

Details of Construction Noise Calculations - Unmitigated Scenario

NSR: N_S1 - Shek Kwu Chau Treatment & Rehabilitation Centre Hostel 1 ▼

Item	Construction Activity	WorkSite ID	SWL	Notional Distance (m)	2013							2014												
					Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
1	Site Formation																							
1.1	Cofferdam Construction - Phase 1	102	124	300	70	70	70	70	70	70														
1.1	Cofferdam Construction - Phase 2	103	124	372											68	68								
1.2	Site Filling	105	119	337									63	63	63	63	63	63	63	63				
1.3	Removal of Surcharge Loading	105	117	337											61	61	61	61	61	61	61			
1.4	Breakwater Construction - Phase 1	104	117	242	64	64	64	64	64	64											61			
1.4	Breakwater Construction - Phase 2	106	124	603											64	64	64	64	64	64				
1.5	Berth Construction	107	117	270											63	63	63	63	63	63	63			
2	Construction of IWMF																							
2.1	Foundation, Civil Structures & Road Works	108	124	312																				
Overall Noise Level, Leq (30min), dB(A)					71	71	71	71	71	71			63	63	63	65	65	69	71	71	69	69	65	61

Item	Construction Activity	WorkSite ID	SWL	Notional Distance (m)	2015												2016											
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
					20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43
1	Site Formation																											
1.1	Cofferdam Construction - Phase 1	102	124	300																								
1.1	Cofferdam Construction - Phase 2	103	124	372																								
1.2	Site Filling	105	119	337																								
1.3	Removal of Surcharge Loading	105	117	337	61	61	61	61	61	61	61																	
1.4	Breakwater Construction - Phase 2	106	124	603																								
1.5	Berth Construction	107	117	270																								
2	Construction of IWMF																											
2.1	Foundation, Civil Structures & Road Works	108	124	312					69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69				
Overall Noise Level, Leq (30min), dB(A)					61	61	61	61	70	70	70	69	69	69	69	69	69	69	69	69	69	69	69	69	69			

Item	Construction Activity	WorkSite ID	SWL	Notional Distance (m)	2017												2018											
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
					44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67
1	Site Formation																											
1.1	Cofferdam Construction - Phase 1	102	124	300																								
1.1	Cofferdam Construction - Phase 2	103	124	372																								
1.2	Site Filling	105	119	337																								
1.3	Removal of Surcharge Loading	105	117	337																								
1.4	Breakwater Construction - Phase 2	106	124	603																								
1.5	Berth Construction	107	117	270																								
2	Construction of IWMF																											
2.1	Foundation, Civil Structures & Road Works	108	124	312	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69				
Overall Noise Level, Leq (30min), dB(A)					69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69			

Details of Construction Noise Calculations - Unmitigated Scenario

NSR: N_S2 - Shek Kwu Chau Treatment & Rehabilitation Centre Hostel 2

Item	Construction Activity	WorkSite ID	SWL	Notional Distance (m)	2013												2014											
					Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec					
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19					
1	Site Formation																											
1.1	Cofferdam Construction - Phase 1	102	124	281	70	70	70	70	70	70																		
1.1	Cofferdam Construction - Phase 2	103	124	423												67	67											
1.2	Site Filling	105	119	415																								
1.3	Removal of Surcharge Loading	105	117	415									61	61	61	61	61	61	61	61	61	61						
1.4	Breakwater Construction - Phase 1	104	117	423											60	60	60	60	60	60	60	60						
1.4	Breakwater Construction - Phase 2	106	124	728	59	59	59	59	59	59																		
1.5	Berth Construction	107	117	285												62	62	62	62	62	62	62						
2	Construction of IWMF															63	63	63	63	63	63	63						
2.1	Foundation, Civil Structures & Road Works	108	124	373																								
Overall Noise Level, Leq (30min), dB(A)					70	70	70	70	70	70			61	61	61	64	64	68	70	70	68	68	65	60				

