7	93	30.6	43	-41	-10	3	45		
			LNR12	21.3	93	30.6	35	-39	-10	3	47		
			LNR13	21.3	93	30.6	39	-40	-10	3	46		
			LNR14	21.3	93	30.6	45	-41	-10	3	45		
			LNR15	24.6	82	30.6	28	-37	-10	3	38		
			LNR16	24.3	82	30.6	31	-38	-10	3	37		
			LNR17	18.9	82	30.6	30	-38	-10	3	37		
LNR18	24.3		82	30.6	41	-40	0	3	45				
LNR19	19.1		72	30.6	45	-41	0	3	34				
Entrance C	LNR20	19.5	83	30.6	77	-46	-10	3	30				
SOH9	South Horizons Phase IV - Dover Court (Block 33) (1/F)	Entrance A	LNR01a	18.1	85	30.6	17	-33	0	3	55	60	60
			LNR01b	18.1	85	30.6	19	-34	0	3	54		
		LNR01c	18.1	85	30.6	21	-35	0	3	53			
		LNR01d	18.1	85	30.6	19	-34	0	3	54			
		SOH Plant Building	LNR02	19.2	0	30.6	113	-49	0	3	0		
			LNR03	19.2	0	30.6	114	-49	0	3	0		
			LNR04	18.9	0	30.6	127	-50	0	3	0		
			LNR05	19.1	0	30.6	129	-50	0	3	0		
			LNR06	13.7	0	30.6	124	-50	0	3	0		
			LNR07	30.6	0	30.6	103	-48	0	3	0		
			LNR08	30.6	0	30.6	107	-49	0	3	0		
			LNR09	24.7	0	30.6	92	-47	0	3	0		
			LNR10	24.7	0	30.6	101	-48	0	3	0		
			LNR11	24.7	0	30.6	103	-48	0	3	0		
			LNR12	21.3	0	30.6	91	-47	0	3	0		
			LNR13	21.3	0	30.6	96	-48	0	3	0		
			LNR14	21.3	0	30.6	100	-48	0	3	0		
			LNR15	24.6	0	30.6	123	-50	0	3	0		
			LNR16	24.3	0	30.6	124	-50	0	3	0		
			LNR17	18.9	0	30.6	119	-49	0	3	0		
LNR18	24.3		0	30.6	100	-48	0	3	0				
LNR19	19.1		0	30.6	96	-48	0	3	0				
Entrance C	LNR20	19.5	0	30.6	56	-43	0	3	0				

