

Project : Yau Tong Bay Development - Package 2 EIA Study
 Job No. : 21293
 Subject : Construction Noise Calculation - Mitigated
 Date : 06/11/2000

NSR : RYTE1, Yau Tong Estate Redevelopment Phase I

Code	PME	SWL, dB(A)	Qty	% on	Dist, m	Corrections, dB(A)					SPL, dB(A)
						Qty	Dist	% on	Barrier	Facade	
FOUNDATION WORK											
066	Dumper	106	2	70	180	3	-53	-2	0	3	57
BS01	Concrete Pump	106	2	70	180	3	-53	-2	-5	3	52
001	Air compressor, air flow < 10m ³ /min	100	2	70	180	3	-53	-2	0	3	51
BS02	Vibratory Poker	102	4	70	180	6	-53	-2	0	3	56
BS07	Tracked crane	109	2	70	180	3	-53	-2	0	3	60
BS03	Backhoe	105	3	70	180	5	-53	-2	0	3	58
162	Piling, diaphragm wall, bentonite filtering plant	105	6	70	180	8	-53	-2	0	3	61
BS08	Dump truck	102	2	70	180	3	-53	-2	0	3	53

Total SPL at NSR, dB(A) : 67

Criterion, dB(A) : 75

Exceedence, dB(A) : 0

SUPERSTRUCTURE CONSTRUCTION											
001	Air compressor, air flow < 10m ³ /min	100	6	70	180	8	-53	-2	-5	3	51
BS01	Concrete Pump	106	4	70	180	6	-53	-2	-5	3	55
049	Crane, tower (electric)	95	6	70	180	8	-53	-2	0	3	51
BS06	Dump truck	102	2	70	180	3	-53	-2	0	3	53
BS02	Vibratory Poker	102	4	70	180	6	-53	-2	0	3	56
122	Hoist, passenger/material (electric)	95	4	70	180	6	-53	-2	0	3	49
103	Generator, super silenced, 70dB(A) at 7m	95	4	70	180	6	-53	-2	0	3	49
050	compactor, vibratory	105	4	70	180	6	-53	-2	0	3	59
BS03	Backhoe	105	4	70	180	6	-53	-2	0	3	59
021	Bar bender and cutter (electric)	90	6	70	180	8	-53	-2	0	3	46
BS04	Bulldozer	109	2	70	180	3	-53	-2	0	3	60
BS05	Saw	105	2	70	180	3	-53	-2	0	3	56
BS06	Truck mixer	100	2	70	180	3	-53	-2	0	3	51

Total SPL at NSR, dB(A) : 67

Criterion, dB(A) : 75

Exceedence, dB(A) : 0

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NSR : REHC2, Eastern Harbour Crossing Phase II

Code	PME	SWL, dB(A)	Qty	% on	Dist, m	Corrections, dB(A)					SPL, dB(A)
						Qty	Dist	% on	Barrier	Facade	
FOUNDATION WORK											
066	Dumper	106	2	70	156	3	-52	-2	0	3	59
BS01	Concrete Pump	106	2	70	156	3	-52	-2	-5	3	54
001	Air compressor, air flow < 10m3/min	100	2	70	156	3	-52	-2	0	3	53
BS02	Vibratory Poker	102	4	70	156	6	-52	-2	0	3	58
BS07	Tracked crane	109	2	70	156	3	-52	-2	0	3	62
BS03	Backhoe	105	3	70	156	5	-52	-2	0	3	59
162	Piling, diaphragm wall, bentonite filtering plant	105	6	70	156	8	-52	-2	0	3	62
BS08	Dump truck	102	2	70	156	3	-52	-2	0	3	55

Total SPL at NSR, dB(A) : **68**
 Criterion, dB(A) : **75**
 Exceedence, dB(A) : **0**

SUPERSTRUCTURE CONSTRUCTION											
001	Air compressor, air flow < 10m3/min	100	6	70	156	8	-52	-2	-5	3	52
BS01	Concrete Pump	106	4	70	156	6	-52	-2	-5	3	57
049	Crane, tower (electric)	95	6	70	156	8	-52	-2	0	3	52
BS08	Dump truck	102	2	70	156	3	-52	-2	0	3	55
BS02	Vibratory Poker	102	4	70	156	6	-52	-2	0	3	58
122	Hoist, passenger/material (electric)	95	4	70	156	6	-52	-2	0	3	51
103	Generator, super silenced, 70dB(A) at 7m	95	4	70	156	6	-52	-2	0	3	51
050	compactor, vibratory	105	4	70	156	6	-52	-2	0	3	61
BS03	Backhoe	105	4	70	156	6	-52	-2	0	3	61
021	Bar bender and cutter (electric)	90	6	70	156	8	-52	-2	0	3	47
BS04	Bulldozer	109	2	70	156	3	-52	-2	0	3	62
BS05	Saw	105	2	70	156	3	-52	-2	0	3	58
BS06	Truck mixer	100	2	70	156	3	-52	-2	0	3	53

