nm Part of the Vertices Bits Bits Part of the Vertices Bits Bits	Screening Effect, dB(A)	Noise Mitigation Measures	Total SW dB(A)					
Zon								
						-5	Movable Barrier	94
								92
								78 92
						-10	Movable Barrier	78
	Water pump, submersible (electric)	CNP 283		2		-15	Enclosure	71
								95
								99 80
		CINF 103	90		100 %	-15	Total SWL, dB (A)	102
	Crane, mobile					-5	Movable Barrier	91
								92
								100 98
						-10		103
				1		-10	Fabric	88
						-10	Fabric	103
								89
								78
								93 78
								80
						-13	Movable Barrier	95
	Concrete lorry mixer		109		30%	-5	Movable Barrier	99
				2		-10	Movable Barrier	69
							Total SWL, dB (A)	108
		EDD 01220	00	2	200/	E	Moyoble Persier	00
						-5 -10	Movable Barrier Fabric	<u>92</u> 100
						-10	Fabric	98
1	Piling, large diameter bored, grab and chisel	CNP 164	115		60%	-10	Fabric	103
				1		-10	Fabric	88
						-10		103
								91
								78 93
								78
				1		-15	Enclosure	80
1							Total SWL, dB (A)	108
1						Maximum SW	I dB (A) of Activity 2	108
Processory at the 200000 Processory at the 2000000 Processory at the 2000000 Processory at the 2000000 Processory at the 2000000 Processory at the 20000000 Processory at the 2000000000000000000000000000000000000								
Zon							2, d8 (1) 017 (davidy 2	
Zon	Activity 1 - D Walling	EPD-01516	<u>101</u>	2	60%		Movable Barrier	97
Zon	Activity 1 - D Walling Crane, mobile Air compressor, air flow > 30m3/min	CNP 003	104	2	100%	-5 -15	Movable Barrier Enclosure	97 92
Zon	Activity 1 - D Walling Crane, mobile Air compressor, air flow > 30m3/min Piling, diaphragm wall, hydraulic extractor	CNP 003 CNP 163	104 90	2 1	100% 60%	-5 -15 -10	Movable Barrier Enclosure Fabric	97 92 78
Zon	Activity 1 - D Walling Crane, mobile Air compressor, air flow > 30m3/min Piling, diaphragm wall, hydraulic extractor Excavator, wheeled/tracked	CNP 003 CNP 163 EPD-01230	104 90 99	2 1 2	100% 60% 60%	-5 -15 -10 -5	Movable Barrier Enclosure Fabric Movable Barrier	97 92 78 95
Zon	Activity 1 - D Walling Crane, mobile Air compressor, air flow > 30m3/min Piling, diaphragm wall, hydraulic extractor Excavator, wheeled/tracked Grout Nixer	CNP 003 CNP 163 EPD-01230 [1]	104 90 99 90	2 1 2 1	100% 60% 60%	-5 -15 -10 -5 -10	Movable Barrier Enclosure Fabric Movable Barrier Movable Barrier	97 92 78 95 78
Zon	Activity 1 - D Walling Crane, mobile Air compressor, air flow > 30m3/min Piling, diaphragm wall, hydraulic extractor Excavator, wheeled/tracked Grout Mixer Water pump, submersible (electric)	CNP 003 CNP 163 EPD-01230 [1] CNP 283	104 90 99 90 85	2 1 2 1 1	100% 60% 60% 60%	-5 -15 -10 -5 -10 -15	Movable Barrier Enclosure Fabric Movable Barrier Movable Barrier Enclosure	97 92 78 95 78 68
Zon	Activity 1 - D Walling Crane, mobile Air compressor, air flow > 30m3/min Piling, diaphragm wall, hydraulic extractor Excavator, wheeled/tracked Grout Mixer Water pump, submersible (electric) Dump truck, 5.5 tonne < gross vehicle weight =< 38 tonne	CNP 003 CNP 163 EPD-01230 [1] CNP 283 [1]	104 90 99 90 85 105	2 1 2 1 1 1 1	100% 60% 60% 60% 30%	-5 -15 -10 -5 -10 -15 -5	Movable Barrier Enclosure Fabric Movable Barrier Movable Barrier	97 92 78 95 78
