Alternative Ground Decontamination Works at the Proposed Kennedy Town Comprehensive Development Area Site Environmental Impact Assessment Report



## Appendix 4.5 Mitigated Construction Plant Inventory

Alternative Ground Decontamination Works at the Proposed Kennedy Town Comprehensive Development Area Sitey Environmental Impact Assessment Report

1

PME	TM or other reference	SWL, dB(A)	No. of PME	% on time	Screening Effect, dB(A)	Noise Mitigation Measures	Total SWL, dB(A)
Kennedy Town CDA Decontamination Works							
Activity 1 - Preliminaries	CNP 002	102	1	E09/	10	Moyable Derrier	80
Air compressor, air flow > 10m3/min and <= 30m3/min Breaker, mini-robot mounted	[1]	102 115	1	50% 50%	-10 -10	Movable Barrier Movable Barrier	89 102
Dump truck (50 t)	BS 5228 D.9/39	103	1	30%	-10		98
Welding plant	[2]	78	1	50%	-10	Movable Barrier	65
Cutter, circular, steel (electric)	[1]	112	2	70%	-10	Movable Barrier	103
Saw, circular, wood	CNP 201	108	1	50%	-10	Movable Barrier	95
Crane, mobile (QPME)	EPD- 01516	101	1	50%	-5	Movable Barrier	93
Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	1 Total SW	100% /L, dB (A)	-10	Movable Barrier	85 <b>107</b>
Activity 2. Execution & Compart Colidition							
Activity 2 - Excavation & Cement Solidification Group 1							
Piling, vibrating hammer	[1]	115	1	50%	-10	Noise Insulating Fabric	102
Dump truck (50 t)	BS 5228 D.9/39	103	2	30%		ggg	101
Excavator, wheeled/tracked (QPME)	EPD- 01230	99	6	50%	-5	Movable Barrier	99
Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	1	100%	-10	Movable Barrier	85
Water pump (electric)	CNP 281	88	6	100%	-10	Movable Barrier	86
Saw, circular, wood	CNP 201	108	4	50% 50%	-10	Movable Barrier	101 71
Welding plant	[2]	78		50% /L, dB (A)	-10	Movable Barrier	<b>107</b>
				7			
Group 2 Piling, large diameter bored, grab and chisel	CNP 164	115	1	40%	-10	Noise Insulating Fabric	101
Piling, large diameter bored, grab and chisel Piling, large diameter bored, oscillator	CNP 164 CNP 165	115 115	1	40%	-10 -10	Noise Insulating Fabric Noise Insulating Fabric	<u>101</u> 101
Piling, large diameter bored, reverse circulation drill	CNP 166	100	1	40%	-10	Noise Insulating Fabric	86
Piling, earth auger, auger	CNP 167	114	1	40%	-10	Noise Insulating Fabric	100
Dump truck (50 t)	BS 5228 D.9/39	103	1	30%			98
Excavator, wheeled/tracked (QPME)	EPD- 01230	99	5	50%	-5	Movable Barrier	98
Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	1	100%	-10	Movable Barrier	85
Water pump (electric)	CNP 281	88	6	100%	-10	Movable Barrier	86
Saw, circular, wood	CNP 201	108	2	50%	-10	Movable Barrier	98
Welding plant	[2]	78	4 Total SW	50% /L, dB (A)	-10	Movable Barrier	71 <b>107</b>
		Max	imum SW	/L, dB (A)			107
Activity 3 - Foundation							
Dump truck (50 t)	BS 5228 D.9/39	103	4	30%			104
Excavator, wheeled/tracked (QPME)	EPD- 01230	99	8	50%	-5	Movable Barrier	100
Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	1	100%	-10	Movable Barrier	85
Water pump (electric)	CNP 281	88	6	100%	-10	Movable Barrier	86
Saw, circular, wood	CNP 201	108	4	50%	-10	Movable Barrier	101
