

Appendix 4-5A

Calculation of Cumulative Construction Noise Due to Approved and Planned Developmetn Projects including Planned “REC Site”

Appendix 4-5A Assessment on Cumulative Construction Noise Taking into Account Concurrent Construction with the Planned “REC” Site

Introduction

Cumulative construction noise impacts due to approved EIA projects as well as nearby planned development sites, have been assessed in Section 4.8 of the EIA report. It was identified in Section 4.8.1 that concurrent construction of the approved cycle track project; approved public sewerage project; as well as planned “Kam Pok Road Site”, and “RD Site” may potentially occur during the construction of this Project given. Thus, cumulative construction noise impacts due to these planned projects have been assessed accordingly. For the planned “REC site”, there was no updated project information available previously, thus cumulative noise impact was not assessed.

Calculated cumulative construction noise levels taking into account the above-mentioned planned projects have been provided in Section 4.8, and the results are summarised in **Table 4-17**.

Given that the planned “REC Site” EIA report has recently been approved. Construction programme of the planned “REC Site” in that report has been referenced, and cumulative construction noise impact has been assessed accordingly.

Identification of Overlapped Construction Activities

Given that a solid construction programme for the planned “REC Site” has now become available, cumulative construction activities due to concurrent construction of this Project and that of the planned “REC Site” project, has been identified.

It is found that overlapping of construction works of these two projects will occur between April 2017 and September 2018. The concerned concurrent construction activities are highlighted in the construction programme attached in **Annex A**, which are also summarized below.

	2017										2018								
	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	
This Project	Q+V +R	S+T								S	S+U	U							
Planned “REC Site” project	Northern: Nil Southern: D		Northern: D Southern: D		Northern: Nil Southern: D		Northern: Nil Southern: A+G+F			Northern: A+G Southern: Nil									

Having considered the above concurrent construction activities of the two projects, the following combinations of concurrent works have been selected for further noise calculation, which would represent cumulative noise under a worst case scenario.

Combination	This Project	Planned "REC Site" project
1	Q+V+R	Northern: Nil Southern: D
2	S+T	Northern: D Southern: D
3	S+U	Northern: Nil Southern: A+G+F
4	U	Northern: A+G Southern: Nil

Calculation of Cumulative Construction Noise Level

With regard to the above, calculated mitigated construction noise levels due to this Project were directly extracted from Appendix 4-3C and Appendix 4-3B, which are also extracted in Annex C below for ease of reference.

While the calculated construction noise levels due to the planned "REC Site" project were directly extracted from its EIA report (also attached in Annex B below).

The above four combinations of concurrent works have been tested, and the results are presented in Annex D below.

It was found that construction of the planned "REC Site" project will not have adverse impact as the calculated cumulative construction noise level would still be within the relevant noise criteria. As such, no unacceptable noise impact is anticipated.

Annex A

Construction Programme of this Project and that
of the planned "REC" Site

Appendix 1-1 Fairview Park REC Site Construction Programme

Construction Activity	2017												2018												2019												2020																				
	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12									
Site Formation (Northern Portion):																																																									
Site clearance and preparation																																																									
A Site Formation, Filling and Excavation																																																									
G Dump Trucks Travelling on Haul Road during Site Formation																																																									
Site Formation (Southern Portion):																																																									
Site clearance and preparation																																																									
A Site Formation, Filling and Excavation																																																									
G Dump Trucks Travelling on Haul Road during Site Formation																																																									
Sub-structure (Pile Cap) (for southern portion only)																																																									
F Southern Portion																																																									
Foundation (piling)																																																									
D Northern Portion																																																									
D Southern Portion																																																									
Superstructure																																																									
E Northern Portion																																																									
E Southern Portion																																																									
Construction of Underground Services and Utilities																																																									
B Northern Portion																																																									
B Southern Portion																																																									
Roadworks																																																									
C Northern Portion																																																									
C Southern Portion																																																									

Concurrent Construction Activities by Work Group	Northern: Nil; Southern: D	Northern: D; Southern: D	Northern Portion: Nil; Southern Portion: A+C+F	Northern Portion: A+C; Southern Portion: Nil	Northern Portion: E; Southern Portion: E	Northern Portion: B; Southern Portion: E	Northern Portion: C; Southern Portion: E	Northern Portion: nil; Southern Portion: B+C
	3.5 months	2.5 months	7.5 months	7.5 months	3 months	4 months	2.5 months	4 months

