

Project: Tung Chung New Town Extension  
Project no. : 219844-70  
Tilte: Calculation of Maximum Allowable SWL of Planned Noise Sources

Maximum Allowable SWL of Planned Noise Sources

Source Location	Source Description	NSR	Nearest NAP	Noise Criteria <sup>[1]</sup> , dB(A)	Shortest Distance to NAP, m <sup>[2]</sup>	Correction, dB(A)					Maximum Allowable SWL, dB(A)
						Distance	Facade	Tonality	Screening	Cumulative Impact	
Tung Chung East											
D0-1	Salt Water Pumping Station	N1	D1-1-01	50	40	40	3	3	0	0	84
C0-3	Sewage Pumping Station	N1	C2-1-06	50	63	44	3	3	0	0	88
B0-4	Sewage Pumping Station	N3	A55a-001	50	40	40	3	3	0	0	84
B0-2	Electric Substation	N3	A56-002	50	155	52	3	3	0	0	96
			A56-003	50	185	53	3	3	0	0	97
B1-1	Public Transport Interchange	N3	A56-002	50	80	46	3	3	0	0	90
A1-2	Public Transport Interchange	N1	A1-2-10c	53	65	44	3	3	0	0	91
C2-2	Public Transport Interchange	N1	C2-2-04	50	30	38	3	3	0	0	82
G0-3	Fire Station	N1	C2-1-06	50	170	53	3	3	0	0	97
F0-5	Boatyard and Maintenance Area	N1	F2-1-02	55	200	54	3	3	0	0	103
Tung Chung West											
TCV-f	Sewage Pumping Station	N2	TCV-8-01	45	25	36	3	3	0	0	75
TCV-d	Sewage Pumping Station	N2	TCV-2-02	45	35	39	3	3	0	0	78
TCV-b	Sewage Pumping Station	N2	TCV-4-02	45	15	32	3	3	0	0	71
COM-3	Public Transport Interchange	N2	YTE-005	45	90	47	3	3	0	0	86
CMR SPS	Chung Mun Road Sewage Pumping Station	N2	TCV-1-04	45	50	42	3	3	0	0	81
TCV-a	Pumping Station	N2	TCV-3-01	45	15	32	3	3	0	0	71
TCV-c	Pumping Station	N2	SLP-003	45	20	34	3	3	0	0	73
TCV-e	Pumping Station	N2	TCV-1-06	45	10	28	3	3	0	0	67

Note:  
[1] Only night time criteria is assessed as worst case scenario, except for Boatyard Maintenance Area which operates during daytime and evening time only.  
[2] Since detail design information is not yet available, noise generation is assumed to be at the centre of the noise source.

Project: Tung Chung New Town Extension  
Project no. : 219844-70  
Tilte: Predicted Sound Pressure Level from noise sources

NSR ID: D1-1-01  
1st floor level (mPD): 11.5  
Total number of floors: 18

NSR	Nearest NAP	Floor of NAP	Height of NAP, mPD	Source Location	Source Description	SWL, dB(A)	Source Height, mPD	Horizontal Dist to NAP, m	Slant Distance to NAP, m	Correction, dB(A)				Predicted SPL, dB(A)	Cumulative Impacts, dB(A)	ANL, dB(A)	Compliance [Y/N]
										Distance	Facade	Tonality	Screening				
N1	D1-1-01	1	12.7	D0-1	Salt Water Pumping Station	84	6	40	41	-40	3	3	0	50	51	55	Y
				B0-4	Sewage Pumping Station	84	6	250	250	-56	3	3	0	34			
				HKIA				-						46 [1]			
		5	25.3	D0-1	Salt Water Pumping Station	84	6	40	45	-41	3	3	0	49	51	55	Y
				B0-4	Sewage Pumping Station	84	6	250	251	-56	3	3	0	34			
				HKIA				-						46 [1]			
		10	41.1	D0-1	Salt Water Pumping Station	84	6	40	54	-43	3	3	0	47	50	55	Y
				B0-4	Sewage Pumping Station	84	6	250	253	-56	3	3	0	34			
				HKIA				-						46 [1]			
		18	66.3	D0-1	Salt Water Pumping Station	84	6	40	73	-45	3	3	0	45	49	55	Y
				B0-4	Sewage Pumping Station	84	6	250	257	-56	3	3	0	34			
				HKIA				-						46 [1]			

Note:  
[1] Extracted from the predicted mitigated fixed noise impact in the approved EIA-223/2014

Project: Tung Chung New Town Extension  
Project no. : 219844-70  
Tilte: Predicted Sound Pressure Level from noise sources

NSR ID: A55a-001  
1st floor level (mPD): 14.4  
Total number of floors: 26

NSR	Nearest NAP	Floor of NAP	Height of NAP, mPD	Source Location	Source Description	SWL, dB(A)	Source Height, mPD	Horizontal Dist to NAP, m	Slant Distance to NAP, m	Correction, dB(A)				Predicted SPL, dB(A)	Cumulative Impacts, dB(A)	ANL, dB(A)	Compliance [Y/N]
										Distance	Facade	Tonality	Screening				
N1	A55a-001	1	15.6	D0-1	Salt Water Pumping Station	84	6	250	250	-56	3	3	0	34	51	55	Y
				B0-4	Sewage Pumping Station	84	6	40	41	-40	3	3	0	50			
				B1-1	Public Transport Interchange	90	6	250	250	-56	3	3	0	40			
				HKIA										46 [1]			
		5	26.6	D0-1	Salt Water Pumping Station	84	6	250	251	-56	3	3	0	34	51	55	Y
				B0-4	Sewage Pumping Station	84	6	40	45	-41	3	3	0	49			
				B1-1	Public Transport Interchange	90	6	250	251	-56	3	3	0	40			
				HKIA										46 [1]			
		10	40.35	D0-1	Salt Water Pumping Station	84	6	250	252	-56	3	3	0	34	50	55	Y
				B0-4	Sewage Pumping Station	84	6	40	53	-42	3	3	0	48			
				B1-1	Public Transport Interchange	90	6	250	252	-56	3	3	0	40			
				HKIA										46 [1]			
		20	67.85	D0-1	Salt Water Pumping Station	84	6	250	258	-56	3	3	0	34	49	55	Y
				B0-4	Sewage Pumping Station	84	6	40	74	-45	3	3	0	45			
				B1-1	Public Transport Interchange	90	6	250	258	-56	3	3	0	40			
				HKIA										46 [1]			