Zon	Activity 1 - D Walling Crane, mobile Air compressor, air flow > 30m3/min Piling, diaphragm wall, hydraulic extractor Excavator, wheeled/tracked Grout Mixer Water pump, submersible (electric) Dump truck, 5.5 tonne < gross vehicle weight =< 38 tonne Concrete lorry mixer	CNP 003 CNP 163 EPD-01230 [1] CNP 283 [1] CNP 044	104 90 99 90 85 105 109	2 1 2 1 1 1 1	100% 60% 60% 60% 30% 60%	-5 -15 -10 -6 -10 -15 -5 -5	Movable Barrier Enclosure Fabric Movable Barrier Enclosure Movable Barrier Movable Barrier Enclosure	97 92 78 95 78 68 95 102 80
Zon	Activity 1 - D Walling Crane, mobile Air compressor, air flow > 30m3/min Piling, diaphragm wall, hydraulic extractor Excavator, wheeled/tracked Grout Mixer Water pump, submersible (electric) Dump truck, 5.5 tonne < gross vehicle weight =< 38 tonne Concrete lonry mixer Generator, super silenced, 70 dB(A) at 7 m	CNP 003 CNP 163 EPD-01230 [1] CNP 283 [1] CNP 044	104 90 99 90 85 105 109	2 1 2 1 1 1 1	100% 60% 60% 60% 30% 60%	-5 -15 -10 -6 -10 -15 -5 -5	Movable Barrier Enclosure Fabric Movable Barrier Movable Barrier Movable Barrier Movable Barrier	97 92 78 95 78 68 95 102
Zon	Activity 1 - D Walling Crane, mobile Air compressor, air flow > 30m3/min Piling, diaphragm wall, hydraulic extractor Excavator, wheeled/tracked Grout Mixer Ump truck, 5.5 tonne < gross vehicle weight =< 38 tonne	CNP 003 CNP 163 EPD-01230 [1] CNP 283 [1] CNP 044 CNP 103	104 90 99 90 85 105 109 95	2 1 2 1 1 1 1 1 1	100% 60% 60% 60% 30% 60% 100%	-5 -15 -10 -5 -10 -15 -5 -5 -5 -15	Movable Barrier Enclosure Fabric Movable Barrier Enclosure Movable Barrier Movable Barrier Enclosure Total SWL, dB (A)	97 92 78 95 78 68 95 102 80 104
Zon	Activity 1 - D Walling Crane, mobile Air compressor, air flow > 30m3/min Piling, diaphragm wall, hydraulic extractor Excavator, wheeled/tracked Grout Mixer Water pump, submersible (electric) Dump truck, 5.5 tonne < gross vehicle weight =< 38 tonne Concrete lorry mixer Generator, super silenced, 70 dB(A) at 7 m Activity 2 - Bored Piling Crane, mobile	CNP 003 CNP 163 EPD-01230 [1] CNP 283 [1] CNP 044 CNP 103 EPD-01516	104 90 99 90 85 105 109 95	2 1 2 1 1 1 1 1 2 2	100% 60% 60% 60% 30% 60% 100%	-5 -15 -10 -5 -10 -15 -5 -5 -15 -5	Movable Barrier Enclosure Fabric Movable Barrier Enclosure Movable Barrier Movable Barrier Enclosure Total SWL, dB (A)	97 92 78 95 78 95 102 80 102 80 104
Zon	Activity 1 - D Walling Crane, mobile Air compressor, air flow > 30m3/min Piling, diaphragm wall, hydraulic extractor Excavator, wheeled/tracked Grout Mixer Water pump, submersible (electric) Dump truck, 5.5 tonne < gross vehicle weight =< 38 tonne	CNP 003 CNP 163 EPD-01230 [1] CNP 283 [1] CNP 044 CNP 103 EPD-01516 EPD-01230	104 90 99 90 85 105 109 95 101 99	2 1 1 1 1 1 1 1 2 2 2	100% 60% 60% 60% 30% 60% 100%	-5 -15 -10 -5 -10 -15 -5 -5 -15 -5 -15 -5 -5 -5 -5 -5 -5 -5	Movable Barrier Fabric Fabric Movable Barrier Enclosure Enclosure Movable Barrier Total SWL, dB (A) Movable Barrier Movable Barrier	97 92 78 95 78 68 95 102 80 104