Remark:
The above Construction Programme for Site Formation is prepared with the following assumption:
Working hours = 08:00 to 18:00 hours
Working days = 25 days per months

Construction activities that will be constructed concurrently with the planned "Yau Mei Site"

Annex B

Extracted Information from the Planned "REC Site" EIA report
(EIA-220/2014)

Table 4-19 Mitigated Construction Noise Levels With the Use of QPMEs, Movable Noise Barriers and Temp. Fixed Noise Barriers #

NSR Label	Descriptions	Northern Portion					Southern Portion					Northern and Southern Portions *					Noise Criteria						
		A	B	C	D	E	A	B	C	D	E	F	G	Noise Level Due To Concurrent Construction Activities									
		Site Formation, Filling and Excavation	Construction of Underground Services and Utilities	Road works	Foundation (Piling)	Superstructure	Dump Trucks Travelling on Haul Road During Site Formation	Site Formation, Filling and Excavation	Construction of Underground Services and Utilities	Road works	Foundation (Piling)	Superstructure	Sub-structure (Pile Cap)	Dump Trucks Travelling on Haul Road During Site Formation	Northern: D; Southern: D	Northern: Nil; Southern: A+G+F	Northern: A+G; Southern: nil	northern: E; Southern: E	northern: B; Southern: E	northern: C; Southern: E	northern: nil; Southern: B+C	Highest Noise Level (due to REC site), dB(A) (A)	
N1	Fairview Park	56	54	54	57	54	56	71	70	72	74	71	71	64	74	74	59	71	71	71	74	74	75
N2	Fairview Park	57	55	55	58	55	57	70	69	71	73	70	70	64	73	74	60	70	70	70	73	74	75
N3	Fairview Park	57	56	55	57	57	54	66	66	67	68	68	66	59	68	69	59	68	68	68	69	69	75
N4	Fairview Park	66	64	64	67	64	61	66	66	67	68	68	66	59	71	70	67	70	70	70	70	71	75
N5	Fairview Park	72	70	70	73	70	64	58	57	59	61	58	58	58	73	63	72	70	70	70	61	73	75
N6	Fairview Park	72	70	70	73	70	64	53	52	54	56	53	53	55	73	59	73	70	70	70	56	73	75
N7	Yau Mei San Tsuen	59	57	57	60	57	69	49	48	50	52	49	49	66	60	66	70	57	57	57	53	70	75
N8	Chuk Yuen Tsuen	59	57	57	60	57	58	54	53	55	57	54	54	56	62	59	61	59	59	59	57	62	75
N9	Chuk Yuen Tsuen	59	57	57	60	57	57	53	52	54	56	53	53	55	61	59	61	58	58	58	56	61	75
N10	Bethel High School	56	55	54	56	56	53	66	66	67	68	68	66	59	68	69	58	68	68	68	69	69	70 (65 during exam)
N11	Helene Terrace	54	52	52	55	52	55	61	60	62	64	61	61	60	65	66	57	62	62	62	64	66	75
N12	Villa Camilia	53	51	51	54	51	54	56	55	57	58	56	56	57	60	61	57	57	57	57	60	61	75
N13	Fairview Park	54	52	52	55	52	55	68	67	69	71	68	68	63	71	71	58	68	68	68	71	71	75
N14	Wong Chan Sook Ying Memorial School	53	51	51	54	51	55	63	62	64	66	63	63	60	66	67	57	63	63	63	66	67	70 (65 during exam)
N15	Man Yuen Tsuen	52	50	50	53	50	54	60	59	61	63	60	60	59	63	64	56	60	60	60	63	64	75
N16	Fairview Park	68	66	66	69	66	62	52	51	53	55	52	52	55	69	58	69	66	66	66	55	69	75
N17	Palm Springs	57	55	55	58	55	57	49	48	50	52	49	49	53	59	55	60	56	56	56	52	60	75
N18	Temp. house at Yau Mei San Tsuen	58	56	56	59	56	57	49	48	50	52	49	49	53	59	56	60	56	56	56	52	60	75
N19	Existing village house	54	52	52	55	52	55	59	58	60	62	59	59	58	62	63	58	59	59	59	62	63	75
N20	Fairview Park	72	70	70	73	70	64	52	51	53	55	52	52	55	73	58	73	70	70	70	55	73	75
Planned NSRs																							
N1P	Planned Development at Yau Mei Site	73	71	71	74	71	64	54	53	55	57	54	54	56	74	59	73	71	71	71	57	74	75
N2P	Planning Development at Kam Pok Road Site	56	54	54	57	54	56	64	63	65	67	64	64	61	68	68	59	65	65	65	68	68	75
N3P	Planning Development at Kam Pok Road Site	63	61	61	64	61	60	64	63	65	67	64	64	61	69	68	65	66	66	66	67	69	75
N4P	Planned Development at R(D) Site	66	64	64	67	64	61	61	60	62	64	61	61	59	69	65	67	66	66	66	64	69	75
N5P	Planned Development at R(D) Site	63	61	61	64	61	60	52	51	53	55	52	52	55	65	58	65	62	62	62	55	65	75