**Consultancy Agreement No. NEX/2301  
South Island Line (East)  
Environmental Impact Assessment**

**Fixed Plant Noise Assessment for  
South Horizons Station (Night-time)**

**Appendix 3.11g**

NSR ID	Description	Plant Inventory	Source ID	Source Height (mPD)	SWL, dB(A)	Receiver Height (mPD)	Slant Distance (m)	Distance Attenuation dB(A)	Screening Correction dB(A)	Facade Correction dB(A)	SPL, L <sub>eq(30min)</sub> , dB(A)	Resultant SPL, L <sub>eq(30min)</sub> , dB(A)	Nighttime Noise Criteria, dB(A)
PBPS	Precious Blood Primary School (South Horizons) (1/F)	Entrance A	LNR01a	18.1	75	17.5	64	-44	-10	3	24	43	50
			LNR01b	18.1	75	17.5	62	-44	-10	3	24		
		LNR01c	18.1	75	17.5	63	-44	0	3	34			
		LNR01d	18.1	75	17.5	65	-44	0	3	34			
		SOH Plant Building	LNR02	19.2	70	17.5	88	-47	-10	3	16		
			LNR03	19.2	70	17.5	87	-47	-10	3	16		
			LNR04	18.9	70	17.5	83	-46	-10	3	17		
			LNR05	19.1	70	17.5	84	-46	-10	3	17		
			LNR06	13.7	70	17.5	78	-46	-10	3	17		
			LNR07	30.6	83	17.5	72	-45	-10	3	31		
			LNR08	30.6	83	17.5	70	-45	-10	3	31		
			LNR09	24.7	83	17.5	72	-45	-10	3	31		
			LNR10	24.7	83	17.5	64	-44	-10	3	32		
			LNR11	24.7	83	17.5	63	-44	-10	3	32		
			LNR12	21.3	83	17.5	65	-44	-10	3	32		
			LNR13	21.3	83	17.5	62	-44	-10	3	32		
			LNR14	21.3	83	17.5	60	-44	-10	3	32		
			LNR15	24.6	72	17.5	90	-47	-10	3	18		
			LNR16	24.3	72	17.5	89	-47	-10	3	18		
			LNR17	18.9	72	17.5	84	-46	-10	3	19		
LNR18	24.3	72	17.5	63	-44	-10	3	21					
LNR19	19.1	72	17.5	57	-43	-10	3	22					
		Entrance C	LNR20	19.5	73	17.5	29	-37	-10	3	29		
SOH5	South Horizons Phase III - Mei Cheung Court (Block 20) (1/F)	Entrance A	LNR01a	18.1	75	23.9	61	-44	0	3	34	49	50
			LNR01b	18.1	75	23.9	61	-44	0	3	34		
		LNR01c	18.1	75	23.9	64	-44	-10	3	24			
		LNR01d	18.1	75	23.9	64	-44	-10	3	24			
		SOH Plant Building	LNR02	19.2	70	23.9	61	-44	0	3	29		
			LNR03	19.2	70	23.9	61	-44	0	3	29		
			LNR04	18.9	70	23.9	71	-45	0	3	28		
			LNR05	19.1	70	23.9	73	-45	0	3	28		
			LNR06	13.7	70	23.9	68	-45	0	3	28		
			LNR07	30.6	83	23.9	48	-42	-10	3	34		
			LNR08	30.6	83	23.9	52	-42	-10	3	34		
			LNR09	24.7	83	23.9	40	-40	-10	3	36		
			LNR10	24.7	83	23.9	45	-41	-10	3	35		
			LNR11	24.7	83	23.9	47	-42	-10	3	34		
			LNR12	21.3	83	23.9	37	-39	-10	3	37		
			LNR13	21.3	83	23.9	40	-40	-10	3	36		
			LNR14	21.3	83	23.9	44	-41	-10	3	35		
			LNR15	24.6	72	23.9	69	-45	0	3	30		
			LNR16	24.3	72	23.9	69	-45	0	3	30		
			LNR17	18.9	72	23.9	63	-44	0	3	31		
LNR18	24.3	72	23.9	44	-41	-10	3	24					
LNR19	19.1	72	23.9	39	-40	-10	3	25					
		Entrance C	LNR20	19.5	73	23.9	12	-30	0	3	46		