Zon	Activity 1 - D Walling Crane, mobile Air compressor, air flow > 30m3/min Piling, diaphragm wall, hydraulic extractor Excavator, wheeled/tracked Grout Mixer Water pump, submersible (electric) Dump truck, 5.5 tonne < gross vehicle weight =< 38 tonne Concrete lorry mixer Generator, super silenced, 70 dB(A) at 7 m Activity 2 - Bored Piling Crane, mobile Excavator, wheeled/tracked Piling Rig Dnfl Rig	CNP 003 CNP 163 EPD-01230 [1] CNP 283 [1] CNP 044 CNP 103 EPD-01516 EPD-01530 [2] [1]	104 90 99 90 85 105 109 95 101 99 112 110	2 1 1 1 1 1 1 1 2 2 2 2 2 2	100% 60% 60% 60% 30% 60% 100%	-5 -15 -10 -5 -10 -15 -5 -5 -15 -5 -10 -10	Movable Barrier Fabric Fabric Movable Barrier Enclosure Movable Barrier Movable Barrier Total SWL, dB (A) Movable Barrier Movable Barrier Fabric	97 92 78 95 78 68 95 102 80 104 97 97 92 103 101
Zon	Activity 1 - D Walling Crane, mobile Air compressor, air flow > 30m3/min Piling, diaphragm wall, hydraulic extractor Excavator, wheeled/tracked Grout Mixer Water pump, submersible (electric) Dump truck, 5.5 tonne < gross vehicle weight =< 38 tonne	CNP 003 CNP 163 EPD-01230 [1] CNP 283 [1] CNP 044 CNP 103 EPD-01516 EPD-01230 [2] [1] EPD-01230	104 90 99 85 105 109 95 95 101 99 112 110 99	2 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2	100% 60% 60% 60% 30% 60% 100% 60% 60% 60%	-5 -15 -10 -5 -10 -15 -5 -5 -15 -5 -15 -5 -15 -5 -10 -10 -10 -5	Movable Barrier Fabric Fabric Movable Barrier Enclosure Movable Barrier Enclosure Total SWL, dB (A) Movable Barrier Movable Barrier Fabric Fabric Movable Barrier	97 92 78 95 78 68 95 102 80 104 95 104 97 97 92 103 101 95
Zon	Activity 1 - D Walling Crane, mobile Air compressor, air flow > 30m3/min Piling, diaphragm wall, hydraulic extractor Excavator, wheeled/tracked Grout Mixer Water pump, submersible (electric) Dump truck, 5.5 tonne c gross vehicle weight =< 38 tonne	CNP 003 CNP 163 EPD-01230 [1] CNP 283 [1] CNP 044 CNP 103 EPD-01516 EPD-01516 EPD-01230 [2] [1] EPD-01230 CNP 164	104 90 99 90 85 105 109 95 101 99 101 99 112 110 99 115	2 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2	100% 60% 60% 60% 30% 60% 100% 80% 60% 60% 60%	-5 -15 -10 -5 -70 -15 -5 -5 -5 -5 -5 -5 -5 -15 -15 -10 -10 -5 -5 -10 -10 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -7 -5 -7 -5 -7 -5 -7 -5 -7 -5 -7 -5 -7 -5 -7 -5 -7 -5 -7 -5 -7 -5 -7 -5 -7 -5 -7 -7 -7 -5 -7 -7 -5 -7 -7 -5 -7 -7 -5 -7 -7 -5 -7 -7 -5 -7 -7 -5 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7	Movable Barrier Enclosure Fabric Movable Barrier Enclosure Movable Barrier Enclosure Total SWL, dB (A) Movable Barrier Movable Barrier Movable Barrier Fabric Fabric Fabric	97 92 78 95 78 66 95 102 80 104 97 97 92 103 101 95 106
Zon	Activity 1 - D Walling Crane, mobile Air compressor, air flow > 30m3/min Piling, diaphragm wall, hydraulic extractor Excavator, wheeled/tracked Grout Nixer Water pump, submersible (electric) Dump truck, 5.5 tonne < gross vehicle weight =< 38 tonne	CNP 003 CNP 163 EPD-01230 [1] CNP 283 [1] CNP 044 CNP 103 EPD-01516 EPD-01230 [2] [1] EPD-01230 CNP 164 CNP 164	104 90 99 85 105 109 95 109 95 112 110 99 112 110 99 115 100	2 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2	100% 60% 60% 60% 60% 50% 100% 100%	-5 -15 -10 -5 -10 -15 -5 -5 -5 -15 -15 -10 -10 -10 -10 -10 -10 -10	Movable Barrier Fabric Fabric Movable Barrier Enclosure Enclosure Total SWL, dB (A) Movable Barrier Total SWL, dB (A) Movable Barrier Fabric Fabric Movable Barrier Fabric Fabric Fabric	97 92 78 95 78 95 102 80 80 80 95 100 97 92 1003 101 95 106 91