Extracted from Table 4-19, "Environmental Impact Assessment Proposed Residential cum Passive Recreational Development within "Recreation" ("REC") Zone and "Residential (Group C)" Zone at Various Lots in DD104, Yuen Long, N.T." (EIA-220/2014).

Note: Please refer to **Appendix 4-4** and **Appendix 4-4A** for the sample calculation and **Figure 4-2A** for the NSR locations.

* Please refer to **Appendix 1-1** for the construction programme and the duration of concurrent construction activities.

With regard to the above, the mitigated noise level for the NSRs are based on those presented in **Table 4-18** with the adoption of QPMEs and movable noise barriers. While, the mitigated noise levels for NSR N10 and N3 are based on those presented in **Appendix 4-4A** with the adoption of QPMEs, movable noise barriers and temp. fixed noise barrier. For NSR N4, the proposed temp. fixed noise barrier will also provide noise shielding to the Southern Portion as shown in the noise calculation in **Appendix 4-4A**.

Calculated construction noise levels of construction activities that will be constructed concurrently with the planned "Yau Mei Site"

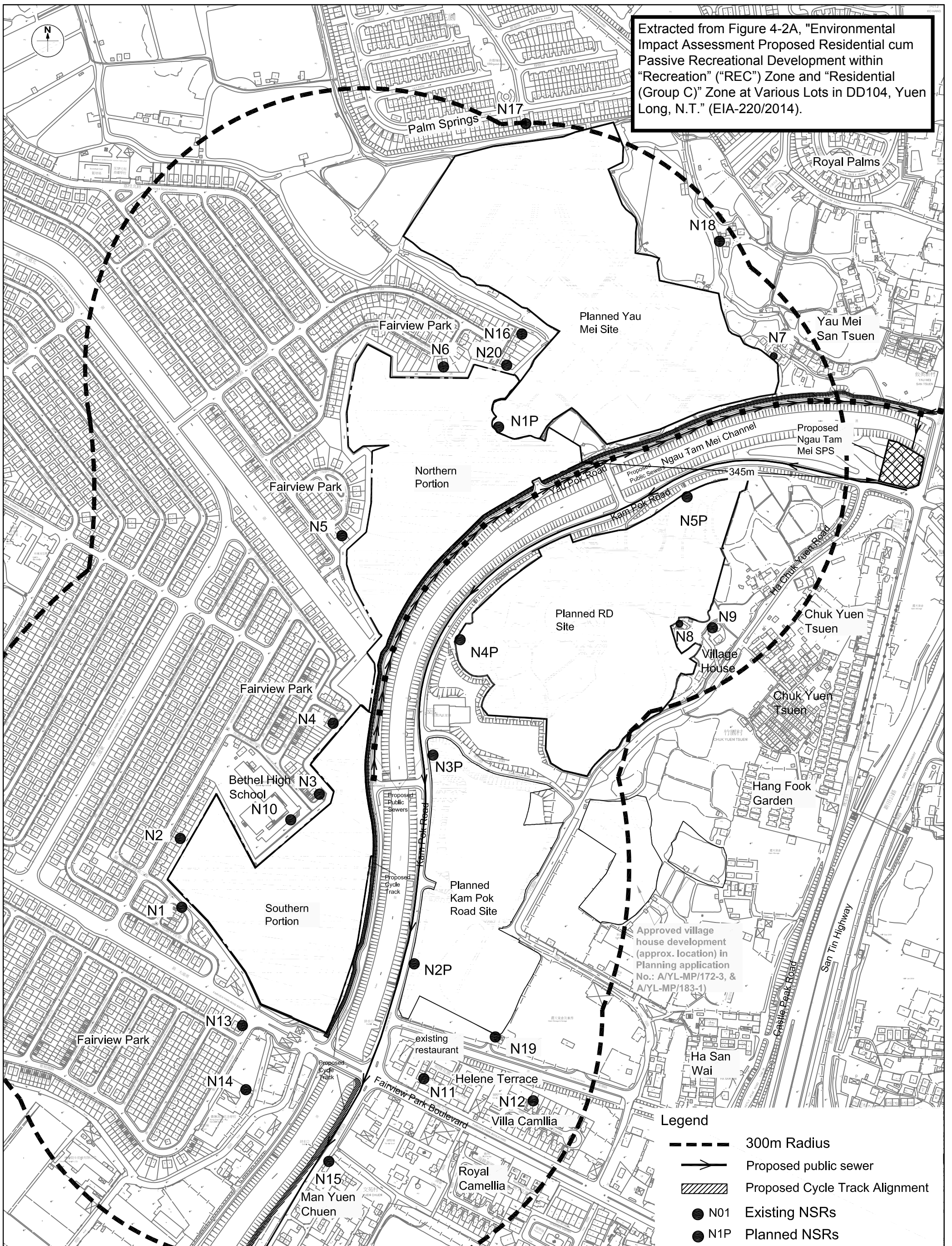


Figure: 4-2A

Title: Representative NSRs Selected for Construction Phase Noise Assessment

Project: EIA for Proposed Residential and Passive Recreation Development within "Recreation" (REC) Zone and "Residential (Group C)" Zone at Various Lots in DD 104, Yuen Long, N.T.



Drawn by: HN

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Annex C

Calculated Mitigated Construction Noise Due to this Project
(Directly Extracted from Appendices 4-3B and 4-3C of this EIA report)

Directly Extracted from Appendix 4-3B of this EIA report for Yau Mei San Tsuen Project
 - Calculated noise level with QPMEs and Movable Noise Barriers only (for those NSRs which are not protected by the proposed temporary noise barriers of this Project)

Appendix 4-3B-1 Summary Table of Calculated Construction Noise Level at NSRs (Mitigated Scenario with QPMEs and Movable Noise Barriers)

