

Construction Noise Impact on A/NSR12 (Works Type 1 associated with new cycle tracks, fill slopes, retaining wall, or structures)												
PME	TM or other reference	No. of PME	SWL, dB(A)	Total SWL, dB(A)	Slant dist. From NSR, m	Dist. Corr., dB(A)	% on time	% on time Corr., dB(A)	Screening Corr., dB(A)	Façade Corr., dB(A)	CNL, dB(A)	
Stage 1 - Site Clearance												
Excavator/ loader, wheeled/ tracked	CNP 081	1	112	112	8.0	-26.0	100%	0.0	0.0	3.0	89	
Crane, mobile/ barge mounted (diesel)	CNP 048	1	112	112	8.0	-26.0	100%	0.0	0.0	3.0	89	
Dump truck	CNP 067	1	117	117	8.0	-26.0	50%	-3.0	0.0	3.0	91	
Saw, circular, wood	CNP 201	1	108	108	8.0	-26.0	100%	0.0	0.0	3.0	85	Total CNL, dB(A)
												95
Stage 2 - Levelling/ Excavation works												
Air compressor, air flow > 10m3/min and <= 30m3/min	CNP 002	1	102	102	8.0	-26.0	100%	0.0	0.0	3.0	79	
Breaker, hand-held, mass > 10kg and < 20kg	CNP 024	2	108	111	8.0	-26.0	100%	0.0	0.0	3.0	88	
Dump truck	CNP 067	1	117	117	8.0	-26.0	50%	-3.0	0.0	3.0	91	
Excavator/ loader, wheeled/ tracked	CNP 081	1	112	112	8.0	-26.0	100%	0.0	0.0	3.0	89	Total CNL, dB(A)
												94
Stage 3 - Construction/ Paving works												
Group 1 - slope works/ retaining wall												
Bar bender and cutter (electric)	CNP 021	1	90	90	8.0	-26.0	100%	0.0	0.0	3.0	67	
Vibrating Hammer	[Note 1]	1	115	115	8.0	-26.0	100%	0.0	0.0	3.0	92	
Generator, silenced, 75 dB(A) at 7 m	CNP 102	1	100	100	8.0	-26.0	100%	0.0	0.0	3.0	77	
Concrete lorry mixer	CNP 044	1	109	109	8.0	-26.0	100%	0.0	0.0	3.0	86	
Lorry	CNP 141	1	112	112	8.0	-26.0	100%	0.0	0.0	3.0	89	
Poker, vibratory, hand-held	CNP 170	1	113	113	8.0	-26.0	100%	0.0	0.0	3.0	90	
Excavator/ loader, wheeled/ tracked	CNP 081	1	112	112	8.0	-26.0	100%	0.0	0.0	3.0	89	
Crane, mobile/ barge mounted (diesel)	CNP 048	1	112	112	8.0	-26.0	100%	0.0	0.0	3.0	89	Total CNL, dB(A)
												97
Group 2 - paving works												
Asphalt paver	CNP 004	1	109	109	8.0	-26.0	100%	0.0	0.0	3.0	86	
Excavator/ loader, wheeled/ tracked	CNP 081	1	112	112	8.0	-26.0	100%	0.0	0.0	3.0	89	
Air compressor, air flow > 10m3/min and <= 30m3/min	CNP 002	1	102	102	8.0	-26.0	100%	0.0	0.0	3.0	79	
Compactor, vibratory	CNP 050	1	105	105	8.0	-26.0	50%	-3.0	0.0	3.0	79	
Lorry	CNP 141	1	112	112	8.0	-26.0	100%	0.0	0.0	3.0	89	
Road roller	CNP 185	1	108	108	8.0	-26.0	100%	0.0	0.0	3.0	85	Total CNL, dB(A)
												94
Group 3 - foundation for bridges												
Piling, earth auger, auger	CNP 167	1	114	114	8.0	-26.0	100%	0.0	0.0	3.0	91	
Air compressor, air flow > 10m3/min and <= 30m3/min	CNP 002	2	102	105	8.0	-26.0	100%	0.0	0.0	3.0	82	
Crane, mobile/ barge mounted (diesel)	CNP 048	1	112	112	8.0	-26.0	100%	0.0	0.0	3.0	89	
Grout Mixer	[Note 1]	1	90	90	8.0	-26.0	100%	0.0	0.0	3.0	67	