	Activity 1 - D Walling Crane, mobile Air compressor, air flow > 30m3/min Piling, diaphragm wall, hydraulic extractor Excavator, wheeled/tracked Grout Mixer Ump truck, 5.5 tonne < gross vehicle weight =< 38 tonne	CNP 003 CNP 163 EPD-01230 [1] CNP 283 [1] CNP 044 CNP 103 EPD-01516 EPD-01230 [2] [1] EPD-01230 CNP 164 CNP 165	104 90 99 90 85 105 109 95 109 95 100 109 99 112 110 99 9115 100	2 1 2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2	100% 60% 60% 60% 60% 30% 60% 100% 100% 100%	-5 -15 -10 -5 -5 -5 -5 -5 -15 -15 -15 -10 -10 -5 -5 -10 -10 -10 -10 -10 -10	Movable Barrier Enclosure Fabric Movable Barrier Enclosure Movable Barrier Enclosure Total SWL, dB (A) Movable Barrier Movable Barrier Fabric Fabric Fabric Fabric Fabric Fabric Fabric	97 92 78 95 78 66 95 102 80 104 97 97 92 103 101 95 106
	Activity 1 - D Walling Crane, mobile Air compressor, air flow > 30m3/min Piling, diaphragm wall, hydraulic extractor Excavator, wheeled/tracked Grout Mixer Water pump, submersible (electric) Dump truck, 5.5 tonne < gross vehicle weight =< 38 tonne	CNP 003 CNP 163 EPD-01230 [1] CNP 283 [1] CNP 044 CNP 103 EPD-01516 EPD-01516 EPD-01230 [2] [1] EPD-01230 CNP 164 CNP 165 CNP 003	104 90 99 90 85 105 109 95 109 95 112 110 99 99 115 100 115 104	2 1 2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2	100% 60% 60% 60% 30% 60% 100% 60% 60% 60% 60% 60% 60% 60% 100%	-5 -15 -10 -5 -10 -15 -5 -5 -15 -15 -5 -10 -10 -10 -10 -10 -10 -10 -10 -10	Movable Barrier Enclosure Fabric Movable Barrier Enclosure Movable Barrier Enclosure Total SWL, dB (A) Movable Barrier Movable Barrier Fabric Fabric Fabric Fabric Fabric Fabric Fabric	97 92 78 95 78 95 102 80 104 97 92 103 101 95 106 91 106
	Activity 1 - D Walling Crane, mobile Air compressor, air flow > 30m3/min Piling, diaphragm wall, hydraulic extractor Excavator, wheeled/tracked Grout Mixer Water pump, submersible (electric) Dump truck, 5.5 tonne c.gross vehicle weight =< 38 tonne	CNP 003 CNP 163 EPD-01230 [1] CNP 283 [1] CNP 283 [1] CNP 044 CNP 103 EPD-01516 EPD-01516 [2] [1] EPD-01230 [2] [1] EPD-01230 CNP 164 CNP 165 CNP 003 [1] [1]	104 90 99 90 85 105 109 95 105 109 95 112 110 115 104 90 105	2 1 2 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2	100% 60% 60% 60% 30% 60% 100% 60% 60% 60% 60% 60% 60% 60% 60% 60%	-5 -15 -10 -5 -10 -15 -5 -5 -5 -5 -5 -5 -5 -5 -15 -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	Movable Barrier Enclosure Fabric Movable Barrier Enclosure Enclosure Movable Barrier Enclosure Total SVL, dB (A) Movable Barrier Movable Barrier Fabric Fabric Fabric Fabric Fabric Enclosure Enclosure Movable Barrier Movable Barrier	97 92 78 95 78 80 102 80 104 97 92 1003 101 97 92 1003 1006 91