**Consultancy Agreement No. NEX/2301  
South Island Line (East)  
Environmental Impact Assessment**

**Fixed Plant Noise Assessment for  
South Horizons Station (Night-time)**

**Appendix 3.11g**

NSR ID	Description	Plant Inventory	Source ID	Source Height (mPD)	SWL, dB(A)	Receiver Height (mPD)	Slant Distance (m)	Distance Attenuation dB(A)	Screening Correction dB(A)	Facade Correction dB(A)	SPL, L <sub>eq(30min)</sub> , dB(A)	Resultant SPL, L <sub>eq(30min)</sub> , dB(A)	Nighttime Noise Criteria, dB(A)
SOH6	South Horizons Phase III - Mei Ka Court (Block 23A) (1/F)	Entrance A	LNR01a	18.1	75	23.9	61	-44	0	3	34		
			LNR01b	18.1	75	23.9	61	-44	0	3	34		
			LNR01c	18.1	75	23.9	64	-44	-10	3	24		
			LNR01d	18.1	75	23.9	64	-44	-10	3	24		
			LNR02	19.2	70	23.9	61	-44	0	3	29		
			LNR03	19.2	70	23.9	43	-41	0	3	32		
			LNR04	18.9	70	23.9	15	-31	0	3	42		
			LNR05	19.1	70	23.9	13	-30	0	3	43		
			LNR06	13.7	70	23.9	20	-34	0	3	39		
			LNR07	30.6	83	23.9	42	-41	-10	3	35		
			LNR08	30.6	83	23.9	35	-39	-10	3	37		
			LNR09	24.7	83	23.9	58	-43	-10	3	33		
			LNR10	24.7	83	23.9	40	-40	-10	3	36		
			LNR11	24.7	83	23.9	37	-39	-10	3	37		
			LNR12	21.3	83	23.9	53	-43	-10	3	33		
			LNR13	21.3	83	23.9	46	-41	-10	3	35		
			LNR14	21.3	83	23.9	41	-40	-10	3	36		
			LNR15	24.6	72	23.9	29	-37	0	3	38		
			LNR16	24.3	72	23.9	26	-36	0	3	39		
		LNR17	18.9	72	23.9	31	-38	0	3	37			
LNR18	24.3	72	23.9	41	-40	-10	3	25					
LNR19	19.1	72	23.9	46	-41	-10	3	24					
		Entrance C	LNR20	19.5	73	23.9	87	-47	0	3	29	50	50
SOH7	South Horizons Phase IV - Cambridge Court (Block 33A) (1/F)	Entrance A	LNR01a	18.1	0	27.8	42	-40	0	3	0		
			LNR01b	18.1	0	27.8	41	-40	0	3	0		
			LNR01c	18.1	0	27.8	43	-41	0	3	0		
			LNR01d	18.1	0	27.8	44	-41	0	3	0		
			LNR02	19.2	70	27.8	83	-46	0	3	27		
			LNR03	19.2	70	27.8	83	-46	0	3	27		
			LNR04	18.9	70	27.8	91	-47	0	3	26		
			LNR05	19.1	70	27.8	93	-47	0	3	26		
			LNR06	13.7	70	27.8	88	-47	0	3	26		
			LNR07	30.6	83	27.8	69	-45	-10	3	31		
			LNR08	30.6	83	27.8	72	-45	-10	3	31		
			LNR09	24.7	83	27.8	61	-44	-10	3	32		
			LNR10	24.7	83	27.8	66	-44	-10	3	32		
			LNR11	24.7	83	27.8	67	-45	-10	3	31		
			LNR12	21.3	83	27.8	59	-43	-10	3	33		
			LNR13	21.3	83	27.8	61	-44	-10	3	32		
			LNR14	21.3	83	27.8	64	-44	-10	3	32		
			LNR15	24.6	72	27.8	90	-47	0	3	28		
			LNR16	24.3	72	27.8	90	-47	0	3	28		
		LNR17	18.9	72	27.8	85	-47	0	3	28			
LNR18	24.3	72	27.8	65	-44	0	3	31					
LNR19	19.1	72	27.8	60	-44	0	3	31					
		Entrance C	LNR20	19.5	73	27.8	19	-34	-10	3	32	43	50