Grout Pump	[Note 1]	1	105	105	8.0	-26.0	100%	0.0	0.0	3.0	82	
Generator, silenced, 75 dB(A) at 7 m	CNP 102	1	100	100	8.0	-26.0	100%	0.0	0.0	3.0	77	Total CNL, dB(A)
												94
Group 4 - structures/subways/bridges												
Excavator/ loader, wheeled/ tracked	CNP 081	1	112	112	8.0	-26.0	100%	0.0	0.0	3.0	89	
Bar bender and cutter (electric)	CNP 021	1	90	90	8.0	-26.0	100%	0.0	0.0	3.0	67	
Concrete lorry mixer	CNP 044	1	109	109	8.0	-26.0	100%	0.0	0.0	3.0	86	
Compactor, vibratory	CNP 050	1	105	105	8.0	-26.0	50%	-3.0	0.0	3.0	79	
Generator, silenced, 75 dB(A) at 7 m	CNP 102	1	100	100	8.0	-26.0	100%	0.0	0.0	3.0	77	
Poker, vibratory, hand-held	CNP 170	1	113	113	8.0	-26.0	100%	0.0	0.0	3.0	90	
Lorry	CNP 141	1	112	112	8.0	-26.0	100%	0.0	0.0	3.0	89	
Crane, mobile/ barge mounted (diesel)	CNP 048	1	112	112	8.0	-26.0	100%	0.0	0.0	3.0	89	Total CNL, dB(A)
												96
[Note 1] – Details extracted from EPD website: http://www.epd.gov.hk/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf												
NB Group 1 - 4 works will not be conducted simultaneously. Work stages will not overlap.												Max. =
												97

Construction Noise Impact on A/NSR01 (Works Type 2 involving resting stations/ Information Kiosk)												
PME	TM or other reference	No. of PME	SWL, dB(A)	Total SWL, dB(A)	Slant dist. From NSR, m	Dist. Corr., dB(A)	% on time	% on time Corr., dB(A)	Screening Corr., dB(A)	Façade Corr., dB(A)	CNL, dB(A)	
Stage 1 - Site Clearance												
Excavator/ loader, wheeled/ tracked	CNP 081	1	112	112	156.0	-51.8	100%	0.0	0.0	3.0	63	
Crane, mobile/ barge mounted (diesel)	CNP 048	1	112	112	156.0	-51.8	100%	0.0	0.0	3.0	63	
Dump truck	CNP 067	1	117	117	156.0	-51.8	50%	-3.0	0.0	3.0	65	
Saw, circular, wood	CNP 201	1	108	108	156.0	-51.8	100%	0.0	0.0	3.0	59	
Total CNL, dB(A)											69	
Stage 2 - Levelling/ Excavation works												
Air compressor, air flow > 10m ³ /min and ≤ 30m ³ /min	CNP 002	1	102	102	156.0	-51.8	100%	0.0	0.0	3.0	53	
Breaker, hand-held, mass > 10kg and < 20kg	CNP 024	2	108	111	156.0	-51.8	100%	0.0	0.0	3.0	62	
Dump truck	CNP 067	1	117	117	156.0	-51.8	50%	-3.0	0.0	3.0	65	
Excavator/ loader, wheeled/ tracked	CNP 081	1	112	112	156.0	-51.8	100%	0.0	0.0	3.0	63	
Total CNL, dB(A)											68	
Stage 3 - Construction/ Paving works												
Group 1 - slope works/ retaining wall												
Bar bender and cutter (electric)	CNP 021	1	90	90	156.0	-51.8	100%	0.0	0.0	3.0	41	
Vibrating Hammer	---	1	115	115	156.0	-51.8	100%	0.0	0.0	3.0	66	
Generator, silenced, 75 dB(A) at 7 m	CNP 102	1	100	100	156.0	-51.8	100%	0.0	0.0	3.0	51	
Concrete lorry mixer	CNP 044	1	109	109	156.0	-51.8	100%	0.0	0.0	3.0	60	
Lorry	CNP 141	1	112	112	156.0	-51.8	100%	0.0	0.0	3.0	63	
Poker, vibratory, hand-held	CNP 170	1	113	113	156.0	-51.8	100%	0.0	0.0	3.0	64	
