# Appendix 6.12B Sample Calculation of Construction Noise Levels during Restricted Hours - Mitigated Scenario

NSR: OM1 - Shun Man House, Oi Man Estate
Scenario: Mitigated 
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		Work [1]							201	2						2013						2014							2015						2016							2017							2018			
		Site		Dist [2]	S	hielding .	Jan Feb	Mar Apr I	May Jun J	ul Aug !	Sep Oct	Nov Dec	Jan Feb	Mar Apr	May Ju	ın Jul	Aug Sep O	ct Nov De	c Jan Fe	eb Mar A	pr May Ju	ın Jul	Aug Sep	Oct No	/ Dec J	Jan Feb	Mar Apr	May Ju	n Jul A	ug Sep	Oct Nov D	Dec Jan	Feb Mar	Apr May	Jun Jul	Aug Se	p Oct No	v Dec J	an Feb I	Mar Apr	r May /	Jun Jul	Aug Ser	Oct N	ov Dec	Jan Feb	Mar Ar	pr May	Jun Jul	I Aug S	Sep Oct	t Nov Dec
Package	Construction Activity	No.	SWL	(m) SI	PL [3]	Effect	-5 -4	-3 -2	-1 1	2 3	4 5	6 7	8 9	10 11	12 13	3 14	15 16 1	7 18 1	9 20 2	1 22 2	3 24 2	5 26	27 28	29 30	31	32 33	34 35	36 37	7 38 :	39 40	41 42	43 44	45 46	47 48	49 50	51 52	2 53 54	55	56 57	58 59	60	61 62	63 6/	65 /	66 67	68 69	70 7	/1 72	73 74	4 75	76 77	78 79
NAT & Related	Area C6																																								T	$\neg$	$\Box$	T					-			
Work						Г																$\neg$									$\neg$									$\neg$	$\top$	$\Box$		$\top$			T					
	Portal 1A Noise Barriers Construction					Г			$\neg$	$\neg$																					$\neg$									$\neg$	$\top$	$\neg$		$\top$	$\neg$		T	$\Box$	-			T
																																									$\top$	$\neg$										
	Noise Barriers Construction - Group 1	NE	94	49	55	0																																			1 7	55 55	55 55	55 f	55 55	55 55	,					
																																									$\top$	$\neg$										
	Overall Noise Level (SCL - Mong Ko	k East to H	lung Ho	m Section), L	eq (30mi	in), dB(A)		-   -	-   -								-   -					-   -			-				-	-   -								-			1 - 7	55 55	55 55	55 f	55 55	55 55				-		

Remarks:
[1] The Works Area with length to width ratio exceeding 5: 1 is divided into Subareas.
[2] Noise source at more than 300m from the sensitive receiver are not considered in the noise assessment due to large distance attenuation effect.
[3] For the calculation of sound pressure levels (SPL), the PMEs are assumed to be placed at the notional source position according to the "Technical Memorandum on Noise from Construction Work other than Percussive Pilling\* by EPD.