	[2]	108 78	4 4	50%	-10 -10		71
Saw, circular, wood Welding plant			4 4			Movable Barrier	
Saw, circular, wood Welding plant Activity 4 - Form Biopile	[2]	78	4 4 Total SW	50% /L, dB (A)		Movable Barrier	71 <b>107</b>
Saw, circular, wood Welding plant Activity 4 - Form Biopile Dump truck (50 t)	[2] BS 5228 D.9/39	78	4 4 Total SW 2	50% /L, dB (A) 30%	-10	Movable Barrier Movable Barrier	71 <b>107</b> 101
Saw, circular, wood Welding plant Activity 4 - Form Biopile Dump truck (50 t) Excavator, wheeled/tracked (QPME)	[2] BS 5228 D.9/39 EPD- 01230	78 103 99	4 4 Total SW	50% /L, dB (A) 30% 50%	-10 -5	Movable Barrier Movable Barrier Movable Barrier	71 <b>107</b> 101 99
Saw, circular, wood Welding plant Activity 4 - Form Biopile Dump truck (50 t) Excavator, wheeled/tracked (QPME) Generator, super silenced, 70 dB(A) at 7 m	[2] BS 5228 D.9/39 EPD- 01230 CNP 103	78	4 Total SW 2 6	50% /L, dB (A) 30%	-10	Movable Barrier Movable Barrier	71 <b>107</b> 101
Saw, circular, wood Welding plant Activity 4 - Form Biopile Dump truck (50 t) Excavator, wheeled/tracked (QPME)	[2] BS 5228 D.9/39 EPD- 01230	78 103 99 95	4 Total SW 2 6 1	50% /L, dB (A) 30% 50% 100%	-10 -5 -10	Movable Barrier Movable Barrier Movable Barrier Movable Barrier	71 <b>107</b> 101 99 85
Saw, circular, wood Welding plant Activity 4 - Form Biopile Dump truck (50 t) Excavator, wheeled/tracked (QPME) Generator, super silenced, 70 dB(A) at 7 m Water pump (electric)	[2] BS 5228 D.9/39 EPD- 01230 CNP 103 CNP 281	78 103 99 95 88	4 4 Total SW 2 6 1 6 4 4	50% /L, dB (A) 30% 50% 100% 100% 50% 50%	-10 -5 -10 -10 -10 -10 -10	Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier	71 <b>107</b> 101 99 85 86 101 71
Saw, circular, wood Welding plant Activity 4 - Form Biopile Dump truck (50 t) Excavator, wheeled/tracked (QPME) Generator, super silenced, 70 dB(A) at 7 m Water pump (electric) Saw, circular, wood	[2] BS 5228 D.9/39 EPD- 01230 CNP 103 CNP 281 CNP 201	78 103 99 95 88 108	4 4 Total SW 2 6 1 6 4 4	50% /L, dB (A) 30% 50% 100% 100% 50%	-10 -5 -10 -10 -10 -10 -10	Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier	71 <b>107</b> 101 99 85 86 101
Saw, circular, wood Welding plant Activity 4 - Form Biopile Dump truck (50 t) Excavator, wheeled/tracked (QPME) Generator, super silenced, 70 dB(A) at 7 m Water pump (electric) Saw, circular, wood Welding plant Activity 5 - Operate Biopile	[2] BS 5228 D.9/39 EPD- 01230 CNP 103 CNP 281 CNP 201 [2]	78       103       99       95       88       108       78	4 Total SW 2 6 1 6 4 4 Total SW	50% (L, dB (A) 30% 50% 100% 100% 50% 50% (L, dB (A)	-10 -5 -10 -10 -10 -10	Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier	71 107 101 99 85 86 101 71 105
Saw, circular, wood Welding plant Activity 4 - Form Biopile Dump truck (50 t) Excavator, wheeled/tracked (QPME) Generator, super silenced, 70 dB(A) at 7 m Water pump (electric) Saw, circular, wood Welding plant Activity 5 - Operate Biopile Generator, super silenced, 70 dB(A) at 7 m	[2] BS 5228 D.9/39 EPD- 01230 CNP 103 CNP 281 CNP 201 [2] CNP 103	78 103 99 95 88 108 78 95	4 4 Total SW 2 6 1 6 4 4 Total SW 2	50% (L, dB (A) 30% 50% 100% 100% 50% (L, dB (A)	-10 -5 -10 -10 -10 -10 -10	Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier	71 <b>107</b> 101 99 85 86 101 71 <b>105</b> 88