Excavator/ loader, wheeled/ tracked	CNP 081	1	112	112	156.0	-51.8	100%	0.0	0.0	3.0	63	
Crane, mobile/ barge mounted (diesel)	CNP 048	1	112	112	156.0	-51.8	100%	0.0	0.0	3.0	63	
Total CNL, dB(A)											71	
Group 2- paving works												
Asphalt paver	CNP 004	1	109	109	156.0	-51.8	100%	0.0	0.0	3.0	60	
Excavator/ loader, wheeled/ tracked	CNP 081	1	112	112	156.0	-51.8	100%	0.0	0.0	3.0	63	
Air compressor, air flow > 10m ³ /min and ≤ 30m ³ /min	CNP 002	1	102	102	156.0	-51.8	100%	0.0	0.0	3.0	53	
Compactor, vibratory	CNP 050	1	105	105	156.0	-51.8	50%	-3.0	0.0	3.0	53	
Lorry	CNP 141	1	112	112	156.0	-51.8	100%	0.0	0.0	3.0	63	
Road roller	CNP 185	1	108	108	156.0	-51.8	100%	0.0	0.0	3.0	59	
Total CNL, dB(A)											68	
Group 3 - structures												
Excavator/ loader, wheeled/ tracked	CNP 081	1	112	112	156.0	-51.8	100%	0.0	0.0	3.0	63	
Bar bender and cutter (electric)	CNP 021	1	90	90	156.0	-51.8	100%	0.0	0.0	3.0	41	
Concrete lorry mixer	CNP 044	1	109	109	156.0	-51.8	100%	0.0	0.0	3.0	60	
Compactor, vibratory	CNP 050	1	105	105	156.0	-51.8	50%	-3.0	0.0	3.0	53	
Generator, silenced, 75 dB(A) at 7 m	CNP 102	1	100	100	156.0	-51.8	100%	0.0	0.0	3.0	51	
Poker, vibratory, hand-held	CNP 170	1	113	113	156.0	-51.8	100%	0.0	0.0	3.0	64	
Lorry	CNP 141	1	112	112	156.0	-51.8	100%	0.0	0.0	3.0	63	
Crane, mobile/ barge mounted (diesel)	CNP 048	1	112	112	156.0	-51.8	100%	0.0	0.0	3.0	63	
Total CNL, dB(A)											70	
Group 4- fitting works												
Crane, mobile/ barge mounted (diesel)	CNP 048	1	112	112	156.0	-51.8	100%	0.0	0.0	3.0	63	
Drill/grinder, hand-held (electric)	CNP 065	3	98	103	156.0	-51.8	100%	0.0	0.0	3.0	54	
Saw, circular, wood	CNP 201	1	108	108	156.0	-51.8	100%	0.0	0.0	3.0	59	
Generator, silenced, 75 dB(A) at 7 m	CNP 102	1	100	100	156.0	-51.8	100%	0.0	0.0	3.0	51	
Lorry	CNP 141	1	112	112	156.0	-51.8	100%	0.0	0.0	3.0	63	
Total CNL, dB(A)											67	
[Note 1] – Details extracted from EPD website: http://www.epd.gov.hk/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf												
NB Group 1 - 4 works will not be conducted simultaneously. Work stages will not overlap.											Max. =	71

NSR Label	Descriptions	Floor	Distance, metre			Subject to noise from Works Type		Noise Criteria, dB(A)	Unmitigated Worst Case Noise Impact, dB(A)	Unmitigated Noise Impact, dB(A) Works Type 1						Unmitigated Noise Impact, dB(A) Works Type 2						
			NSR to Site Boundary	Vert. dist	Slant dist.	1	2			[1]	[2]	[3-1]	[3-2]	[1-3-3]	[1-3-4]	[1]	[2]	[3-1]	[3-2]	[2-3-3]	[2-3-4]	
Existing Noise Sensitive Uses																						
A/NSR01	Village House near Kam Tin River (Possible cumulative noise impact due to cycle track & R5)	G/F	55	0.7	55.0	Y	Y	75	79	78	77		77									
		1/F		3.5	55.1				79	78	77											
		2/F		6.3	55.4				79	78	77											
