

PME	TM or other reference	SWL, dB(A)	No. of PME	% on time	Screening Effect, dB(A)	Noise Mitigation Measures	Total SWL, dB(A)
<b>Construction for TSW Development at Ocean Park</b>							
<b>Activity 1 - EVA, Slope Stabilisation &amp; Site Formation</b>							
Air compressor, air flow > 10m <sup>3</sup> /min and <= 30m <sup>3</sup> /min	CNP 002	102	1	100%			102
Breaker, hand-held, mass >= 20kg and <= 35kg	CNP 025	111	1	50%			108
Concrete lorry mixer	CNP 044	109	2	50%			109
Crane, mobile/ barge mounted (diesel)	CNP 048	112	1	50%			109
Poker, vibratory, hand-held	CNP 170	113	2	100%			116
Bar bender and cutter (electric)	CNP 021	90	1	100%			90
Drill/grinder, hand-held (electric)	CNP 065	98	2	100%			101
Saw, circular, wood	CNP 201	108	2	100%			111
Dump truck, 5.5 tonne < gross vehicle weight =< 38 tonne	[1]	105	15	50%			114
Excavator, wheeled/tracked	EPD- 01217	100	3	80%			104
Total SWL, dB (A)							<b>120</b>
<b>Activity 2 - Foundation</b>							
Air compressor, air flow > 30m <sup>3</sup> /min	CNP 003	104	2	60%			105
Concrete lorry mixer	CNP 044	109	2	75%	-5	Movable Barrier	106
Crane, mobile/ barge mounted (diesel)	CNP 048	112	4	80%	-5	Movable Barrier	112
Poker, vibratory, hand-held	CNP 170	113	2	100%			116
Bar bender and cutter (electric)	CNP 021	90	2	80%			92
Drill/grinder, hand-held (electric)	CNP 065	98	2	50%			98
Saw, circular, wood	CNP 201	108	1	80%			107
Pipe piling rig (0.225 dia) (39 kW)	BS 5228 Table D.4/46	102	4	80%			107
Total SWL, dB (A)							<b>119</b>
<b>Activity 3 - Main Building Construction</b>							
Air compressor, air flow > 10m <sup>3</sup> /min and <= 30m <sup>3</sup> /min	CNP 002	102	2	80%			104
Breaker, hand-held, mass >= 20kg and <= 35kg	CNP 025	111	2	50%	-5	Movable Barrier	106
Concrete lorry mixer	CNP 044	109	6	80%	-5	Movable Barrier	111
Concrete pump, stationary/ lorry mounted	CNP 047	109	1	50%	-10	Movable Barrier	96
Poker, vibratory, hand-held	CNP 170	113	6	80%	-5	Movable Barrier	115
Bar bender and cutter (electric)	CNP 021	90	6	100%			98
Drill/grinder, hand-held (electric)	CNP 065	98	2	50%			98
Saw, circular, wood	CNP 201	108	6	70%			114
Crane, tower (electric)	CNP 049	95	3	100%			100
Crane, mobile/ barge mounted (diesel)	CNP 048	112	1	50%			109
Lorry, gross vehicle weight > 38 tonne	[1]	112	1	50%			109
Total SWL, dB (A)							<b>120</b>

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<b>Activity 4 - Superstructure</b>							
Air compressor, air flow > 10m <sup>3</sup> /min and ≤ 30m <sup>3</sup> /min	CNP 002	102	2	80%			104
Breaker, hand-held, mass ≥ 20kg and ≤ 35kg	CNP 025	111	2	50%	-5	Movable Barrier	106
Concrete lorry mixer	CNP 044	109	6	80%	-5	Movable Barrier	111
Concrete pump, stationary/ lorry mounted	CNP 047	109	1	50%	-10	Movable Barrier	96
Poker, vibratory, hand-held	CNP 170	113	6	80%	-10	Movable Barrier	110
Bar bender and cutter (electric)	CNP 021	90	6	100%			98
Drill/grinder, hand-held (electric)	CNP 065	98	2	50%			98
Saw, circular, wood	CNP 201	108	6	70%	-10	Movable Barrier	104
Crane, tower (electric)	CNP 049	95	3	100%			100
Crane, mobile/ barge mounted (diesel)	CNP 048	112	1	50%			109
Lorry, gross vehicle weight > 38 tonne	[1]	112	1	50%			109
Total SWL, dB (A)							<b>119</b>
<b>Activity 5 - Glass Curtain Wall Installation</b>							
Crane, mobile/ barge mounted (diesel)	CNP 048	112	3	100%			117
Drill/grinder, hand-held (electric)	CNP 065	98	2	50%			98
Crane, tower (electric)	CNP 049	95	3	70%			98
Total SWL, dB (A)							<b>117</b>
<b>Activity 6 - Water Rides Installation</b>							
Crane, mobile/ barge mounted (diesel)	CNP 048	112	2	100%			115
Drill/grinder, hand-held (electric)	CNP 065	98	1	50%			95
Crane, tower (electric)	CNP 049	95	2	70%			96
Total SWL, dB (A)							<b>115</b>
<b>Activity 7 - Interior Fitting Out</b>							
Air compressor, air flow > 10m <sup>3</sup> /min and ≤ 30m <sup>3</sup> /min	CNP 002	102	2	100%			105
Drill/grinder, hand-held (electric)	CNP 065	98	4	100%			104
Saw, circular, wood	CNP 201	108	3	100%			113
Total SWL, dB (A)							<b>114</b>
<b>Barging Point<sup>2</sup></b>							
Derrick barge	CNP 061	104	1	100%			104
Tug boat	CNP 221	110	1	100%			110
Total SWL, dB (A)							<b>111</b>
<b>Sewage Rising Main</b>							
Breaker, hand-held, mass > 10kg and < 20kg	CNP 024	108	2	100%			111
Generator, silenced, 75 dB(A) at 7 m	CNP 102	100	1	100%			100
Compactor, vibratory	CNP 050	105	2	60%			106
Air compressor, air flow > 10m <sup>3</sup> /min and ≤ 30m <sup>3</sup> /min	CNP 002	102	1	100%			102
Hoist, passenger/ material (electric)	CNP 122	95	2	100%			98
Bar bender and cutter (electric)	CNP 021	90	2	80%			92
Excavator, mini-robot mounted	[1]	94	2	70%			95
Winch (electric)	CNP 262	95	1	100%			95
Total SWL, dB (A)							<b>113</b>

Note:

[1] Extracted from EPD document namely, "Sound Power Levels of Other Commonly Used PME"

[2] The barging point is expected to operate 2 days per barge loading.

[http://www.epd.gov.hk/epd/english/application\\_for\\_licences/guidance/files/OtherSWLe.pdf](http://www.epd.gov.hk/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf)