	Activity 1 - D Walling Crane, mobile Air compressor, air flow > 30m3/min Piling, diaphragm wall, hydraulic extractor Excavator, wheeled/tracked Grout Mixer Water pump, submersible (electric) Dump truck, 5.5 tonne < gross vehicle weight =< 38 tonne	CNP 003 CNP 163 EPD-01230 [1] CNP 283 [1] CNP 044 CNP 103 EPD-01516 EPD-01230 [2] [1] EPD-01230 CNP 166 CNP 166 CNP 166 CNP 166 CNP 166 CNP 003 [1] [1] CNP 021	104 90 99 90 105 105 109 95 101 109 95 112 110 115 100 115 100 115 100 104 90 90	2 1 2 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2	100% 60% 60% 60% 60% 60% 60% 60% 60% 60%	-5 -15 -10 -5 -10 -15 -5 -5 -15 -15 -15 -15 -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	Movable Barrier Enclosure Fabric Movable Barrier Enclosure Enclosure Movable Barrier Enclosure Total SWL, dB (A) Movable Barrier Fabric Fabric Fabric Fabric Fabric Fabric Fabric Fabric Fabric Fabric Fabric Fabric Fabric Fabric Fabric Fabric Movable Barrier Movable Barrier Movable Barrier	97 92 78 95 78 68 95 102 80 104 97 97 92 103 101 106 91 106 91 106 91 106 81 81
	Activity 1 - D Walling Crane, mobile Air compressor, air flow > 30m3/min Piling, diaphragm wall, hydraulic extractor Excavator, wheeled/tracked Grout Mixer Water pump, submersible (electric) Dump truck, 5.5 tonne < gross vehicle weight =< 38 tonne	CNP 003 CNP 163 EPD-01230 [1] CNP 283 [1] CNP 044 CNP 103 EPD-01516 EPD-01230 [2] [1] EPD-01230 CNP 164 CNP 165 CNP 165 CNP 003 [1] [1] CNP 021 CNP 103	104 90 99 85 105 109 95 109 95 112 110 115 100 115 100 105 90 105 90 95	2 1 2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2	100% 60% 60% 60% 30% 60% 100% 60% 60% 60% 60% 60% 60% 60% 60% 60%	-5 -15 -10 -5 -5 -5 -5 -15 -15 -15 -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	Movable Barrier Enclosure Fabric Movable Barrier Enclosure Movable Barrier Enclosure Movable Barrier Total SWL, dB (A) Movable Barrier Fabric Fabric Fabric Fabric Fabric Fabric Enclosure Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Enclosure Movable Barrier Movable Barrier	97 92 78 95 78 86 95 102 80 102 80 102 80 104 97 92 103 1011 95 106 91 106 97 81 81 83
	Activity 1 - D Walling Crane, mobile Air compressor, air flow > 30m3/min Piling, diaphragm wall, hydraulic extractor Excavator, wheeled/tracked Grout Mixer Water pump, submersible (electric) Dump truck, 5.5 tonne c gross vehicle weight =< 38 tonne	CNP 003 CNP 163 EPD-01230 [1] CNP 283 [1] CNP 044 CNP 103 EPD-01516 EPD-01516 EPD-01230 [2] [1] EPD-01230 CNP 164 CNP 165 CNP 165 CNP 003 [1] [1] CNP 021 CNP 103 [1]	104 90 99 90 85 105 109 95 105 109 95 112 110 109 99 112 115 100 105 90 95 105	2 1 2 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2	100% 60% 60% 60% 60% 100% 60% 60% 60% 60% 60% 60% 60% 60% 60%	$\begin{array}{c} -5 \\ -15 \\ -10 \\ -5 \\ -10 \\ -15 \\ -5 \\ -5 \\ -5 \\ -5 \\ -15 \\ -5 \\ -$	Movable Barrier Enclosure Fabric Movable Barrier Enclosure Enclosure Movable Barrier Enclosure Total SWL, dB (A) Movable Barrier Movable Barrier Movable Barrier Fabric Fabric Fabric Fabric Fabric Fabric Fabric Fabric Enclosure Movable Barrier Movable Barrier Movable Barrier	97 92 78 95 78 95 102 80 104 97 97 92 103 101 97 97 92 103 101 96 91 106 91 90 6 81 81 83 95