	Village House near Kam Tin River (Impact due to Resting Station - R5 only)	G/F	156	0.0	156.0		Y	75	71	-	-		-				69	68	71	68	70	67
		1/F		2.8	156.0	71			-	-		-			69	68	71	68	70	67		
		2/F		5.6	156.1	71			-	-		-			69	68	71	68	70	67		
A/NSR02	Village House near Kam Tin River	G/F	77	0.7	77.0	Y		75	75	75	74		74									
		1/F		3.5	77.1		75		75	74		74										
		2/F		6.3	77.3		75		75	74		74										
A/NSR03	No.28 Man Yuen Chuen (Possible cumulative noise impact due to cycle track & R6)	G/F	24	1.1	24.0	Y	Y	75	87	85	84		84			86						
		1/F		3.9	24.3				87	85	84		84			86						
		2/F		9.5	25.8				87	85	84		84			86						
	No.28 Man Yuen Chuen (Impact due to Resting Station - R6 only)	G/F	94	0.1	94.0		Y	75	75	-	-		-				73	72	75	72	74	71
		1/F		2.9	94.0	75			-	-		-			73	72	75	72	74	71		
		2/F		8.5	94.4	75			-	-		-			73	72	75	72	74	71		
A/NSR04	Wong Chan Sook Ying Memorial School	G/F	97	1.0	97.0	Y		70	75	73	72		72									
		2/F		6.6	97.2		75		73	72		72										
		4/F		12.2	97.8		75		73	72		72										
	Wong Chan Sook Ying Memorial School (Examination Period)	G/F	97	1.0	97.0	Y		65	75	73	72		72									
		2/F		6.6	97.2		75		73	72		72										
		4/F		12.2	97.8		75		73	72		72										
A/NSR04a	No. 10 Yau Pok Road	G/F	60	0.7	60.0	Y		75	79	77	76		76									
		1/F		3.5	60.1		79		77	76		76										
		2/F		6.3	60.3		79		77	76		76										
A/NSR05	Bethel High School	G/F	80	0.3	80.0	Y		70	77	75	74		74									
		1/F		3.1	80.1		77		75	74		74										
		3/F		14.3	81.3		77		75	74		74										
	Bethel High School (Examination Period)	G/F	80	0.3	80.0	Y		65	77	75	74		74									
		1/F		3.1	80.1		77		75	74		74										
		3/F		14.3	81.3		77		75	74		74										
A/NSR06	House in Fairview Park	G/F	37	0.9	37.0	Y		75	84	82	81		81									
		1/F		3.7	37.2		84		82	81		81										
		2/F		9.3	38.2		83		81	80		80										
A/NSR07	No. 53 Castle Peak Road - Mai Po (NB: distance from retaining wall is 66 m)	G/F	12	0.9	12.0	Y		75	91	91	90		90									
A/NSR08	No. 1, Yau Mei San Tsuen (Possible cumulative noise impact due to cycle track & R7) (NB: distance from retaining wall is 80 m)	G/F	21	0.5	21.0	Y	Y	75	87	87	86		86									
		1/F		3.3	21.3				86	86	85		85									
		2/F		6.1	21.9				86	86	85		85									
	No. 1, Yau Mei San Tsuen (Impact due to Resting Station - R7 only)	G/F	95	1.0	95.0		Y	75	75	-	-		-				73	72	75	72	74	71
		1/F		3.8	95.1	75			-	-		-			73	72	75	72	74	71		
		2/F		6.6	95.2	75			-	-		-			73	72	75	72	74	71		

Works Type: [1] Site clearance; [2] levelling/ excavation; [3-1] Slope works/ retaining wall; [3-2] Paving; [1-3-3] Foundation for bridges; [1-3-4] Structure/ subway/ bridge; [2-3-3] Structures; [2-3-4] Fitting

NSR Label	Descriptions	Floor	Distance, metre			Subject to noise from Works Type		Noise Criteria, dB(A)	Unmitigated Worst Case Noise Impact, dB(A)	Unmitigated Noise Impact, dB(A) Works Type 1						Unmitigated Noise Impact, dB(A) Works Type 2					