Saw, circular, wood Welding plant Activity 4 - Form Biopile Dump truck (50 t) Excavator, wheeled/tracked (QPME) Generator, super silenced, 70 dB(A) at 7 m Water pump (electric) Saw, circular, wood Welding plant Activity 5 - Operate Biopile	[2] BS 5228 D.9/39 EPD- 01230 CNP 103 CNP 281 CNP 201 [2]	78       103       99       95       88       108       78	4 4 Total SW 2 6 1 6 4 4 Total SW 2 2 2	50% (L, dB (A) 30% 50% 100% 100% 50% (L, dB (A) 100% 100%	-10 -5 -10 -10 -10 -10 -10 -10 -10	Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier	71 107 101 99 85 86 101 71 105
Saw, circular, wood Welding plant Activity 4 - Form Biopile Dump truck (50 t) Excavator, wheeled/tracked (QPME) Generator, super silenced, 70 dB(A) at 7 m Water pump (electric) Saw, circular, wood Welding plant Activity 5 - Operate Biopile Generator, super silenced, 70 dB(A) at 7 m Ventilation fan	[2] BS 5228 D.9/39 EPD- 01230 CNP 103 CNP 281 CNP 201 [2] CNP 103	78 103 99 95 88 108 78 95	4 4 Total SW 2 6 1 6 4 4 Total SW 2 2 2	50% (L, dB (A) 30% 50% 100% 100% 50% (L, dB (A)	-10 -5 -10 -10 -10 -10 -10 -10 -10	Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier	71 <b>107</b> 101 99 85 86 101 71 <b>105</b> 88 101
Saw, circular, wood Welding plant Activity 4 - Form Biopile Dump truck (50 t) Excavator, wheeled/tracked (QPME) Generator, super silenced, 70 dB(A) at 7 m Water pump (electric) Saw, circular, wood Welding plant Activity 5 - Operate Biopile Generator, super silenced, 70 dB(A) at 7 m Ventilation fan Activity 6 - Decommission Biopile	[2] BS 5228 D.9/39 EPD- 01230 CNP 103 CNP 281 CNP 201 [2] CNP 103 CNP 103 CNP 241	78 103 99 95 88 108 78 95 108	4 4 Total SW 2 6 1 6 4 4 Total SW 2 2 Total SW	50% (L, dB (A) 30% 50% 100% 50% 50% (L, dB (A) 100% (L, dB (A)	-10 -5 -10 -10 -10 -10 -10 -10 -10	Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier	71 <b>107</b> 101 99 85 86 101 71 <b>105</b> 88 101 <b>101</b>
Saw, circular, wood Welding plant Activity 4 - Form Biopile Dump truck (50 t) Excavator, wheeled/tracked (QPME) Generator, super silenced, 70 dB(A) at 7 m Water pump (electric) Saw, circular, wood Welding plant Activity 5 - Operate Biopile Generator, super silenced, 70 dB(A) at 7 m Ventilation fan Activity 6 - Decommission Biopile Dump truck (50 t)	[2] BS 5228 D.9/39 EPD- 01230 CNP 103 CNP 281 CNP 201 [2] CNP 103 CNP 103 CNP 241 BS 5228 D.9/39	78 103 99 95 88 108 78 95 108 108	4 4 Total SW 2 6 1 6 4 4 7 0 4 4 Total SW 2 Total SW	50% (L, dB (A) 50% 100% 50% 50% (L, dB (A) 100% 100% (L, dB (A) 30%	-10 -5 -10 -10 -10 -10 -10 -10	Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier	71 <b>107</b> 101 99 85 86 101 71 <b>105</b> 88 101 <b>101</b> <b>101</b>