Zon	Activity 1 - D Walling Crane, mobile Air compressor, air flow > 30m3/min Piling, diaphragm wall, hydraulic extractor Excavator, wheeled/tracked Grout Mixer Water pump, submersible (electric) Dump truck, 5.5 tonne < gross vehicle weight =< 38 tonne	CNP 003 CNP 163 EPD-01230 [1] CNP 283 [1] CNP 044 CNP 103 EPD-01516 EPD-01230 [2] [1] EPD-01230 CNP 164 CNP 165 CNP 165 CNP 003 [1] [1] CNP 003 [1] CNP 004 [1] CNP 044	104 90 99 90 85 105 105 109 95 105 109 95 112 110 99 115 100 115 100 115 100 90 95 109	2 1 2 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2	100% 60% 60% 60% 30% 60% 100% 60% 60% 60% 60% 60% 60% 60% 60% 60%	-5 -15 -10 -5 -10 -15 -5 -5 -5 -5 -15 -15 -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	Movable Barrier Fabric Fabric Movable Barrier Enclosure Enclosure Total SWL, dB (A) Movable Barrier Total SWL, dB (A) Movable Barrier Fabric Fabric Fabric Fabric Fabric Fabric Fabric Enclosure Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier	97 92 78 95 78 80 102 80 102 103 101 97 92 103 101 106 91 106 97 7 81 81 83 55 102
Product Unit	97 92 78 95 78 95 102 80 104 97 97 92 103 101 97 97 92 103 101 96 91 106 91 90 6 81 81 83 95							
	Activity 1 - D Walling Crane, mobile Air compressor, air flow > 30m3/min Piling, diaphragm wall, hydraulic extractor Excavator, wheeled/tracked Grout Mixer Water pump, submersible (electric) Dump truck, 5.5 tonne < gross vehicle weight =< 38 tonne	CNP 003 CNP 163 EPD-01230 [1] CNP 283 [1] CNP 044 CNP 103 EPD-01516 EPD-01230 [2] [1] EPD-01230 CNP 164 CNP 165 CNP 165 CNP 003 [1] [1] CNP 003 [1] CNP 004 [1] CNP 044	104 90 99 90 85 105 105 109 95 105 109 95 112 110 99 115 100 115 100 115 100 90 95 109	2 1 2 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2	100% 60% 60% 60% 30% 60% 100% 60% 60% 60% 60% 60% 60% 60% 60% 60%	-5 -15 -10 -5 -10 -15 -5 -5 -5 -5 -15 -15 -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	Movable Barrier Enclosure Fabric Movable Barrier Enclosure Enclosure Movable Barrier Enclosure Total SVL, dB (A) Movable Barrier Movable Barrier Fabric Fabric Fabric Fabric Enclosure Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier	97 92 78 95 102 80 104 97 97 92 103 104 97 97 91 105 106 91 96 91 106 97 81 83 95 66 9
	Activity 1 - D Walling Crane, mobile Air compressor, air flow > 30m3/min Piling, diaphragm wall, hydraulic extractor Excavator, wheeled/tracked Grout Mixer Water pump, submersible (electric) Dump truck, 5.5 tonne < gross vehicle weight =< 38 tonne	CNP 003 CNP 163 EPD-01230 [1] CNP 283 [1] CNP 044 CNP 103 EPD-01516 EPD-01230 [2] [1] EPD-01230 CNP 165 CNP 165 CNP 103 [1] [1] [1] [1] [1] [1] [1] [2] [2] [2] [2] [2] [2] [2] [2	104 90 99 90 85 105 105 109 95 105 100 99 112 100 99 115 100 105 105 105 105 109 99 99 110 100 99 95 105 78	2 1 2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2	100% 60% 60% 60% 30% 60% 100% 60% 60% 60% 60% 60% 60% 60% 60% 60%	-5 -15 -10 -5 -10 -15 -5 -5 -15 -15 -15 -15 -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	Movable Barrier Enclosure Fabric Movable Barrier Enclosure Enclosure Movable Barrier Enclosure Total SWL, dB (A) Movable Barrier Movable Barrier Fabric Fabric Fabric Fabric Fabric Fabric Enclosure Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Total SWL, dB (A)	97 92 78 95 78 80 102 80 104 97 97 92 103 101 95 106 91 97 81 106 91 106 91 106 91 112 102 69 1112