			NSR to Site Boundary	Vert. dist	Slant dist.	1	2			[1]	[2]	[3-1]	[3-2]	[1-3-3]	[1-3-4]	[1]	[2]	[3-1]	[3-2]	[2-3-3]	[2-3-4]
Existing Noise Sensitive Uses																					
A/NSR09	House in Green Crest	G/F 1/F 2/F	123	3.4 6.2 9.0	123.0 123.2 123.3	Y		75	71 71 71	71 71 71	70 70 70		70 70 70								
A/NSR10	House in Royal Palms	G/F 1/F 2/F	123	0.0 2.8 5.6	123.0 123.0 123.1	Y		75	73 73 73	71 71 71	70 70 70	73 73 73	70 70 70								
A/NSR11	House B15 in Maple Gardens (NB: distance from retaining wall is 138 m)	G/F 1/F 2/F	86	5.2 8.0 10.8	86.2 86.4 86.7	Y		75	74 74 74	74 74 74	73 73 73	72 72 72	73 73 73								
A/NSR11a	House C1, Casa Paradizo	G/F 1/F 2/F	70	5.2 8.0 10.8	70.2 70.5 70.8	Y		75	78 78 78	76 76 76	75 75 75	78 78 78	75 75 75								
A/NSR12	No.159 Mai Po San Tsuen (NB: distance from retaining wall is 60 m)	G/F 1/F 2/F	8	0.7 3.5 6.3	8.0 8.7 10.2	Y		75	95 94 93	95 94 93	94 93 92	79 79 79	94 93 92								
A/NSR13	No. 1C Mai Po Lo Wai	G/F 1/F 2/F	12	1.2 4.0 6.8	12.1 12.7 13.8	Y		75	93 93 92	91 91 90	90 90 89	93 93 92	90 90 89								
A/NSR13a	Yeung Hau Temple (NB: distance from retaining wall is 70 m)	G/F	15	1.2	15.1	Y		70	89	89	88	78	88								
A/NSR14	No.111 Tsing Lung Tsuen	G/F 1/F 2/F	80	-0.1 2.7 8.3	80.0 80.0 80.4	Y	Y	75	77 77 77	75 75 75	74 74 74	77 77 77	74 74 74								
	No.111 Tsing Lung Tsuen (Impact due to Resting Station - R8 only)	G/F 1/F 2/F	285	-0.1 2.7 8.3	285.0 285.0 285.1		Y	75	66 66 66	- - -	- - -	- - -	- - -	- - -	64 64 64	63 63 63	66 66 66	63 63 63	65 65 65	62 62 62	
A/NSR15	No. 88 Yan Shau Wai (NB: distance from retaining wall is 123 m)	G/F 1/F 2/F	72	0.4 3.2 6.0	72.0 72.1 72.3	Y		75	76 76 76	76 76 76	75 75 75	73 73 73	75 75 75								
A/NSR16	No. 68N Tung Chan Wai (NB: distance from retaining wall is 175 m)	G/F 1/F 2/F	70	2.5 5.3 8.1	70.0 70.2 70.5	Y		75	76 76 76	76 76 76	75 75 75	70 70 70	75 75 75								
A/NSR17	No. 78 Tung Chan Wai (NB: distance from retaining wall is 185 m)	G/F 1/F 2/F	67	2.2 5.0 7.8	67.0 67.2 67.5	Y		75	77 77 76	77 77 76	76 76 75	70 70 70	76 76 75								

Works Type: [1] Site clearance; [2] levelling/ excavation; [3-1] Slope works/ retaining wall; [3-2] Paving; [1-3-3] Foundation for bridges; [1-3-4] Structure/ subway/ bridge; [2-3-3] Structures; [2-3-4] Fitting

NSR Label	Descriptions	Floor	Distance, metre			Subject to noise from Works Type		Noise Criteria, dB(A)	Unmitigated Worst Case Noise Impact, dB(A)	Unmitigated Noise Impact, dB(A)						Unmitigated Noise Impact, dB(A)					
			NSR to Site Boundary	Vert. dist	Slant dist.	1	2			Works Type 1				Works Type 2							
										[1]	[2]	[3-1]	[3-2]	[1-3-3]	[1-3-4]	[1]	[2]	[3-1]	[3-2]	[2-3-3]	[2-3-4]