Note:  
[1] Extracted from the predicted mitigated fixed noise impact in the approved EIA-223/2014

Project: Tung Chung New Town Extension  
Project no. : 219844-70  
Tilte: Predicted Sound Pressure Level from noise sources

NSR ID: PSc-001  
1st floor level (mPD): 5.5  
Total number of floors: 9

NSR	Nearest NAP	Floor of NAP	Height of NAP, mPD	Source Location	Source Description	SWL, dB(A)	Source Height, mPD	Horizontal Dist to NAP, m	Slant Distance to NAP, m	Correction, dB(A)				Predicted SPL, dB(A)	Cumulative Impacts, dB(A)	ANL, dB(A) <sup>[2]</sup>	Compliance [Y/N]
										Distance	Facade	Tonality	Screening				
N3	PSc-001	1	6.7	B0-4	Sewage Pumping Station	84	6	75	75	-46	3	3	0	45	51	55	Y
				B1-1	Public Transport Interchange	90	6	150	150	-52	3	3	0	45			
				B0-2	Electric Substation	96	5	300	300	-58	3	3	0	44			
				HKIA										46 [1]			
		2	10.7	B0-4	Sewage Pumping Station	84	6	75	75	-46	3	3	0	45	51	55	Y
				B1-1	Public Transport Interchange	90	6	150	150	-52	3	3	0	45			
				B0-2	Electric Substation	96	5	300	300	-58	3	3	0	44			
				HKIA										46 [1]			
		5	22.7	B0-4	Sewage Pumping Station	84	6	75	77	-46	3	3	0	44	51	55	Y
				B1-1	Public Transport Interchange	90	6	150	151	-52	3	3	0	44			
				B0-2	Electric Substation	96	5	300	301	-58	3	3	0	44			
				HKIA										46 [1]			
		8	34.7	B0-4	Sewage Pumping Station	84	6	75	80	-46	3	3	0	44	51	55	Y
				B1-1	Public Transport Interchange	90	6	150	153	-52	3	3	0	44			
				B0-2	Electric Substation	96	5	300	301	-58	3	3	0	44			
				HKIA										46 [1]			

Note:  
[1] Extracted from the predicted mitigated fixed noise impact in the approved EIA-223/2014  
[2] Since there is no nighttime operation for schools, daytime and evening time ANL is adopted as the noise criteria for assessment.

Project: Tung Chung New Town Extension  
Project no. : 219844-70  
Tilte: Predicted Sound Pressure Level from noise sources

NSR ID: A56-002  
1st floor level (mPD): 13.5  
Total number of floors: 42

NSR	Nearest NAP	Floor of NAP	Height of NAP, mPD	Source Location	Source Description	SWL, dB(A)	Source Height, mPD	Horizontal Dist to NAP, m	Slant Distance to NAP, m	Correction, dB(A)				Predicted SPL, dB(A)	Cumulative Impacts, dB(A)	ANL, dB(A)	Compliance [Y/N]
										Distance	Facade	Tonality	Screening				
N3	A56-002	1	14.7	B0-4	Sewage Pumping Station	84	6	230	230	-55	3	3	0	35	54	55	Y
				B1-1	Public Transport Interchange	90	6	80	81	-46	3	3	0	50			
				B0-2	Electric Substation	96	5	155	155	-52	3	3	0	50			
				HKIA										46 [1]			
		5	25.7	B0-4	Sewage Pumping Station	84	6	230	231	-55	3	3	0	35	54	55	Y
				B1-1	Public Transport Interchange	90	6	80	83	-46	3	3	0	50			
				B0-2	Electric Substation	96	5	155	156	-52	3	3	0	50			
				HKIA										46 [1]			
		10	39.45	B0-4	Sewage Pumping Station	84	6	230	232	-55	3	3	0	35	53	55	Y
				B1-1	Public Transport Interchange	90	6	80	87	-47	3	3	0	49			
				B0-2	Electric Substation	96	5	155	159	-52	3	3	0	50			
				HKIA										46 [1]			
		20	66.95	B0-4	Sewage Pumping Station	84	6	230	238	-56	3	3	0	35	53	55	Y
				B1-1	Public Transport Interchange	90	6	80	101	-48	3	3	0	48			
				B0-2	Electric Substation	96	5	155	167	-52	3	3	0	49			
				HKIA										46 [1]			

Note:  
[1] Extracted from the predicted mitigated fixed noise impact in the approved EIA-223/2014

Project: Tung Chung New Town Extension  
Project no. : 219844-70  
Tilte: Predicted Sound Pressure Level from noise sources