Saw, circular, wood Welding plant Activity 4 - Form Biopile Dump truck (50 t) Excavator, wheeled/tracked (QPME) Generator, super silenced, 70 dB(A) at 7 m Water pump (electric) Saw, circular, wood Welding plant Activity 5 - Operate Biopile Generator, super silenced, 70 dB(A) at 7 m Ventilation fan Activity 6 - Decommission Biopile	[2] BS 5228 D.9/39 EPD- 01230 CNP 103 CNP 281 CNP 201 [2] CNP 103 CNP 103 CNP 241	78 103 99 95 88 108 78 95 108	4 4 Total SW 2 6 1 6 4 4 Total SW 2 2 Total SW 2 2 Total SW	50% (L, dB (A) 30% 50% 100% 50% 50% (L, dB (A) 100% (L, dB (A)	-10 -5 -10 -10 -10 -10 -10 -10 -5	Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier	71 <b>107</b> 101 99 85 86 101 71 <b>105</b> 88 101 <b>101</b>
Saw, circular, wood Welding plant Activity 4 - Form Biopile Dump truck (50 t) Excavator, wheeled/tracked (QPME) Generator, super silenced, 70 dB(A) at 7 m Water pump (electric) Saw, circular, wood Welding plant Activity 5 - Operate Biopile Generator, super silenced, 70 dB(A) at 7 m Ventilation fan Activity 6 - Decommission Biopile Dump truck (50 t) Excavator, wheeled/tracked (QPME)	[2] BS 5228 D.9/39 EPD- 01230 CNP 103 CNP 281 CNP 201 [2] CNP 103 CNP 103 CNP 241 BS 5228 D.9/39	78 103 99 95 88 108 78 95 108 108	4 4 Total SW 2 6 1 6 4 4 Total SW 2 2 Total SW 2 2 Total SW	50% (L, dB (A) 50% 100% 50% 50% (L, dB (A) 100% 100% (L, dB (A) 30% 50%	-10 -5 -10 -10 -10 -10 -10 -10 -5	Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier	71 <b>107</b> 101 99 85 86 101 71 <b>105</b> 88 101 <b>101</b> 99
Saw, circular, wood Welding plant Activity 4 - Form Biopile Dump truck (50 t) Excavator, wheeled/tracked (QPME) Generator, super silenced, 70 dB(A) at 7 m Water pump (electric) Saw, circular, wood Welding plant Activity 5 - Operate Biopile Generator, super silenced, 70 dB(A) at 7 m Ventilation fan Activity 6 - Decommission Biopile Dump truck (50 t) Excavator, wheeled/tracked (QPME) Activity 7 - Reinstate	[2] BS 5228 D.9/39 EPD- 01230 CNP 103 CNP 281 CNP 201 [2] CNP 103 CNP 241 BS 5228 D.9/39 EPD- 01230	78         103         99         95         88         108         78         95         108         95         108         99         95         95         95         103         99	4 4 Total SW 2 6 1 6 4 4 Total SW 2 Total SW 2 Cotal SW	50% (L, dB (A) 50% 100% 50% 50% (L, dB (A) 100% (L, dB (A) 30% 50% (L, dB (A)	-10 -5 -10 -10 -10 -10 -10 -10 -5	Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier	71 <b>107</b> 101 99 85 86 101 71 <b>105</b> 88 101 <b>101</b> 99 <b>103</b>
Saw, circular, wood Welding plant Activity 4 - Form Biopile Dump truck (50 t) Excavator, wheeled/tracked (QPME) Generator, super silenced, 70 dB(A) at 7 m Water pump (electric) Saw, circular, wood Welding plant Activity 5 - Operate Biopile Generator, super silenced, 70 dB(A) at 7 m Ventilation fan Activity 6 - Decommission Biopile Dump truck (50 t) Excavator, wheeled/tracked (QPME) Activity 7 - Reinstate Dump truck (50 t)	[2] BS 5228 D.9/39 EPD- 01230 CNP 103 CNP 281 CNP 201 [2] CNP 103 CNP 241 BS 5228 D.9/39 EPD- 01230	78 103 99 95 88 108 78 95 108 103 99 103	4 4 Total SW 2 6 1 6 4 4 Total SW 2 Total SW 2 Cotal SW 2 Total SW	50% (L, dB (A) 30% 50% 100% 50% 50% (L, dB (A) 30% 50% (L, dB (A)	-10 -5 -10 -10 -10 -10 -10 -10 -5	Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier	71 <b>107</b> 101 99 85 86 101 71 <b>105</b> 88 101 <b>101</b> 99 <b>103</b> 104