NSR Label	Descriptions	Calculated Construction Noise Level from Each Construction Activity, dB(A)																				Cumulative Construction Noise Due to Concurrent Works										Highest Noise Level, dB(A)	Noise Criteria, dB(A)											
		Phase A					Phase B					Phase C					Phase D					Phase B, C and D					B+V	A+V	C+V	D+E+V	D+F+V			H+V	I+J+M+V	I+K+N+O+V	I+K+N+P+V	N+P+V	G+V+R	V+R	L+V+R	Q+V+R	S+T	S+U
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V																					
Existing NSRs																																												
N1	Fairview Park	59	59	56	57	51	57	56	64	64	58	64	63	61	61	55	61	60	63	60	57	58	59	62	62	61	62	63	65	67	69	69	65	65	65	67	66	62	63	69	75			
N1b	Fairview Park	60	60	57	58	52	58	57	66	66	60	66	65	63	63	57	63	62	65	62	59	60	60	63	63	62	63	64	67	69	70	71	67	67	66	68	68	64	64	71	75			
N1c	Fairview Park	60	60	58	59	53	59	58	67	67	61	67	66	64	64	58	64	63	66	63	60	61	61	64	64	63	63	64	68	70	71	72	68	68	67	69	69	65	65	72	75			
N2a	Fairview Park	59	59	59	60	54	60	59	68	68	62	68	67	66	66	60	66	65	68	65	62	63	62	63	63	63	64	65	69	71	73	74	70	69	69	71	70	66	67	74	75			
N3	Fairview Park	55	55	62	63	57	63	62	73	73	67	73	72	72	72	66	72	71	73	70	67	68	63	64	64	66	67	68	74	77	78	79	75	74	74	76	76	72	73	79	75			
N4	Fairview Park	54	54	59	60	54	60	59	64	64	58	64	63	67	67	61	67	66	68	65	62	63	60	61	61	62	63	64	66	70	71	72	70	69	69	70	71	67	67	72	75			
N4a	Fairview Park	54	54	59	60	54	60	59	65	65	59	65	64	68	68	62	68	67	69	66	63	64	61	61	61	63	64	65	67	71	72	73	71	70	70	71	71	68	68	73	75			
N4c	Fairview Park	53	53	61	62	56	62	61	68	68	62	68	67	75	75	69	75	74	74	71	68	69	61	62	62	64	65	67	69	76	77	79	78	75	75	75	77	73	73	79	75			
N5	Temporary house at Yau Mei San Tsuen	72	72	69	70	64	70	69	62	62	56	62	61	62	62	56	62	61	72	69	66	67	63	72	72	70	71	73	65	67	68	69	67	74	72	73	73	70	71	74	75			
N6	Palm Springs	60	60	57	58	52	58	57	62	62	56	62	61	58	58	52	58	57	64	61	58	59	59	63	63	61	62	63	64	65	67	67	63	66	65	67	66	63	63	67	75			
N7	Temporary house at Yau Mei San Tsuen	58	58	64	65	59	65	64	63	63	57	63	62	60	60	54	60	59	66	63	60	61	61	63	63	66	67	69	65	66	68	68	65	69	67	68	68	65	65	69	75			
N9	Fairview Park	45	45	54	55	49	55	54	56	56	50	56	55	59	59	53	59	58	61	58	55	56	57	57	57	58	59	60	59	62	63	64	63	63	63	63	63	63	64	60	60	64	75	