NSR ID: A56-003  
1st floor level (mPD): 13.5  
Total number of floors: 42

NSR	Nearest NAP	Floor of NAP	Height of NAP, mPD	Source Location	Source Description	SWL, dB(A)	Source Height, mPD	Horizontal Dist to NAP, m	Slant Distance to NAP, m	Correction, dB(A)				Predicted SPL, dB(A)	Cumulative Impacts, dB(A)	ANL, dB(A)	Compliance [Y/N]
										Distance	Facade	Tonality	Screening				
N3	A56-003	1	14.7	B0-4	Sewage Pumping Station	84	6	250	250	-56	3	3	0	34	51	55	Y
				B1-1	Public Transport Interchange	90	6	215	215	-55	3	3	0	41			
				B0-2	Electric Substation	96	5	185	185	-53	3	3	0	48			
				HKIA										46 [1]			
		5	25.7	B0-4	Sewage Pumping Station	84	6	250	251	-56	3	3	0	34	51	55	Y
				B1-1	Public Transport Interchange	90	6	215	216	-55	3	3	0	41			
				B0-2	Electric Substation	96	5	185	186	-53	3	3	0	48			
				HKIA										46 [1]			
		10	39.45	B0-4	Sewage Pumping Station	84	6	250	252	-56	3	3	0	34	51	55	Y
				B1-1	Public Transport Interchange	90	6	215	218	-55	3	3	0	41			
				B0-2	Electric Substation	96	5	185	188	-53	3	3	0	48			
				HKIA										46 [1]			
		20	66.95	B0-4	Sewage Pumping Station	84	6	250	257	-56	3	3	0	34	51	55	Y
				B1-1	Public Transport Interchange	90	6	215	224	-55	3	3	0	41			
				B0-2	Electric Substation	96	5	185	195	-54	3	3	0	48			
				HKIA										46 [1]			

Note:  
[1] Extracted from the predicted mitigated fixed noise impact in the approved EIA-223/2014

Project: Tung Chung New Town Extension  
Project no. : 219844-70  
Tilte: Predicted Sound Pressure Level from noise sources

NSR ID: C2-1-06  
1st floor level (mPD): 11  
Total number of floors: 37

NSR	Nearest NAP	Floor of NAP	Height of NAP, mPD	Source Location	Source Description	SWL, dB(A)	Source Height, mPD	Horizontal Dist to NAP, m	Slant Distance to NAP, m	Correction, dB(A)				Predicted SPL, dB(A)	Cumulative Impacts, dB(A)	ANL, dB(A)	Compliance [Y/N]
										Distance	Facade	Tonality	Screening				
N1	C2-1-06	1	12.2	C0-3	Sewage Pumping Station	88	6	65	65	-44	3	3	0	50	54	55	Y
				C2-2	Public Transport Interchange	82	6	255	255	-56	3	3	-10	21			
				G0-3	Fire Station	97	6	170	170	-53	3	3	0	50			
				HKIA										46 [1]			
		5	23.2	C0-3	Sewage Pumping Station	88	6	65	67	-45	3	3	0	49	54	55	Y
				C2-2	Public Transport Interchange	82	6	255	256	-56	3	3	-10	21			
				G0-3	Fire Station	97	6	170	171	-53	3	3	0	50			
				HKIA										46 [1]			
		10	36.95	C0-3	Sewage Pumping Station	88	6	65	72	-45	3	3	0	49	53	55	Y
				C2-2	Public Transport Interchange	82	6	255	257	-56	3	3	-10	21			
				G0-3	Fire Station	97	6	170	173	-53	3	3	0	50			
				HKIA										46 [1]			
		20	64.45	C0-3	Sewage Pumping Station	88	6	65	88	-47	3	3	0	47	53	55	Y
				C2-2	Public Transport Interchange	82	6	255	262	-56	3	3	-10	21			
				G0-3	Fire Station	97	6	170	180	-53	3	3	0	50			
				HKIA										46 [1]			

Note:  
[1] Extracted from the predicted mitigated fixed noise impact in the approved EIA-223/2014

Project: Tung Chung New Town Extension  
Project no. : 219844-70  
Tilte: Predicted Sound Pressure Level from noise sources

NSR ID: C2-2-04  
1st floor level (mPD): 11  
Total number of floors: 36

NSR	Nearest NAP	Floor of NAP	Height of NAP, mPD	Source Location	Source Description	SWL, dB(A)	Source Height, mPD	Horizontal Dist to NAP, m	Slant Distance to NAP, m	Correction, dB(A)				Predicted SPL, dB(A)	Cumulative Impacts, dB(A)	ANL, dB(A)	Compliance [Y/N]
										Distance	Facade	Tonality	Screening				
N1	C2-2-04	1	12.2	C0-3	Sewage Pumping Station	88	6	300	300	-58	3	3	-10	26	51	55	Y
				C2-2	Public Transport Interchange	82	6	30	31	-38	3	3	0	50			
				HKIA										46 [1]			
		5	23.2	C0-3	Sewage Pumping Station	88	6	300	301	-58	3	3	0	36	51	55	Y
				C2-2	Public Transport Interchange	82	6	30	35	-39	3	3	0	49			
				HKIA										46 [1]			
		10	37.0	C0-3	Sewage Pumping Station	88	6	300	302	-58	3	3	0	36	50	55	Y
				C2-2	Public Transport Interchange	82	6	30	43	-41	3	3	0	47			
				HKIA										46 [1]			
		20	64.45	C0-3	Sewage Pumping Station	88	6	300	306	-58	3	3	0	36	48	55	Y
				C2-2	Public Transport Interchange	82	6	30	66	-44	3	3	0	43			
				HKIA										46 [1]			

Note:  
[1] Extracted from the predicted mitigated fixed noise impact in the approved EIA-223/2014



Project: Tung Chung New Town Extension  
Project no. : 219844-70  
Tilte: Predicted Sound Pressure Level from noise sources