Saw, circular, wood Welding plant Activity 4 - Form Biopile Dump truck (50 t) Excavator, wheeled/tracked (QPME) Generator, super silenced, 70 dB(A) at 7 m Water pump (electric) Saw, circular, wood Welding plant Activity 5 - Operate Biopile Generator, super silenced, 70 dB(A) at 7 m Ventilation fan Activity 6 - Decommission Biopile Dump truck (50 t) Excavator, wheeled/tracked (QPME) Activity 7 - Reinstate Dump truck (50 t) Excavator, wheeled/tracked (QPME)	[2] BS 5228 D.9/39 EPD- 01230 CNP 103 CNP 281 CNP 201 [2] CNP 103 CNP 241 BS 5228 D.9/39 EPD- 01230 EPD- 01230	78 103 99 95 88 108 78 95 108 95 108 95 108 95 108 99 103 99	4 4 Total SW 2 6 1 6 4 4 Total SW 2 Total SW 2 Cotal SW	50% (L, dB (A) 50% 100% 50% 50% 50% (L, dB (A) 30% 50% (L, dB (A) 30% 50%	-10 -5 -10 -10 -10 -10 -10 -10 -5 -5	Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier	71 107 101 99 85 86 101 71 105 88 101 101 99 103 104 100
Saw, circular, wood Welding plant Activity 4 - Form Biopile Dump truck (50 t) Excavator, wheeled/tracked (QPME) Generator, super silenced, 70 dB(A) at 7 m Water pump (electric) Saw, circular, wood Welding plant Activity 5 - Operate Biopile Generator, super silenced, 70 dB(A) at 7 m Ventilation fan Activity 6 - Decommission Biopile Dump truck (50 t) Excavator, wheeled/tracked (QPME) Activity 7 - Reinstate Dump truck (50 t)	[2] BS 5228 D.9/39 EPD- 01230 CNP 103 CNP 281 CNP 201 [2] CNP 103 CNP 241 BS 5228 D.9/39 EPD- 01230	78 103 99 95 88 108 78 95 108 103 99 103	4 4 Total SW 2 6 1 6 4 4 4 Total SW 2 Total SW 2 2 Total SW 2 6 Total SW	50% (L, dB (A) 30% 50% 100% 50% 50% (L, dB (A) 30% 50% (L, dB (A)	-10 -5 -10 -10 -10 -10 -10 -10 -5	Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier	71 <b>107</b> 101 99 85 86 101 71 <b>105</b> 88 101 <b>101</b> 99 <b>103</b> 104
Saw, circular, wood Welding plant Activity 4 - Form Biopile Dump truck (50 t) Excavator, wheeled/tracked (QPME) Generator, super silenced, 70 dB(A) at 7 m Water pump (electric) Saw, circular, wood Welding plant Activity 5 - Operate Biopile Generator, super silenced, 70 dB(A) at 7 m Ventilation fan Activity 6 - Decommission Biopile Dump truck (50 t) Excavator, wheeled/tracked (QPME) Activity 7 - Reinstate Dump truck (50 t) Excavator, wheeled/tracked (QPME) Generator, super silenced, 70 dB(A) at 7 m	[2] BS 5228 D.9/39 EPD- 01230 CNP 103 CNP 281 CNP 201 [2] CNP 103 CNP 241 BS 5228 D.9/39 EPD- 01230 BS 5228 D.9/39 EPD- 01230 CNP 103	78 103 99 95 88 108 78 95 108 103 99 95 88 108	4 4 Total SW 2 6 1 6 4 4 4 Total SW 2 Total SW 2 2 Total SW 2 6 Total SW	50% (L, dB (A) 50% 100% 50% 50% 50% (L, dB (A) 100% (L, dB (A) 30% 50% (L, dB (A) 30% 50% 100% 50%	-10 -5 -10 -10 -10 -10 -10 -10 -10 -5 -5 -5 -10 -10 -10 -10 -10 -10	Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier	71 107 101 99 85 86 101 71 105 88 101 101 99 103 104 100 85 86 101