Item	Construction Activity	WorkSite ID	SWL	Notional Distance (m)	2015												2016											
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
					20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43
1	Site Formation																											
1.1	Cofferdam Construction - Phase 1	102	124	281																								
1.1	Cofferdam Construction - Phase 2	103	124	423																								
1.2	Site Filling	105	119	415																								
1.3	Removal of Surcharge Loading	105	117	415	60	60	60	60	60	60	60																	
1.4	Breakwater Construction - Phase 2	106	124	728																								
1.5	Berth Construction	107	117	285																								
2	Construction of IWMF																											
2.1	Foundation, Civil Structures & Road Works	108	124	373					68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68				
Overall Noise Level, Leq (30min), dB(A)					60	60	60	60	69	69	69	68	68	68	68	68	68	68	68	68	68	68	68	68	68			

Item	Construction Activity	WorkSite ID	SWL	Notional Distance (m)	2017												2018											
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
					44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67
1	Site Formation																											
1.1	Cofferdam Construction - Phase 1	102	124	281																								
1.1	Cofferdam Construction - Phase 2	103	124	423																								
1.2	Site Filling	105	119	415																								
1.3	Removal of Surcharge Loading	105	117	415																								
1.4	Breakwater Construction - Phase 2	106	124	728																								
1.5	Berth Construction	107	117	285																								
2	Construction of IWMF																											
2.1	Foundation, Civil Structures & Road Works	108	124	373	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68				
Overall Noise Level, Leq (30min), dB(A)					68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68			

Details of Construction Noise Calculations - Unmitigated Scenario

NSR: N_S3 - Shek Kwu Chau Treatment & Rehabilitation Centre Hostel 3

Item	Construction Activity	WorkSite ID	SWL	Notional Distance (m)	2013												2014											
					Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec					
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19					
1	Site Formation																											
1.1	Cofferdam Construction - Phase 1	101	124	179	74	74	74	74	74	74																		
1.1	Cofferdam Construction - Phase 2	103	124	439											67	67												
1.2	Site Filling	105	119	236																								
1.3	Removal of Surcharge Loading	105	117	236								66	66	66	66	66	66	66	66	66	66	65						
1.4	Breakwater Construction - Phase 1	104	117	639	56	56	56	56	56	56																		
1.4	Breakwater Construction - Phase 2	106	124	775											62	62	62	62	62	62	62	61						
1.5	Berth Construction	107	117	369											61	61	61	61	61	61	61	61						
2	Construction of IWMF																											
2.1	Foundation, Civil Structures & Road Works	108	124	215																								
Overall Noise Level, Leq (30min), dB(A)					74	74	74	74	74	74		66	66	66	69	69	70	72	72	70	70	66	65					

Item	Construction Activity	WorkSite ID	SWL	Notional Distance (m)	2015												2016											
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
					20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43
1	Site Formation																											
1.1	Cofferdam Construction - Phase 1	101	124	179																								
1.1	Cofferdam Construction - Phase 2	103	124	439																								
1.2	Site Filling	105	119	236																								
1.3	Removal of Surcharge Loading	105	117	236	65	65	65	65	65	65	65																	
1.4	Breakwater Construction - Phase 2	106	124	775																								
1.5	Berth Construction	107	117	369																								
2	Construction of IWMF																											
2.1	Foundation, Civil Structures & Road Works	108	124	215					73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73				
Overall Noise Level, Leq (30min), dB(A)					65	65	65	65	74	74	74	73	73	73	73	73	73	73	73	73	73	73	73	73	73			

Item	Construction Activity	WorkSite ID	SWL	Notional Distance (m)	2017												2018											
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
					44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67
1	Site Formation																											
1.1	Cofferdam Construction - Phase 1	101	124	179																								
1.1	Cofferdam Construction - Phase 2	103	124	439																								
1.2	Site Filling	105	119	236																								
1.3	Removal of Surcharge Loading	105	117	236																								
1.4	Breakwater Construction - Phase 2	106	124	775																								
1.5	Berth Construction	107	117	369																								
2	Construction of IWMF																											
2.1	Foundation, Civil Structures & Road Works	108	124	215	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73				
Overall Noise Level, Leq (30min), dB(A)					73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73			