N8	Palm Springs	53	53	60	61	55	61	60	61	61	55	61	60	57	57	51	57	56	63	60	57	58	59	60	60	63	64	65	63	64	66	66	63	66	64	66	64	66	65	62	62	66	75	
N10	Palm Springs	60	60	55	56	50	56	55	62	62	56	62	61	58	58	52	58	57	61	58	55	56	59	63	63	60	61	62	63	65	66	67	63	63	63	63	65	64	59	60	67	75		
N_sch	Hong Chi Morninglight School Yuen long	45	45	50	51	45	51	50	53	53	47	53	52	52	52	46	52	51	55	52	49	50	55	55	55	56	57	57	57	59	60	60	58	59	58	59	59	54	54	60	70 (65 during examination)			
N_ch	Christian Ministry Institute	52	52	59	60	54	60	59	57	57	51	57	56	56	56	50	56	55	62	59	56	57	59	60	60	62	63	64	61	62	63	64	62	65	64	65	64	65	64	61	62	65	70 (65 during examination)	
N11	Temporary house at Yau Mei San Tsuen	71	71	70	71	65	71	70	66	66	60	66	65	63	63	57	63	62	71	68	65	66	64	72	72	71	73	75	68	70	71	72	68	74	72	72	72	70	70	75	75			
N12	Village house at Chuk Yuen Tsuen	47	47	58	59	53	59	58	56	56	50	56	55	59	59	53	59	58	62	59	56	57	59	59	59	61	62	63	60	63	64	65	64	64	63	64	65	61	61	65	75			
N13	Village house at Chuk Yuen Tsuen	47	47	58	59	53	59	58	56	56	50	56	55	59	59	53	59	58	61	58	55	56	58	59	59	61	62	63	60	63	64	65	64	64	63	64	64	60	61	65	75			
N14	Village house at Yau Mei San Tsuen	53	53	60	61	55	61	60	57	57	51	57	56	58	58	52	58	57	63	60	57	58	59	60	60	62	64	65	61	63	64	65	63	66	65	65	65	65	62	62	66	75		
Planned NSRs																																												
N1P	Planned Development in RD Site	51	51	63	64	58	64	63	60	60	54	60	59	66	66	60	66	65	68	65	62	63	62	62	62	65	67	68	64	68	69	70	70	70	69	69	70	66	67	70	75			
N2P	Planned Development in RD Site	54	54	65	66	60	66	65	60	60	54	60	59	65	65	59	65	64	67	64	61	62	61	62	62	66	68	70	64	68	69	70	69	70	68	68	69	65	66	70	75			
N3P	Planned Development in REC Site	50	50	60	61	55	61	60	63	63	57	63	62	74	74	68	74	73	75	72	69	70	61	61	61	63	64	66	65	75	76	77	77	75	75	75	77	74	74	77	75			
V1P	Village Zone development	55	55	64	65	59	65	64	59	59	53	59	58	63	63	57	63	62	65	62	59	60	61	62	62	65	67	68	63	66	67	68	67	68	66	67	68	64	64	68	75			

Remark:
 Please refer to Figure 4-2A for the geographical location of NSRs.
 Please refer to Appendix 1-1 for the duration of each Work Group, and Appendix 4-3B for the construction plant inventory and sample calculations.
 Bold numbers indicate exceedance of the relevant noise criteria for construction activities.