Saw, circular, wood Welding plant Activity 4 - Form Biopile Dump truck (50 t) Excavator, wheeled/tracked (QPME) Generator, super silenced, 70 dB(A) at 7 m Water pump (electric) Saw, circular, wood Welding plant Activity 5 - Operate Biopile Generator, super silenced, 70 dB(A) at 7 m Ventilation fan Activity 6 - Decommission Biopile Dump truck (50 t) Excavator, wheeled/tracked (QPME) Activity 7 - Reinstate Dump truck (50 t) Excavator, wheeled/tracked (QPME) Generator, super silenced, 70 dB(A) at 7 m Water pump (electric)	[2] BS 5228 D.9/39 EPD- 01230 CNP 103 CNP 281 CNP 201 [2] CNP 103 CNP 241 BS 5228 D.9/39 EPD- 01230 BS 5228 D.9/39 EPD- 01230 CNP 103 CNP 103 CNP 281	78 103 99 95 88 108 78 95 108 95 108 103 99 95 88	4 4 7otal SW 2 6 1 6 4 4 7otal SW 2 7otal SW 2 7otal SW 2 6 7otal SW 2 8 6 7otal SW	50% (L, dB (A) 50% 100% 50% 50% 50% (L, dB (A) 100% (L, dB (A) 30% 50% (L, dB (A) 30% 50% 100%	-10 -5 -10 -10 -10 -10 -10 -10 -10 -5 -5 -10 -10 -10	Movable Barrier Movable Barrier	71 107 101 99 85 86 101 71 105 88 101 101 99 103 104 100 85 86

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PME	TM or other reference	SWL, dB(A)	No. of PME	% on time	Screening Effect, dB(A)	Noise Mitigation Measures	Total SWL, dB(A)
Kennedy Town CDA Decontamination Works							
Activity 8 - Reprovision of RCP		I	I -			· · · · ·	
Excavator, wheeled/tracked (QPME)	EPD- 01230	99	4	50%	-5	Movable Barrier	97
Roller, vibratory (QPME) Poker, vibratory, hand-held (electric)	EPD- 00591 [1]	105 102	2	50% 50%	-5 -5	Movable Barrier Movable Barrier	100 97
Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	1	100%	-10	Movable Barrier	<u>97</u> 85
Bar bender and cutter (electric)	CNP 021	90	2	50%	-10	Movable Barrier	80
Saw, circular, wood	CNP 201	108	2	50%	-10	Movable Barrier	98
				<sup>/</sup> L, dB (A)			104
Activity 9 - Reprovision of Car Park		1	I .			· · · - ·	
Excavator, wheeled/tracked (QPME)	EPD- 01230	99	4	50%	-5	Movable Barrier	97
Roller, vibratory (QPME) Poker, vibratory, hand-held (electric)	EPD- 00591 [1]	105 102	2	50% 50%	-5 -5	Movable Barrier Movable Barrier	100 97
Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	1	100%	-10	Movable Barrier	85
Bar bender and cutter (electric)	CNP 021	90	2	50%	-10	Movable Barrier	80
Saw, circular, wood	CNP 201	108	2	50%	-10	Movable Barrier	98
			Total SW	′L, dB (A)			104
Activity 10 - Reprovision of Temporary Garden			1.	E S S S	_		
Excavator, wheeled/tracked (QPME)	EPD- 01230	99	4	50%	-5	Movable Barrier	97
Roller, vibratory (QPME)	EPD- 00591	105 102	2	50% 50%	-5 -5	Movable Barrier	<u>100</u> 97
Poker, vibratory, hand-held (electric) Generator, super silenced, 70 dB(A) at 7 m	[1] CNP 103	95	<u> </u>	100%	-5 -10	Movable Barrier Movable Barrier	<u>97</u> 85
Bar bender and cutter (electric)	CNP 021	90	2	50%	-10	Movable Barrier	80
Saw, circular, wood	CNP 201	108	2	50%	-10	Movable Barrier	98
	0111 201	100	Total SW		10	movable Bamer	104
Planned Residential Development / Planned Developme	nt						
Activity 1 - Demolition		I	I -			· · · - ·	