NSR ID: F2-1-02  
1st floor level (mPD): 13.5  
Total number of floors: 10

NSR	Nearest NAP	Floor of NAP	Height of NAP, mPD	Source Location	Source Description	SWL, dB(A)	Source Height, mPD	Horizontal Dist to NAP, m	Slant Distance to NAP, m	Correction, dB(A)				Predicted SPL, dB(A)	Cumulative Impacts, dB(A)	ANL, dB(A) <sup>[2]</sup>	Compliance [Y/N]
										Distance	Facade	Tonality	Screening				
N1	F2-1-02	1	14.7	F0-5	Boatyard and Maintenance Area	103	6	200	200	-54	3	3	0	55	56	65	Y
					HKIA				-					46 [1]			
		4	24.2	F0-5	Boatyard and Maintenance Area	103	6	200	201	-54	3	3	0	55	55	65	Y
					HKIA				-					46 [1]			
		8	36.8	F0-5	Boatyard and Maintenance Area	103	6	200	202	-54	3	3	0	55	55	65	Y
					HKIA				-					46 [1]			
		10	43.1	F0-5	Boatyard and Maintenance Area	103	6	200	203	-54	3	3	0	55	55	65	Y
					HKIA				-					46 [1]			

Note:  
[1] Extracted from the predicted mitigated fixed noise impact in the approved EIA-223/2014  
[2] Since there is no nighttime operation for the boatyard and maintenance area, daytime and evening time ANL is adopted as the noise criteria for assessment.

Project: Tung Chung New Town Extension  
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Tilte: Predicted Sound Pressure Level from noise sources

NSR ID: LCNP-005  
1st floor level (mPD): 96  
Total number of floors: 0

Source at TCE Railway Station at 0m from boundary

NSR	Nearest NAP	Floor of NAP	Height of NAP, mPD	Source Location	Source Description	SWL, dB(A)	Source Height, mPD	Horizontal Dist to NAP, m	Slant Distance to NAP, m	Correction, dB(A)				Predicted SPL, dB(A)	Cumulative Impacts, dB(A)	ANL, dB(A)	Compliance [Y/N]
										Distance	Facade	Tonality	Screening				
N1	LCNP-005	0	97	TCE Railway	Tung Chung East Railway Station	93	6	280	295	-57	0	3	0	39	47	-	-
				A1-2	Public Transport Interchange	91	6	390	401	-60	0	3	0	34			
				HKIA		-								46 [1]			

Note:  
[1] Extracted from the predicted mitigated fixed noise impact in the approved EIA-223/2014

Project: Tung Chung New Town Extension  
Project no. : 219844-70  
Tilte: Predicted Sound Pressure Level from noise sources

NSR ID: LCNP-004  
1st floor level (mPD): 96  
Total number of floors: 0

Source at TCE Railway Station at 0m from boundary

NSR	Nearest NAP	Floor of NAP	Height of NAP, mPD	Source Location	Source Description	SWL, dB(A)	Source Height, mPD	Horizontal Dist to NAP, m	Slant Distance to NAP, m	Correction, dB(A)				Predicted SPL, dB(A)	Cumulative Impacts, dB(A)	ANL, dB(A)	Compliance [Y/N]
										Distance	Facade	Tonality	Screening				
N1	LCNP-004	0	97	G0-3	Fire Station	97	6	332	344	-59	0	3	0	41	47	-	-
				C0-3	Sewage Pumping Station	88	6	340	352	-59	0	3	0	32			
				HKIA		-								46 [1]			

Note:  
[1] Extracted from the predicted mitigated fixed noise impact in the approved EIA-223/2014

Project: Tung Chung New Town Extension  
Project no. : 219844-70  
Tilte: Predicted Sound Pressure Level from noise sources

NSR ID: LCNP-001  
1st floor level (mPD): 52  
Total number of floors: 0

Source at TCE Railway Station at 0m from boundary

NSR	Nearest NAP	Floor of NAP	Height of NAP, mPD	Source Location	Source Description	SWL, dB(A)	Source Height, mPD	Horizontal Dist to NAP, m	Slant Distance to NAP, m	Correction, dB(A)				Predicted SPL, dB(A)	Cumulative Impacts, dB(A)	ANL, dB(A)	Compliance [Y/N]
										Distance	Facade	Tonality	Screening				
N1	LCNP-001	0	53	B0-2	Electric Substation	96	5	320	324	-58	0	3	0	41	47	-	-
				HKIA									46 [1]				

Note:  
[1] Extracted from the predicted mitigated fixed noise impact in the approved EIA-223/2014

Project: Tung Chung New Town Extension  
Project no. : 219844-70  
Tilte: Predicted Sound Pressure Level from noise sources