**Consultancy Agreement No. NEX/2301  
South Island Line (East)  
Environmental Impact Assessment**

**Fixed Plant Noise Assessment for  
South Horizons Station (Night-time)**

**Appendix 3.11g**

NSR ID	Description	Plant Inventory	Source ID	Source Height (mPD)	SWL, dB(A)	Receiver Height (mPD)	Slant Distance (m)	Distance Attenuation dB(A)	Screening Correction dB(A)	Facade Correction dB(A)	SPL, L <sub>eq(30min)</sub> , dB(A)	Resultant SPL, L <sub>eq(30min)</sub> , dB(A)	Nighttime Noise Criteria, dB(A)
SOH8	South Horizons Phase IV - Dover Court (Block 25) (1/F)	Entrance A	LNR01a	18.1	0	30.6	125	-50	0	3	0		
			LNR01b	18.1	0	30.6	125	-50	0	3	0		
			LNR01c	18.1	0	30.6	128	-50	0	3	0		
			LNR01d	18.1	0	30.6	128	-50	0	3	0		
			LNR02	19.2	70	30.6	17	-33	0	3	40		
			LNR03	19.2	70	30.6	19	-33	0	3	40		
			LNR04	18.9	70	30.6	47	-41	0	3	32		
			LNR05	19.1	70	30.6	50	-42	0	3	31		
			LNR06	13.7	70	30.6	50	-42	0	3	31		
			LNR07	30.6	83	30.6	30	-38	-10	3	38		
			LNR08	30.6	83	30.6	38	-40	-10	3	36		
			LNR09	24.7	83	30.6	28	-37	-10	3	39		
			LNR10	24.7	83	30.6	40	-40	-10	3	36		
			LNR11	24.7	83	30.6	43	-41	-10	3	35		
			LNR12	21.3	83	30.6	35	-39	-10	3	37		
			LNR13	21.3	83	30.6	39	-40	-10	3	36		
			LNR14	21.3	83	30.6	45	-41	-10	3	35		
			LNR15	24.6	72	30.6	28	-37	-10	3	28		
			LNR16	24.3	72	30.6	31	-38	-10	3	27		
			LNR17	18.9	72	30.6	30	-38	-10	3	27		
		LNR18	24.3	72	30.6	41	-40	0	3	35			
LNR19	19.1	72	30.6	45	-41	0	3	34					
		Entrance C	LNR20	19.5	73	30.6	77	-46	-10	3	20	48	50
SOH9	South Horizons Phase IV - Dover Court (Block 33) (1/F)	Entrance A	LNR01a	18.1	75	30.6	17	-33	0	3	45		
			LNR01b	18.1	75	30.6	19	-34	0	3	44		
			LNR01c	18.1	75	30.6	21	-35	0	3	43		
			LNR01d	18.1	75	30.6	19	-34	0	3	44		
			LNR02	19.2	0	30.6	113	-49	0	3	0		
			LNR03	19.2	0	30.6	114	-49	0	3	0		
			LNR04	18.9	0	30.6	127	-50	0	3	0		
			LNR05	19.1	0	30.6	129	-50	0	3	0		
			LNR06	13.7	0	30.6	124	-50	0	3	0		
			LNR07	30.6	0	30.6	103	-48	0	3	0		
			LNR08	30.6	0	30.6	107	-49	0	3	0		
			LNR09	24.7	0	30.6	92	-47	0	3	0		
			LNR10	24.7	0	30.6	101	-48	0	3	0		
			LNR11	24.7	0	30.6	103	-48	0	3	0		
			LNR12	21.3	0	30.6	91	-47	0	3	0		
			LNR13	21.3	0	30.6	96	-48	0	3	0		
			LNR14	21.3	0	30.6	100	-48	0	3	0		
			LNR15	24.6	0	30.6	123	-50	0	3	0		
			LNR16	24.3	0	30.6	124	-50	0	3	0		
			LNR17	18.9	0	30.6	119	-49	0	3	0		
		LNR18	24.3	0	30.6	100	-48	0	3	0			
LNR19	19.1	0	30.6	96	-48	0	3	0					
		Entrance C	LNR20	19.5	0	30.6	56	-43	0	3	0	50	50



Consultancy Agreement No. NEX/2301  
 South Island Line (East)  
 Environmental Impact Assessment

Fixed Plant Noise Assessment for  
 LWS Plant Building (Daytime)