Calculated construction noise levels of construction activities that will be constructed concurrently with the planned “REC Site” project

Annex D

Calculation of Cumulative Construction Noise Level
with Due Consideration of the Planned "REC Site" Project
(EIA-220/2014)

Summary Table of Calculated Cumulative Construction Noise Levels - Combination 1

Concurrent Construction Activities:

This Project: Q+V+R
 Planned "REC Site" Project: Northern: Nil
 Southern: D

NSR Label (this Project)	Corr. NSR ID in "REC Site" EIA report	Calculated Noise Level due to Approved EIA Projects *			Calculated Noise Level due to Adjacent Approved EIA Projects *		Cumulative Noise Level - Scenario A			Cumulative Noise Level - Scenario B			Noise Criteria	
		Construction of Cycle Track, dB(A)	Construction of Public Sewers, dB(A)	Construction of Ngau Tam Mei Sewage Pumping Station, dB(A)	Construction of RD site, dB(A)	Construction of REC site, dB(A) ##	Cumulative Noise Level Due to Approved EIA Projects only, dB(A)	Highest Mitigated Noise Level Due to Current Project, dB(A) #	Cumulative Noise Level, dB(A)	Cumulative Noise Level Due to Approved EIA Projects and Planned Development Projects, dB(A)	Highest Mitigated Noise Level Due to Current Project, dB(A) #	Cumulative Noise Level, dB(A)		
		A	B	C	F	G	= A+B+C	D	=A+B+C+D	=A+B+C+F+G	D	=A+B+C+F+G+D		
Existing NSRs	N3	N16	58	56	48	62	55	60	71	71	65	71	72	75
	N4	N6	57	56	47	62	56	60	66	67	65	66	69	75
	N4c	N20	59	58	48	63	55	62	72	72	66	72	73	75
	N5	N7	69	67	57	65	52	71	68	73	72	68	73	75
	N6	N17	50	49	46	58	52	53	66	66	60	66	67	75
	N7	N18	56	55	51	61	52	59	63	64	64	63	67	75
	N9	N5	62	60	45	64	61	64	64	67	68	64	69	75
	N8	@	54	53	50	60	@	57	60	62	62	60	64	75
	N_sch	@	47	46	42	56	@	50	59	60	57	59	61	70 (65 during examination)
	N_ch	@	63	61	58	62	@	66	59	67	67	59	68	70 (65 during examination)
	N12	N8	55	58	52	75	57	60	60	63	75	60	75	75
N13	N9	55	57	53	74	56	60	59	63	74	59	74	75	
N14	@	67	66	61	62	@	70	60	70	71	60	71	75	
Planned Development Sites	N1P	N5P	64	74	53	-	55	74	65	75	74	-	-	75
	N2P	N5P	64	74	56	-	55	74	64	74	75	-	-	75
	N3P		64	62	48	-	-	66	72	73	66	-	-	75
	V1P	N5P	64	74	58	74	55	75	63	75	77	63	77	75

Remark: # Calculated construction noise level of this Project due to concerned construction activities "Q+V+R" as shown in Annex C.

Calculated construction noise level of the planned "REC Site" Project due to concerned construction activities "Northern: Nil; and Southern: D" as shown in Annex B.

@ Denotes the concerned NSR is outside 300m study radius of the planned "REC Site" Project. Thus, cumulative construction noise was not considered.