Existing Noise Sensitive Uses																					
A/NSR18	B15 of Europa Garden	G/F	67	2.9	67.1	Y		75	77	77	76		76								
		1/F		5.7	67.2				77	77	76		76								
		2/F		8.5	67.5				76	76	75		75								
A/NSR19	Block 2, Dills Corner Garden	G/F	6	1.1	6.1	Y		75	97	97	96		96								
		1/F		3.9	7.2				96	96	95		95								
A/NSR20	Ku Tung Public Oi Wah School	G/F	150	0.7	150.0	Y		70	72	70	69		72	69							
		1/F		3.5	150.0				72	70	69		72	69							
		2/F		6.3	150.1				72	70	69		72	69							
	Ku Tung Public Oi Wah School (Examination Period)	G/F	150	0.7	150.0	Y		65	72	70	69		72	69							
		1/F		3.5	150.0				72	70	69		72	69							
		2/F		6.3	150.1				72	70	69		72	69							
A/NSR21	Home of Loving Faithfulness (NB: distance from retaining wall is 72m)	G/F	13	2.0	13.1	Y		75	91	91	90		78	90							
		1/F		4.8	13.8				90	90	89		78	89							
		2/F		7.6	15.0				90	90	89		78	89							
A/NSR22	No.D2A Ho Sheung Heung	G/F	84	0.9	84.0	Y	Y	75	78	75	74		77	74							
		1/F		3.7	84.1				78	75	74		77	74							
		2/F		6.5	84.3				78	75	74		77	74							
	No.D2A Ho Sheung Heung (Impact due to Resting Station - R9 and Information Kiosk only)	G/F	161	0.9	161.0		Y	75	71	-	-		-	-	69	68	71	68	70	67	
		1/F		3.7	161.0				71	-	-		-	-	69	68	71	68	70	67	
		2/F		6.5	161.1				71	-	-		-	-	69	68	71	68	70	67	
A/NSR23	No. C110 Tsung Pak Long Village	G/F	24	1.0	24.0	Y		75	87	85	84		87	84	84	86					
		1/F		3.8	24.3				87	85	84		87	84	84	86					
		2/F		9.4	25.8				87	85	84		87	84	84	86					
Planned Noise Sensitive Uses																					
A/NSR_P01a	"CDA" site as in Kam Tin North OZP No. S/YL-KTN/7	G/F	260	1.1	260.0	Y		75	67	65	64		67	64							
		1/F		3.9	260.0				67	65	64		67	64							
A/NSR_P01	Application no.: A/DPA/YL-NSW/012, Approved Use - Golf Course and Residential Development	G/F	275	0.5	275.0	Y		75	66	64	63		66	63							
		1/F		3.3	275.0				66	64	63		66	63							
		2/F		6.1	275.1				66	64	63		66	63							
A/NSR_P02	Application No.: A/YL-MP/156, Approved Use - Houses with Ancillary Club House and Recreational Facilities	G/F	85	0.1	85.0	Y		75	76	74	73		76	73							
		1/F		2.9	85.0				76	74	73		76	73							
		2/F		5.7	85.2				76	74	73		76	73							
A/NSR_P03	Application No.: A/YL-MP/146, Approved Uses - Residential Development	G/F	82	-1.0	82.0	Y		75	77	75	74		77	74							
		1/F		1.8	82.0				77	75	74		77	74							
		2/F		4.6	82.1				77	75	74		77	74							
A/NSR_P04	Application No.: A/NE-KTS/228-1, Approved Use - Houses	G/F	60	-0.4	60.0	Y		75	79	77	76		79	76							
		1/F		2.4	60.0				79	77	76		79	76							
		2/F		5.2	60.2				79	77	76		79	76							

Works Type: [1] Site clearance; [2] levelling/ excavation; [3-1] Slope works/ retaining wall; [3-2] Paving; [1-3-3] Foundation for bridges; [1-3-4] Structure/ subway/ bridge; [2-3-3] Structures; [2-3-4] Fitting