Appendix 3.11h

NSR ID	Description	Plant Inventory	Source ID	Source Height (mPD)	SWL, dB(A)	Receiver Height (mPD)	Slant Distance (m)	Distance Attenuation dB(A)	Screening Correction dB(A)	Facade Correction dB(A)	SPL, $L_{eq(30min)}$ , dB(A)	Resultant SPL, $L_{eq(30min)}$ , dB(A)	Daytime Noise Criteria, dB(A)
AKPS	Aplichau Kaifong Primary School	LWS Plant Building	LWB01	37.5	104	68.1	276	-57	0	3	50		
			LWB02	37.5	104	68.1	279	-57	-10	3	40		
			LWB03	37.5	104	68.1	279	-57	-10	3	40		
			LWB04	37.5	104	68.1	269	-57	0	3	50		
			LWB05	37.5	104	68.1	268	-57	0	3	50		
			LWB06	37.5	104	68.1	271	-57	-10	3	40		
			LWB07	28.8	108	68.1	280	-57	-10	3	44		
			LWB08	23.0	108	68.1	281	-57	-10	3	44		
			LWB09	16.6	108	68.1	282	-57	-10	3	44		
			LWB10	10.3	108	68.1	283	-57	-10	3	44		
			LWB11	28.8	108	68.1	258	-56	-10	3	45		
			LWB12	23.0	108	68.1	259	-56	-10	3	45		
			LWB13	16.6	108	68.1	260	-56	-10	3	45		
			LWB14	10.3	108	68.1	262	-56	-10	3	45		
			LWB15	10.3	108	68.1	260	-56	-10	3	45		
			LWB16	10.3	108	68.1	257	-56	-10	3	45		
			LWB17	6.2	108	68.1	258	-56	-10	3	45		
			LWB18	22.9	102	68.1	251	-56	0	3	49		
			LWB19	22.9	102	68.1	247	-56	0	3	49		
			LWB20	16.5	102	68.1	252	-56	0	3	49		
			LWB21	32.8	102	68.1	277	-57	0	3	48		
			LWB22	32.8	102	68.1	263	-56	0	3	49	60	60

Consultancy Agreement No. NEX/2301  
 South Island Line (East)  
 Environmental Impact Assessment

Fixed Plant Noise Assessment for  
 LWS Plant Building (Night-time)

Appendix 3.11h

NSR ID	Description	Plant Inventory	Source ID	Source Height (mPD)	SWL, dB(A)	Receiver Height (mPD)	Slant Distance (m)	Distance Attenuation dB(A)	Screening Correction dB(A)	Facade Correction dB(A)	SPL, $L_{eq(30min)}$ , dB(A)	Resultant SPL, $L_{eq(30min)}$ , dB(A)	Nighttime Noise Criteria, dB(A)
AKPS	Aplichau Kaifong Primary School	LWS Plant Building	LWB01	37.5	94	68.1	276	-57	0	3	40	50	50
			LWB02	37.5	94	68.1	279	-57	-10	3	30		
			LWB03	37.5	94	68.1	279	-57	-10	3	30		
			LWB04	37.5	94	68.1	269	-57	0	3	40		
			LWB05	37.5	94	68.1	268	-57	0	3	40		
			LWB06	37.5	94	68.1	271	-57	-10	3	30		
			LWB07	28.8	98	68.1	280	-57	-10	3	34		
			LWB08	23.0	98	68.1	281	-57	-10	3	34		
			LWB09	16.6	98	68.1	282	-57	-10	3	34		
			LWB10	10.3	98	68.1	283	-57	-10	3	34		
			LWB11	28.8	98	68.1	258	-56	-10	3	35		
			LWB12	23.0	98	68.1	259	-56	-10	3	35		
			LWB13	16.6	98	68.1	260	-56	-10	3	35		
			LWB14	10.3	98	68.1	262	-56	-10	3	35		
			LWB15	10.3	98	68.1	260	-56	-10	3	35		
			LWB16	10.3	98	68.1	257	-56	-10	3	35		
			LWB17	6.2	98	68.1	258	-56	-10	3	35		
			LWB18	22.9	92	68.1	251	-56	0	3	39		
			LWB19	22.9	92	68.1	247	-56	0	3	39		
			LWB20	16.5	92	68.1	252	-56	0	3	39		
			LWB21	32.8	92	68.1	277	-57	0	3	38		
			LWB22	32.8	92	68.1	263	-56	0	3	39		