NSR ID: TCV-1-01  
1st Floor Level (mpd) 6  
Total number of floors: 4

NSR	Nearest NAP	Floor of NAP	Height of NAP, mPD	Source Location	Source Description	SWL, dB(A)	Source Height, mPD	Horizontal Dist to NAP, m	Slant Distance to NAP, m	Correction, dB(A)				Predicted SPL, dB(A)	Cumulative Impacts, dB(A)	ANL, dB(A)	Compliance [Y/N]
										Distance	Facade	Tonality	Screening				
N2	TCV-1-01	1	7.2	COM-3	Public Transport Interchange	86	4	215	215	-55	3	3	0	37	50	55	Y
				CMR SPS	Chung Mun Road Sewage Pumping Station	81	8	140	140	-51	3	3	0	36			
				TCV-f	Sewage Pumping Station	75	4	250	250	-56	3	3	0	25			
				TCV-e	Pumping Station	67	6	185	185	-53	3	3	0	20			
				TCW Railway	Tung Chung West Railway Station [2]	77	6	228	228	-55	3	3	0	28			
				HKIA										50 [1]			
		2	10.4	COM-3	Public Transport Interchange	86	4	215	215	-55	3	3	0	37	50	55	Y
				CMR SPS	Chung Mun Road Sewage Pumping Station	81	8	140	140	-51	3	3	0	36			
				TCV-f	Sewage Pumping Station	75	4	250	250	-56	3	3	0	25			
				TCV-e	Pumping Station	67	6	185	185	-53	3	3	0	20			
				TCW Railway	Tung Chung West Railway Station [2]	77	6	228	228	-55	3	3	0	28			
				HKIA										50 [1]			
		4	16.8	COM-3	Public Transport Interchange	86	4	215	215	-55	3	3	0	37	50	55	Y
				CMR SPS	Chung Mun Road Sewage Pumping Station	81	8	140	140	-51	3	3	0	36			
				TCV-f	Sewage Pumping Station	75	4	250	250	-56	3	3	0	25			
				TCV-e	Pumping Station	67	6	185	185	-53	3	3	0	20			
				TCW Railway	Tung Chung West Railway Station [2]	77	6	228	228	-55	3	3	0	28			
				HKIA										50 [1]			

Note:  
[1] Extracted from the predicted mitigated fixed noise impact in the approved EIA-223/2014  
[2] Due to large distance between the receiver and the Tung Chung West MTR Station, noise sources of the MTR station is assumed to be located at the station boundary nearest to the receiver.

Project: Tung Chung New Town Extension  
Project no. : 219844-70  
Tilte: Predicted Sound Pressure Level from noise sources

NSR ID: TCV-1-04  
1st Floor Level (mpd) 6  
Total number of floors: 4

NSR	Nearest NAP	Floor of NAP	Height of NAP, mPD	Source Location	Source Description	SWL, dB(A)	Source Height, mPD	Horizontal Dist to NAP, m	Slant Distance to NAP, m	Correction, dB(A)				Predicted SPL, dB(A)	Cumulative Impacts, dB(A)	ANL, dB(A)	Compliance [Y/N]
										Distance	Facade	Tonality	Screening				
N2	TCV-1-04	1	7.2	COM-3	Public Transport Interchange	86	4	240	240	-56	3	3	0	36	51	55	Y
				CMR SPS	Chung Mun Road Sewage Pumping Station	81	8	50	50	-42	3	3	0	45			
				TCV-d	Sewage Pumping Station	78	6	225	225	-55	3	3	0	29			
				TCV-f	Sewage Pumping Station	75	4	245	245	-56	3	3	0	25			
				TCV-e	Pumping Station	67	6	110	110	-49	3	3	0	24			
				TCW Railway	Tung Chung West Railway Station [2]	77	6	205	205	-54	3	3	0	29			
				HKIA				-						50 [1]			
		2	10.4	COM-3	Public Transport Interchange	86	4	240	240	-56	3	3	0	36	51	55	Y
				CMR SPS	Chung Mun Road Sewage Pumping Station	81	8	50	50	-42	3	3	0	45			
				TCV-d	Sewage Pumping Station	78	6	225	225	-55	3	3	0	29			
				TCV-f	Sewage Pumping Station	75	4	245	245	-56	3	3	0	25			
				TCV-e	Pumping Station	67	6	110	110	-49	3	3	0	24			
				TCW Railway	Tung Chung West Railway Station [2]	77	6	205	205	-54	3	3	0	29			
				HKIA				-						50 [1]			
		4	16.8	COM-3	Public Transport Interchange	86	4	240	240	-56	3	3	0	36	51	55	Y
				CMR SPS	Chung Mun Road Sewage Pumping Station	81	8	50	51	-42	3	3	0	45			
				TCV-d	Sewage Pumping Station	78	6	225	225	-55	3	3	0	29			
				TCV-f	Sewage Pumping Station	75	4	245	245	-56	3	3	0	25			
				TCV-e	Pumping Station	67	6	110	110	-49	3	3	0	24			
				TCW Railway	Tung Chung West Railway Station [2]	77	6	205	205	-54	3	3	0	29			
				HKIA				-						50 [1]			

Note:  
[1] Extracted from the predicted mitigated fixed noise impact in the approved EIA-223/2014  
[2] Due to large distance between the receiver and the Tung Chung West MTR Station, noise sources of the MTR station is assumed to be located at the station boundary nearest to the receiver.

Project: Tung Chung New Town Extension  
Project no. : 219844-70  
Tilte: Predicted Sound Pressure Level from noise sources