Air compressor, air flow > 10m3/min and <= 30m3/min	CNP 002	102	1	50%	-10	Movable Barrier	89
Breaker, mini-robot mounted	[1]	115	1	50%	-10	Movable Barrier	102
Dump truck (50 t)	BS 5228 D.9/39	103 78	1	30% 50%	-10	Maushia Damian	<u>98</u> 65
Welding plant Cutter, circular, steel (electric)	[2]	112	2	70%	-10	Movable Barrier Movable Barrier	103
Saw, circular, wood	CNP 201	108	1	50%	-10	Movable Barrier	95
Crane, mobile (QPME)	EPD- 01516	101	1	50%	-5	Movable Barrier	93
Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	1	100%	-10	Movable Barrier	85
			Total SW	′L, dB (A)			107
Activity 2 Foundation							
Activity 2 - Foundation Excavator, wheeled/tracked (QPME)	EPD- 01230	99	8	50%	-5	Movable Barrier	100
Generator, super silenced, 70 dB(A) at 7 m	CNP 103	99 95	3	100%	-10	Movable Barrier	90
Breaker, mini-robot mounted	[1]	115	1	50%	-10	Movable Barrier	102
Dump truck (50 t)	BS 5228 D.9/39	103	4	30%			104
Water pump (electric)	CNP 281	88	4	100%	-10	Movable Barrier	84
			Total SW	′L, dB (A)			107
Activity 3 - Sub-structure	CNP 101	109	2	100%	10	Moyable Berrier	101
Generator, standard Air compressor, air flow > 10m3/min and <= 30m3/min	CNP 101 CNP 002	108 102	2	100% 50%	-10 -10	Movable Barrier Movable Barrier	92
Piling, large diameter bored, reverse circulation drill	CNP 166	102	2	100%	-10	Noise Insulating Fabric	92
Excavator, wheeled/tracked (QPME)	EPD- 01230	99	2	50%	-5	Movable Barrier	94
Bar bender and cutter (electric)	CNP 021	90	2	50%	-10	Movable Barrier	80
Crane, mobile (QPME)	EPD- 01516	101	1	50%	-5	Movable Barrier	93
Lorry (20 t)	BS 5228 D.9/19	102	2	50%			102
Dump truck (50 t)	BS 5228 D.9/39	103	2	30%			101
Concrete lorry mixer	CNP 044	109	1	50%			106
Poker, vibratory, hand-held (electric)	[1]	102	4	50%	-5	Movable Barrier	100
Concrete pump, stationary/ lorry mounted	CNP 047 CNP 281	109	1	50%	-5	Movable Barrier	101
Water pump (electric)	UNP 201	88	2 Total SW	100% ′L, dB (A)	-10	Movable Barrier	81 <b>110</b>
			10101 011	L, GD (A)	1		110
Activity 4 - Superstructure							
	CNP 101	108	2	100%	-10	Movable Barrier	101
Generator, standard		100	2	100%	-10	Noise Insulating Fabric	93
	CNP 166					Maurah La Dannian	93
Piling, large diameter bored, reverse circulation drill Crane, mobile (QPME)	EPD- 01516	101	1	50%	-5	Movable Barrier	
Piling, large diameter bored, reverse circulation drill Crane, mobile (QPME) Concrete lorry mixer	EPD- 01516 CNP 044	109	1	50%			106
Piling, large diameter bored, reverse circulation drill Crane, mobile (QPME) Concrete lorry mixer Poker, vibratory, hand-held (electric)	EPD- 01516 CNP 044 [1]	109 102	1 4	50% 50%	-5	Movable Barrier	106 100
Piling, large diameter bored, reverse circulation drill Crane, mobile (QPME) Concrete lorry mixer	EPD- 01516 CNP 044	109	1 4 1	50%	-5 -5		106

Note: [1] Extracted from EPD document namely, "Sound Power Levels of Other Commonly Used PME" http://www.epd.gov.hk/epd/english/application\_for\_licences/guidance/files/OtherSWLe.pdf [2] SWL of Welding set is referred to the Appendix 5.1 of approved EIA Report of Hong Kong Section of Guangzhou - Shenzhen - Hong Kong Express Rail Link