# Appendix 6.12B Sample Calculation of Construction Noise Levels during Restricted Hours - Mitigated Scenario

OM2 - Parc Palais, Block 6 Mitigated ▼

	T	Work [1]						201	2	_		20	13					2014					20	115			1			2016			1			2017							2018		
		Site	Dist [2]	S	Shielding Ja	an Feb M	lar Apr M	ay Jun .	Jul Aug Sep Oct Nov	Dec Jan Feb	Mar Apr I	May Jun	Jul Aug	Sep Oct No	v Dec J	Jan Feb Ma	Apr May	Jun Jul	Aug Sep Oct	Nov Dec	Jan Feb	Mar Apr	May Jun	Jul Aug	Sep Oc	t Nov De	ec Jan F	Feb Mar A	Apr May J	un Jul A	ug Sep Oc	ct Nov Dec	Jan Feb	Mar Ap	or May	Jun Jul	Aug S	p Oct	Nov Dec	Jan Feb	Mar Apr	r May Ju	un Jul /	Aug Sep	Oct No
Package	Construction Activity	No. SWI	L (m)	SPL [3]	Effect -	-5 -4 -	3 -2 -	1 1	2 3 4 5 6	7 8 9	10 11	12 13	14 15	16 17 1	3 19	20 21 22	23 24	25 26	27 28 29	30 31	32 33	34 35	36 37	38 39	40 41	42 4	3 44	45 46	47 48	49 50 5	51 52 53	3 54 55	56 57	58 5	9 60	61 62	63 E	4 65	66 67	68 69	70 71	72 7	/3 74	75 76	77 78
NAT & Related	Area C6																																												
Work																																		$\top$									$\top$	$\top$	
	Portal 1A Noise Barriers Construction																	$\neg$																	$\neg \neg$								TT	$\top$	$\neg$
																																			$\neg$										
	Noise Barriers Construction - Group 1	NE 94	77	51	0																														$\neg$	51 51	51 5	1 51	51 51	51 51					
1																																			1 1								$\top$		
	Overall Noise Level (SCL - Mong K	ok East to Hung Ho	om Section),	, Leq (30m	in), dB(A)										-			-   -	-   -   -										-   -						- 1 - 1	51 51	51 5	1 51	51 51	51 51					

Remarks:
[1] The Works Area with length to width ratio exceeding 5: 1 is divided into Subareas.
[2] Noise source at more than 300m from the sensitive receiver are not considered in the noise assessment due to large distance attenuation effect.
[3] For the calculation of sound pressure levels (SPL), the PMEs are assumed to be placed at the notional source position according to the "Technical Memorandum on Noise from Construction Work other than Percussive Pilling\* by EPD.

App 6.12B - OM2

# Appendix 6.12B Sample Calculation of Construction Noise Levels during Restricted Hours - Mitigated Scenario

HH1 - Wylie Court, Block C Mitigated 

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		Work [1]						2012	2			20	13					2014						2015						20	16						2017							201/	18			
		Site	Dist [2]		Shielding J	an Feb M	ar Apr M	ay Jun J	ul Aug Sep Oct Nov D	ec Jan Feb M	ar Apr Ma	y Jun	Jul Au	ig Sep Oct N	ov Dec	Jan Feb Ma	ar Apr Ma	y Jun Jul	Aug Sep	Oct Nov I	ec Jan F	eb Mar	Apr May	Jun Jul	Aug Sep	Oct Nov	v Dec	Jan Feb N	ar Apr N	May Jun	Jul Aug S	Sep Oct N	ov Dec J	n Feb	Mar Apr	May J	un Jul	Aug Se	p Oct	Nov Dec	Jan Fe	eb Mar	Apr May	y Jun	Jul Aug	g Sep	Oct N	Dec
Package	Construction Activity	No. SW	/L (m)	SPL [3]	Effect	-5 -4 -	3 -2 -	1 1	2 3 4 5 6	7 8 9 1	0 11 1:	2 13	14 15	5 16 17	8 19	20 21 2	2 23 24	25 26	27 28	29 30	31 32 3	3 34	35 36	37 38	39 40	41 42	43	44 45	6 47	48 49	50 51	52 53 5	54 55 5	6 57	58 59	60	61 62	63 6	4 65	66 67	68 6	9 70	71 72	2 73	74 75	5 76	77 7	79
NAT & Related	Area C6																																											T			. —	
Work					Г						T								$\overline{}$																	T								TT				
	Portal 1A Noise Barriers Construction				Г						$\neg$																									T								T		$\top$		
	Noise Barriers Construction - Group 1	NE 94	187	44	0																															1 1	14 44	44 4	4 44	44 44	44 4	4						
	Overall Noise Level (SCL - Mong K	min), dB(A)			-   -				- 1						-   -									-		-   -			-   -		-   -		- 4	14 44	44 4	4 44	44 44	44 4	4 -		Til		-		-			

Remarks:
[1] The Works Area with length to width ratio exceeding 5: 1 is divided into Subareas.
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[3] For the calculation of sound pressure levels (SPL), the PMEs are assumed to be placed at the notional source position according to the "Technical Memorandum on Noise from Construction Work other than Percussive Pilling\* by EPD.

App 6.12B - HH1