NSR ID: TCV-1-06  
1st Floor Level (mpd) 6  
Total number of floors: 4

NSR	Nearest NAP	Floor of NAP	Height of NAP, mPD	Source Location	Source Description	SWL, dB(A)	Source Height, mPD	Horizontal Dist to NAP, m	Slant Distance to NAP, m	Correction, dB(A)				Predicted SPL, dB(A)	Cumulative Impacts, dB(A)	ANL, dB(A)	Compliance [Y/N]
										Distance	Facade	Tonality	Screening				
N2	TCV-1-06	1	7.2	TCV-e	Pumping Station	67	6	10	10	-28	3	3	0	45	51	55	Y
				TCV-d	Sewage Pumping Station	78	6	130	130	-50	3	3	0	34			
				TCV-f	Sewage Pumping Station	75	4	215	215	-55	3	3	0	26			
				CMR SPS	Chung Mun Road Sewage Pumping Station	81	8	145	145	-51	3	3	0	36			
				TCW Railway	Tung Chung West Railway Station [2]	77	6	275	275	-57	3	3	0	26			
				HKIA										50 [1]			
		2	10.4	TCV-e	Pumping Station	67	6	10	11	-29	3	3	0	44	51	55	Y
				TCV-d	Sewage Pumping Station	78	6	130	130	-50	3	3	0	34			
				TCV-f	Sewage Pumping Station	75	4	215	215	-55	3	3	0	26			
				CMR SPS	Chung Mun Road Sewage Pumping Station	81	8	145	145	-51	3	3	0	36			
				TCW Railway	Tung Chung West Railway Station [2]	77	6	275	275	-57	3	3	0	26			
				HKIA										50 [1]			
		4	16.8	TCV-e	Pumping Station	67	6	10	15	-31	3	3	0	42	51	55	Y
				TCV-d	Sewage Pumping Station	78	6	130	130	-50	3	3	0	34			
				TCV-f	Sewage Pumping Station	75	4	215	215	-55	3	3	0	26			
				CMR SPS	Chung Mun Road Sewage Pumping Station	81	8	145	145	-51	3	3	0	36			
				TCW Railway	Tung Chung West Railway Station [2]	77	6	275	275	-57	3	3	0	26			
				HKIA										50 [1]			

Note:  
[1] Extracted from the predicted mitigated fixed noise impact in the approved EIA-223/2014  
[2] Due to large distance between the receiver and the Tung Chung West MTR Station, noise sources of the MTR station is assumed to be located at the station boundary nearest to the receiver.

Project: Tung Chung New Town Extension  
Project no. : 219844-70  
Tilte: Predicted Sound Pressure Level from noise sources

NSR ID: TCV-2-01  
1st Floor Level (mpd) 6  
Total number of floors: 4

NSR	Nearest NAP	Floor of NAP	Height of NAP, mPD	Source Location	Source Description	SWL, dB(A)	Source Height, mPD	Horizontal Dist to NAP, m	Slant Distance to NAP, m	Correction, dB(A)				Predicted SPL, dB(A)	Cumulative Impacts, dB(A)	ANL, dB(A)	Compliance [Y/N]
										Distance	Facade	Tonality	Screening				
N2	TCV-2-01	1	7.2	TCV-e	Pumping Station	67	6	25	25	-36	3	3	0	37	51	55	Y
				TCV-d	Sewage Pumping Station	78	6	40	40	-40	3	3	0	44			
				TCV-f	Sewage Pumping Station	75	4	170	170	-53	3	3	0	28			
				CMR SPS	Chung Mun Road Sewage Pumping Station	81	8	245	245	-56	3	3	0	31			
				HKIA										50 [1]			
		2	10.4	TCV-e	Pumping Station	67	6	25	25	-36	3	3	0	37	51	55	Y
				TCV-d	Sewage Pumping Station	78	6	40	40	-40	3	3	0	44			
				TCV-f	Sewage Pumping Station	75	4	170	170	-53	3	3	0	28			
				CMR SPS	Chung Mun Road Sewage Pumping Station	81	8	245	245	-56	3	3	0	31			
				HKIA										50 [1]			
		4	16.8	TCV-e	Pumping Station	67	6	25	27	-37	3	3	0	36	51	55	Y
				TCV-d	Sewage Pumping Station	78	6	40	40	-40	3	3	0	44			
				TCV-f	Sewage Pumping Station	75	4	170	170	-53	3	3	0	28			
				CMR SPS	Chung Mun Road Sewage Pumping Station	81	8	245	245	-56	3	3	0	31			
				HKIA										50 [1]			

Note:  
[1] Extracted from the predicted mitigated fixed noise impact in the approved EIA-223/2014



Project: Tung Chung New Town Extension  
Project no. : 219844-70  
Tilte: Predicted Sound Pressure Level from noise sources

NSR ID: TCV-2-02  
1st Floor Level (mpd) 6  
Total number of floors: 4

NSR	Nearest NAP	Floor of NAP	Height of NAP, mPD	Source Location	Source Description	SWL, dB(A)	Source Height, mPD	Horizontal Dist to NAP, m	Slant Distance to NAP, m	Correction, dB(A)				Predicted SPL, dB(A)	Cumulative Impacts, dB(A)	ANL, dB(A)	Compliance [Y/N]
										Distance	Facade	Tonality	Screening				
N2	TCV-2-02	1	7.2	CMR SPS	Chung Mun Road Sewage Pumping Station	81	8	290	290	-57	3	3	0	30	51	55	Y
					Sewage Pumping Station	78	6	35	35	-39	3	3	0	45			
				TCV-d	Sewage Pumping Station	75	4	230	230	-55	3	3	0	26			
				TCV-f	Sewage Pumping Station	75	4	230	230	-55	3	3	0	26			
				TCV-e	Pumping Station	67	6	40	40	-40	3	3	0	33			
		2	10.4	HKIA		-								50 [1]	51	55	Y
				CMR SPS	Chung Mun Road Sewage Pumping Station	81	8	290	290	-57	3	3	0	30			
					Sewage Pumping Station	78	6	35	35	-39	3	3	0	45			
				TCV-d	Sewage Pumping Station	75	4	230	230	-55	3	3	0	26			
				TCV-f	Sewage Pumping Station	75	4	230	230	-55	3	3	0	26			
		3	13.6	TCV-e	Pumping Station	67	6	40	40	-40	3	3	0	33	51	55	Y
				HKIA		-								50 [1]			
				CMR SPS	Chung Mun Road Sewage Pumping Station	81	8	290	290	-57	3	3	0	30			
					Sewage Pumping Station	78	6	35	35	-39	3	3	0	45			
				TCV-d	Sewage Pumping Station	75	4	230	230	-55	3	3	0	26			
				TCV-f	Sewage Pumping Station	75	4	230	230	-55	3	3	0	26			
				TCV-e	Pumping Station	67	6	40	40	-40	3	3	0	33			
				HKIA		-								50 [1]			