Summary Table of Calculated Cumulative Construction Noise Levels - Combination 2

Concurrent Construction Activities:

This Project: S+T
 Planned "REC Site" Project: Northern: D
 Southern: D

		Calculated Noise Level due to Approved EIA Projects *			Calculated Noise Level due to Adjacent Approved EIA Projects *		Cumulative Noise Level - Scenario A			Cumulative Noise Level - Scenario B				
NSR Label (this Project)	Corr. NSR ID in "REC Site" EIA report	Construction of Cycle Track, dB(A)	Construction of Public Sewers, dB(A)	Construction of Ngau Tam Mei Sewage Pumping Station, dB(A)	Construction of RD site, dB(A)	Construction of REC site, dB(A) ##	Cumulative Noise Level Due to Approved EIA Projects only, dB(A)	Highest Mitigated Noise Level Due to Current Project, dB(A) #	Cumulative Noise Level, dB(A)	Cumulative Noise Level Due to Approved EIA Projects and Planned Development Projects, dB(A)	Highest Mitigated Noise Level Due to Current Project, dB(A) #	Cumulative Noise Level, dB(A)	Noise Criteria	
		A	B	C	F	G	= A+B+C	D	=A+B+C+D	=A+B+C+F+G	D	=A+B+C+F+G+D		
Existing NSRs	N3	N16	58	56	48	62	69	60	68	69	70	68	72	75
	N4	N6	57	56	47	62	73	60	63	65	74	63	74	75
	N4c	N20	59	58	48	63	73	62	69	70	74	69	75	75
	N5	N7	69	67	57	65	60	71	66	72	72	66	73	75
	N6	N17	50	49	46	58	59	53	63	63	62	63	66	75
	N7	N18	56	55	51	61	59	59	61	63	65	61	66	75
	N9	N5	62	60	45	64	73	64	60	65	74	60	74	75
	N8	@	54	53	50	60	@	57	58	61	62	58	63	75
	N_sch	@	47	46	42	56	@	50	54	55	57	54	59	70 (65 during examination)
	N_ch	@	63	61	58	62	@	66	57	67	67	57	67	70 (65 during examination)
	N12	N8	55	58	52	75	62	60	57	62	75	57	75	75
N13	N9	55	57	53	74	61	60	56	61	74	56	74	75	
N14	@	67	66	61	62	@	70	58	70	71	58	71	75	
Planned Development Sites	N1P	N5P	64	74	53	-	65	74	62	74	75	-	-	75
	N2P	N5P	64	74	56	-	65	74	61	74	75	-	-	75
	N3P		64	62	48	-	-	66	70	71	66	-	-	75
	V1P	N5P	64	74	58	74	65	75	60	75	78	60	78	75

Remark: # Calculated construction noise level of this Project due to concerned construction activities "S+T" as shown in Annex C.

Calculated construction noise level of the planned "REC Site" Project due to concerned construction activities "Northern: D; Southern: D" as shown in Annex B.

@ Denotes the concerned NSR is outside 300m study radius of the planned "REC Site" Project. Thus, cumulative construction noise was not considered.

Summary Table of Calculated Cumulative Construction Noise Levels - Combination 3

Concurrent Construction Activities:

This Project: S+U
 Northern: Nil
 Planned "REC Site" Project: Southern:
 A+G+F

NSR Label (this Project)	Corr. NSR ID in "REC Site" EIA report	Calculated Noise Level due to Approved EIA Projects *			Calculated Noise Level due to Adjacent Approved EIA Projects *		Cumulative Noise Level - Scenario A			Cumulative Noise Level - Scenario B			Noise Criteria	
		Construction of Cycle Track, dB(A)	Construction of Public Sewers, dB(A)	Construction of Ngau Tam Mei Sewage Pumping Station, dB(A)	Construction of RD site, dB(A)	Construction of REC site, dB(A) ##	Cumulative Noise Level Due to Approved EIA Projects only, dB(A)	Highest Mitigated Noise Level Due to Current Project, dB(A) #	Cumulative Noise Level, dB(A)	Cumulative Noise Level Due to Approved EIA Projects and Planned Development Projects, dB(A)	Highest Mitigated Noise Level Due to Current Project, dB(A) #	Cumulative Noise Level, dB(A)		
		A	B	C	F	G	= A+B+C	D	=A+B+C+D	=A+B+C+F+G	D	=A+B+C+F+G+D		
Existing NSRs	N3	N16	58	56	48	62	58	60	68	69	65	68	70	75
	N4	N6	57	56	47	62	59	60	63	65	65	63	67	75
	N4c	N20	59	58	48	63	58	62	69	70	66	69	71	75
	N5	N7	69	67	57	65	66	71	66	72	73	66	74	75
	N6	N17	50	49	46	58	55	53	63	63	61	63	65	75
	N7	N18	56	55	51	61	56	59	61	63	64	61	66	75
	N9	N5	62	60	45	64	63	64	60	65	69	60	70	75
	N8	@	54	53	50	60	@	57	58	61	62	58	63	75
	N_sch	@	47	46	42	56	@	50	54	55	57	54	59	70 (65 during examination)
	N_ch	@	63	61	58	62	@	66	57	67	67	57	67	70 (65 during examination)
	N12	N8	55	58	52	75	59	60	57	62	75	57	75	75
N13	N9	55	57	53	74	59	60	56	61	74	56	74	75	
N14	@	67	66	61	62	@	70	58	70	71	58	71	75	
Planned Development Sites	N1P	N5P	64	74	53	-	58	74	62	74	75	-	-	75
	N2P	N5P	64	74	56	-	58	74	61	74	75	-	-	75
	N3P		64	62	48	-	-	66	70	71	66	-	-	75
	V1P	N5P	64	74	58	74	58	75	60	75	77	60	77	75