Total SPL at NSR, dB(A) : **68**
 Criterion, dB(A) : **75**
 Exceedence, dB(A) : **0**

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NSR : REHC3, Eastern Harbour Crossing Phase III

Code	PME	SWL, dB(A)	Qty	% on	Dist. m	Corrections, dB(A)					SPL, dB(A)
						Qty	Dist	% on	Barrier	Facade	
FOUNDATION WORK											
066	Dumper	106	2	70	115	3	-49	-2	0	3	61
BS01	Concrete Pump	106	2	70	115	3	-49	-2	-5	3	56
001	Air compressor, air flow < 10m3/min	100	2	70	115	3	-49	-2	0	3	55
BS02	Vibratory Poker	102	4	70	115	6	-49	-2	0	3	60
BS07	Tracked crane	109	2	70	115	3	-49	-2	0	3	64
BS03	Backhoe	105	3	70	115	5	-49	-2	0	3	62
162	Piling, diaphragm wall, bentonite filtering plant	105	6	70	115	8	-49	-2	0	3	65
BS08	Dump truck	102	2	70	115	3	-49	-2	0	3	57

Total SPL at NSR, dB(A) : 70

Criterion, dB(A) : 75

Exceedence, dB(A) : 0

SUPERSTRUCTURE CONSTRUCTION											
001	Air compressor, air flow < 10m3/min	100	6	70	115	8	-49	-2	-5	3	56
BS01	Concrete Pump	106	4	70	115	6	-49	-2	-5	3	59
049	Crane, tower (electric)	95	6	70	115	8	-49	-2	0	3	55
BS08	Dump truck	102	2	70	115	3	-49	-2	0	3	57
BS02	Vibratory Poker	102	4	70	115	6	-49	-2	0	3	60
122	Hoist, passenger/material (electric)	95	4	70	115	6	-49	-2	0	3	53
103	Generator, super silenced, 70dB(A) at 7m	95	4	70	115	6	-49	-2	0	3	53
050	compactor, vibratory	105	4	70	115	6	-49	-2	0	3	63
BS03	Backhoe	105	4	70	115	6	-49	-2	0	3	63
021	Bar bender and cutter (electric)	90	6	70	115	8	-49	-2	0	3	50
BS04	Bulldozer	109	2	70	115	3	-49	-2	0	3	64
BS05	Saw	105	2	70	115	3	-49	-2	0	3	60
BS06	Truck mixer	100	2	70	115	3	-49	-2	0	3	55

Total SPL at NSR, dB(A) : 71

Criterion, dB(A) : 75

Exceedence, dB(A) : 0

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NSR : RSCH3, Schools operating from 9/2004

Code	PME	SWL, dB(A)	Qty	% on	Dist, m	Corrections, dB(A)					SPL, dB(A)
						Qty	Dist	% on	Barrier	Facade	
FOUNDATION WORK											
066	Dumper	106	2	70	76	3	-46	-2	-5	3	60
BS01	Concrete Pump	106	2	70	76	3	-46	-2	-10	3	55
001	Air compressor, air flow < 10m3/min	100	2	70	76	3	-46	-2	-5	3	54
BS02	Vibratory Poker	102	4	70	76	6	-46	-2	-5	3	59
BS07	Tracked crane	109	2	70	76	3	-46	-2	-5	3	63
BS03	Backhoe	105	3	70	76	5	-46	-2	-5	3	61
162	Piling, diaphragm wall, bentonite filtering plant	105	6	70	76	8	-46	-2	-5	3	64
BS08	Dump truck	102	2	70	76	3	-46	-2	-5	3	56

Total SPL at NSR, dB(A) : 69
 Criterion, dB(A) : 70
 Exceedence, dB(A) : 0

SUPERSTRUCTURE CONSTRUCTION											
001	Air compressor, air flow < 10m3/min	100	6	70	76	8	-46	-2	-10	3	54
BS01	Concrete Pump	106	4	70	76	6	-46	-2	-10	3	58
049	Crane, tower (electric)	95	6	70	76	8	-46	-2	-5	3	54
BS08	Dump truck	102	2	70	76	3	-46	-2	-5	3	56
BS02	Vibratory Poker	102	4	70	76	6	-46	-2	-5	3	59
122	Hoist, passenger/material (electric)	95	4	70	76	6	-46	-2	-5	3	52
103	Generator, super silenced, 70dB(A) at 7m	95	4	70	76	6	-46	-2	-5	3	52
050	compactor, vibratory	105	4	70	76	6	-46	-2	-5	3	62
BS03	Backhoe	105	4	70	76	6	-46	-2	-5	3	62
021	Bar bender and cutter (electric)	90	6	70	76	8	-46	-2	-5	3	49
BS04	Bulldozer	109	2	70	76	3	-46	-2	-5	3	63
BS05	Saw	105	2	70	76	3	-46	-2	-5	3	59
BS06	Truck mixer	100	2	70	76	3	-46	-2	-5	3	54

Total SPL at NSR, dB(A) : 69
 Criterion, dB(A) : 70
 Exceedence, dB(A) : 0