Note:  
[1] Extracted from the predicted mitigated fixed noise impact in the approved EIA-223/2014

Project: Tung Chung New Town Extension  
Project no. : 219844-70  
Tilte: Predicted Sound Pressure Level from noise sources

NSR ID: TCV-8-01  
1st Floor Level (mpd) 6  
Total number of floors: 4

NSR	Nearest NAP	Floor of NAP	Height of NAP, mPD	Source Location	Source Description	SWL, dB(A)	Source Height, mPD	Horizontal Dist to NAP, m	Slant Distance to NAP, m	Correction, dB(A)				Predicted SPL, dB(A)	Cumulative Impacts, dB(A)	ANL, dB(A)	Compliance [Y/N]
										Distance	Facade	Tonality	Screening				
N2	TCV-8-01	1	7.2	TCV-d	Sewage Pumping Station	78	6	225	225	-55	3	3	0	29	51	55	Y
				TCV-f	Sewage Pumping Station	75	4	25	25	-36	3	3	0	45			
				TCV-e	Pumping Station	67	6	25	150	-52	3	3	0	21			
				HKIA										50 [1]			
		2	10.4	TCV-d	Sewage Pumping Station	78	6	225	225	-55	3	3	0	29	51	55	Y
				TCV-f	Sewage Pumping Station	75	4	25	25	-36	3	3	0	45			
				TCV-e	Pumping Station	67	6	25	150	-52	3	3	0	21			
				HKIA										50 [1]			
		4	16.8	TCV-d	Sewage Pumping Station	78	6	225	225	-55	3	3	0	29	51	55	Y
				TCV-f	Sewage Pumping Station	75	4	25	25	-36	3	3	0	45			
				TCV-e	Pumping Station	67	6	25	150	-52	3	3	0	21			
				HKIA										50 [1]			

Note:  
[1] Extracted from the predicted mitigated fixed noise impact in the approved EIA-223/2014

Project: Tung Chung New Town Extension  
Project no. : 219844-70  
Tilte: Predicted Sound Pressure Level from noise sources

NSR ID: TCV-4-02  
1st Floor Level (mpd) 15  
Total number of floors: 4

NSR	Nearest NAP	Floor of NAP	Height of NAP, mPD	Source Location	Source Description	SWL, dB(A)	Source Height, mPD	Horizontal Dist to NAP, m	Slant Distance to NAP, m	Correction, dB(A)				Predicted SPL, dB(A)	Cumulative Impacts, dB(A)	ANL, dB(A)	Compliance [Y/N]
										Distance	Facade	Tonality	Screening				
N2	TCV-4-02	1	16.2	TCV-b	Sewage Pumping Station	71	15	15	15	-32	3	3	0	45	51	55	Y
				TCV-a	Pumping Station	71	13	40	40	-40	3	3	0	36			
				TCV-c	Pumping Station	73	18	110	110	-49	3	3	0	30			
				HKIA										50 [1]			
		2	19.4	TCV-b	Sewage Pumping Station	71	15	15	15	-32	3	3	0	45	51	55	Y
				TCV-a	Pumping Station	71	13	40	40	-40	3	3	0	36			
				TCV-c	Pumping Station	73	18	110	110	-49	3	3	0	30			
				HKIA										50 [1]			
		4	25.8	TCV-b	Sewage Pumping Station	71	15	15	15	-32	3	3	0	45	51	55	Y
				TCV-a	Pumping Station	71	13	40	40	-40	3	3	0	36			
				TCV-c	Pumping Station	73	18	110	110	-49	3	3	0	30			
				HKIA										50 [1]			

Note:  
[1] Extracted from the predicted mitigated fixed noise impact in the approved EIA-223/2014

Project: Tung Chung New Town Extension  
Project no. : 219844-70  
Tilte: Predicted Sound Pressure Level from noise sources

NSR ID: TCV-5a-01  
1st Floor Level (mpd) 18  
Total number of floors: 6

NSR	Nearest NAP	Floor of NAP	Height of NAP, mPD	Source Location	Source Description	SWL, dB(A)	Source Height, mPD	Horizontal Dist to NAP, m	Slant Distance to NAP, m	Correction, dB(A)				Predicted SPL, dB(A)	Cumulative Impacts, dB(A)	ANL, dB(A)	Compliance [Y/N]
										Distance	Facade	Tonality	Screening				
N2	TCV-5a-01	1	19.2	TCV-c	Pumping Station	73	18	30	30	-38	3	3	0	41	51	55	Y
				TCV-b	Sewage Pumping Station	71	15	210	210	-54	3	3	0	22			
				TCV-a	Pumping Station	71	13	240	240	-56	3	3	0	21			
				HKIA										50 [1]			
		3	25.6	TCV-c	Pumping Station	73	18	30	31	-38	3	3	0	41	51	55	Y
				TCV-b	Sewage Pumping Station	71	15	210	210	-54	3	3	0	22			
				TCV-a	Pumping Station	71	13	240	240	-56	3	3	0	21			
				HKIA										50 [1]			
		6	35.2	TCV-c	Pumping Station	73	18	30	35	-39	3	3	0	40	50	55	Y
				TCV-b	Sewage Pumping Station	71	15	210	210	-54	3	3	0	22			
				TCV-a	Pumping Station	71	13	240	240	-56	3	3	0	21			
				HKIA										50 [1]			

Note:  
[1] Extracted from the predicted mitigated fixed noise impact in the approved EIA-223/2014

Project: Tung Chung New Town Extension  
Project no. : 219844-70  
Tilte: Predicted Sound Pressure Level from noise sources