Remark: # Calculated construction noise level of this Project due to concerned construction activities "S+U" as shown in Annex C.

Calculated construction noise level of the planned "REC Site" Project due to concerned construction activities "Northern: Nil; Southern: A+G+F" as shown in Annex B.

@ Denotes the concerned NSR is outside 300m study radius of the planned "REC Site" Project. Thus, cumulative construction noise was not considered.

Summary Table of Calculated Cumulative Construction Noise Levels - Combination 4

Concurrent Construction Activities:

This Project: U
 Planned "REC Site" Project: Northern: A+G
 Southern: Nil

NSR Label (this Project)	Corr. NSR ID in "REC Site" EIA report	Calculated Noise Level due to Approved EIA Projects *			Calculated Noise Level due to Adjacent Approved EIA Projects *		Cumulative Noise Level - Scenario A			Cumulative Noise Level - Scenario B			Noise Criteria	
		Construction of Cycle Track, dB(A)	Construction of Public Sewers, dB(A)	Construction of Ngau Tam Mei Sewage Pumping Station, dB(A)	Construction of RD site, dB(A)	Construction of REC site, dB(A) ##	Cumulative Noise Level Due to Approved EIA Projects only, dB(A)	Highest Mitigated Noise Level Due to Current Project, dB(A) #	Cumulative Noise Level, dB(A)	Cumulative Noise Level Due to Approved EIA Projects and Planned Development Projects, dB(A)	Highest Mitigated Noise Level Due to Current Project, dB(A) #	Cumulative Noise Level, dB(A)		
		A	B	C	F	G	= A+B+C	D	=A+B+C+D	=A+B+C+F+G	D	=A+B+C+F+G+D		
Existing NSRs	N3	N16	58	56	48	62	69	60	63	65	70	63	71	75
	N4	N6	57	56	47	62	73	60	58	62	74	58	74	75
	N4c	N20	59	58	48	63	73	62	64	66	74	64	74	75
	N5	N7	69	67	57	65	70	71	62	72	74	62	74	75
	N6	N17	50	49	46	58	60	53	59	60	63	59	64	75
	N7	N18	56	55	51	61	60	59	56	61	65	56	66	75
	N9	N5	62	60	45	64	72	64	56	65	73	56	73	75
	N8	@	54	53	50	60	@	57	53	58	62	53	63	75
	N_sch	@	47	46	42	56	@	50	50	53	57	50	58	70 (65 during examination)
	N_ch	@	63	61	58	62	@	66	52	66	67	52	67	70 (65 during examination)
	N12	N8	55	58	52	75	61	60	52	61	75	52	75	75
N13	N9	55	57	53	74	61	60	51	61	74	51	74	75	
N14	@	67	66	61	62	@	70	53	70	71	53	71	75	
Planned Development Sites	N1P	N5P	64	74	53	-	65	74	58	74	75	-	-	75
	N2P	N5P	64	74	56	-	65	74	57	74	75	-	-	75
	N3P		64	62	48	-	-	66	65	69	66	-	-	75
	V1P	N5P	64	74	58	74	65	75	55	75	78	55	78	75

Remark: # Calculated construction noise level of this Project due to concerned construction activities "U" as shown in Annex C.

Calculated construction noise level of the planned "REC Site" Project due to concerned construction activities "Northern: A+G; Southern: Nil" as shown in Annex B.

@ Denotes the concerned NSR is outside 300m study radius of the planned "REC Site" Project. Thus, cumulative construction noise was not considered.