NSR ID: SLP-003  
1st Floor Level (mpd) 14.2  
Total number of floors: 3

NSR	Nearest NAP	Floor of NAP	Height of NAP, mPD	Source Location	Source Description	SWL, dB(A)	Source Height, mPD	Horizontal Dist to NAP, m	Slant Distance to NAP, m	Correction, dB(A)				Predicted SPL, dB(A)	Cumulative Impacts, dB(A)	ANL, dB(A)	Compliance [Y/N]
										Distance	Facade	Tonality	Screening				
N2	SLP-003	1	15.4	TCV-c	Pumping Station	73	18	20	20	-34	3	3	0	45	51	55	Y
				TCV-b	Sewage Pumping Station	71	15	110	110	-49	3	3	0	28			
				TCV-a	Pumping Station	71	13	140	140	-51	3	3	0	26			
				HKIA										50 [1]			
		2	18.4	TCV-c	Pumping Station	73	18	20	20	-34	3	3	0	45	51	55	Y
				TCV-b	Sewage Pumping Station	71	15	110	110	-49	3	3	0	28			
				TCV-a	Pumping Station	71	13	140	140	-51	3	3	0	26			
				HKIA										50 [1]			
		3	21.4	TCV-c	Pumping Station	73	18	20	20	-34	3	3	0	45	51	55	Y
				TCV-b	Sewage Pumping Station	71	15	110	110	-49	3	3	0	28			
				TCV-a	Pumping Station	71	13	140	140	-51	3	3	0	26			
				HKIA										50 [1]			

Note:  
[1] Extracted from the predicted mitigated fixed noise impact in the approved EIA-223/2014

Project: Tung Chung New Town Extension  
Project no. : 219844-70  
Tilte: Predicted Sound Pressure Level from noise sources

NSR ID: TCV-3-01  
1st Floor Level (mpd) 10  
Total number of floors: 4

NSR	Nearest NAP	Floor of NAP	Height of NAP, mPD	Source Location	Source Description	SWL, dB(A)	Source Height, mPD	Horizontal Dist to NAP, m	Slant Distance to NAP, m	Correction, dB(A)				Predicted SPL, dB(A)	Cumulative Impacts, dB(A)	ANL, dB(A)	Compliance [Y/N]
										Distance	Facade	Tonality	Screening				
N2	TCV-3-01	1	11.2	TCV-c	Pumping Station	73	18	230	230	-55	3	3	0	24	51	55	Y
				TCV-b	Sewage Pumping Station	71	15	160	160	-52	3	3	0	24			
				TCV-a	Pumping Station	71	13	15	15	-32	3	3	0	45			
				HKIA				-						50 [1]			
		2	14.4	TCV-c	Pumping Station	73	18	230	230	-55	3	3	0	24	51	55	Y
				TCV-b	Sewage Pumping Station	71	15	160	160	-52	3	3	0	24			
				TCV-a	Pumping Station	71	13	15	15	-32	3	3	0	45			
				HKIA				-						50 [1]			
		4	20.8	TCV-c	Pumping Station	73	18	230	230	-55	3	3	0	24	51	55	Y
				TCV-b	Sewage Pumping Station	71	15	160	160	-52	3	3	0	24			
				TCV-a	Pumping Station	71	13	15	15	-32	3	3	0	45			
				HKIA				-						50 [1]			

Note:  
[1] Extracted from the predicted mitigated fixed noise impact in the approved EIA-223/2014

Project: Tung Chung New Town Extension  
Project no. : 219844-70  
Tilte: Predicted Sound Pressure Level from noise sources

NSR ID: LNCP-003  
1st Floor Level (mpd) 48  
Total number of floors: 0

NSR	Nearest NAP	Floor of NAP	Height of NAP, mPD	Source Location	Source Description	SWL, dB(A)	Source Height, mPD	Horizontal Dist to NAP, m	Slant Distance to NAP, m	Correction, dB(A)				Predicted SPL, dB(A)	Cumulative Impacts, dB(A)	ANL, dB(A)	Compliance [Y/N]
										Distance	Facade	Tonality	Screening				
N2	LNCP-003	0	48	TCV-a	Pumping Station	71	13	200	203	-54	0	3	0	19	50	-	-
				TCV-b	Sewage Pumping Station	71	15	200	350	-59	0	3	0	15			
				TCV-c	Pumping Station	73	18	200	450	-61	0	3	0	15			
				HKIA					-					50 [1]			

Note:  
[1] Extracted from the predicted mitigated fixed noise impact in the approved EIA-223/2014

Project: Tung Chung New Town Extension  
Project no. : 219844-70  
Tilte: Predicted Sound Pressure Level from noise sources

NSR ID: LNCP-009  
1st Floor Level (mpd) 90  
Total number of floors: 0

NSR	Nearest NAP	Floor of NAP	Height of NAP, mPD	Source Location	Source Description	SWL, dB(A)	Source Height, mPD	Horizontal Dist to NAP, m	Slant Distance to NAP, m	Correction, dB(A)				Predicted SPL, dB(A)	Cumulative Impacts, dB(A)	ANL, dB(A)	Compliance [Y/N]
										Distance	Facade	Tonality	Screening				
N2	LNCP-009	0	90	TCV-c	Pumping Station	73	18	660	664	-64	0	3	0	12	50	-	-
				TCV-b	Sewage Pumping Station	71	15	710	714	-65	0	3	0	8			
				TCV-a	Pumping Station	71	13	750	754	-66	0	3	0	8			
				HKIA					-					50 [1]			

Note:  
[1] Extracted from the predicted mitigated fixed noise impact in the approved EIA-223/2014