	Activity 1 - D Walling Crane, mobile Air compressor, air flow > 30m3/min Piling, diaphragm wall, hydraulic extractor Excavator, wheeled/tracked Grout Mixer Water pump, submersible (electric) Dump truck, 5.5 tonne < gross vehicle weight =< 38 tonne	CNP 003 CNP 163 EPD-01230 [1] CNP 283 [1] CNP 044 CNP 103 EPD-01516 EPD-01230 [2] [1] EPD-01230 CNP 164 CNP 165 CNP 103 [1] [1] CNP 021 CNP 024 [2] [2] [2] [2] [2] [3] [4] [5] [5] [5] [5] [5] [5] [5] [5	104 90 99 85 105 109 95 5 105 109 95 112 110 115 100 105 105 105 109 99 105 105 109 78	2 1 2 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2	100% 60% 60% 60% 60% 30% 60% 60% 60% 60% 60% 60% 60% 60% 60% 6	-5 -15 -10 -5 -5 -5 -5 -5 -15 -15 -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	Movable Barrier Enclosure Fabric Movable Barrier Enclosure Enclosure Movable Barrier Total SWL, dB (A) Movable Barrier Movable Barrier Fabric Fabric Fabric Fabric Enclosure Movable Barrier Movable Barrier Total SWL, dB (A)	97 92 78 95 78 95 102 80 104 97 97 92 103 104 97 97 81 96 91 106 91 106 91 106 97 81 81 83 95 1022 97 102 97 97 97 97 97 92 97 97 92 97 97 92 97 97 92 97 97 92 97 97 97 97 97 97 97 97 97 97 97 97 97
	Activity 1 - D Walling Crane, mobile Air compressor, air flow > 30m3/min Piling, diaphragm wall, hydraulic extractor Excavator, wheeled/tracked Grout Mixer Water pump, submersible (electric) Dump truck, 5.5 tonne c gross vehicle weight =< 38 tonne	CNP 003 CNP 163 EPD-01230 [1] CNP 283 [1] CNP 044 CNP 103 EPD-01516 EPD-01230 [2] [1] EPD-01230 CNP 165 CNP 165 CNP 003 [1] CNP 021 CNP 103 [1] CNP 044 [2] EPD-01516 CNP 003 CNP 163	104 90 99 90 85 105 109 95 105 109 95 112 110 109 90 115 104 90 95 105 105 109 78 105 105 109 95 105 109 95 95 90 95 95 95 95 95 95 95 95 95 95 95 95 95	2 1 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2	100% 60% 60% 60% 60% 30% 60% 60% 60% 60% 60% 60% 60% 60% 60% 6	$\begin{array}{c} -5 \\ -15 \\ -10 \\ -5 \\ -10 \\ -15 \\ -5 \\ -5 \\ -5 \\ -15 \\ -5 \\ -15 \\ -10 \\ -15 \\ -5 \\ -5 \\ -10 \\ -5 \\ -5 \\ -10 \\ -5 \\ -5 \\ -10 \\$	Movable Barrier Enclosure Fabric Movable Barrier Enclosure Enclosure Movable Barrier Enclosure Total SWL, dB (A) Movable Barrier Movable Barrier Fabric Fabric Fabric Fabric Fabric Enclosure Movable Barrier Enclosure Movable Barrier Enclosure Movable Barrier Enclosure Movable Barrier Total SWL, dB (A) Movable Barrier Enclosure Movable Barrier Enclosure Movable Barrier Enclosure Movable Barrier Enclosure Movable Barrier Enclosure Movable Barrier Enclosure Movable Barrier Total SWL, dB (A)	97 92 78 95 102 80 104 104 97 92 103 101 96 97 97 92 103 101 106 97 81 106 97 81 106 97 102 81 102 81 102 85 81
	Activity 1 - D Walling Crane, mobile Air compressor, air flow > 30m3/min Piling, diaphragm wall, hydraulic extractor Excavator, wheeled/tracked Grout Mixer Water pump, submersible (electric) Dump truck, 5.5 tonne < gross vehicle weight =< 38 tonne	CNP 003 CNP 163 EPD-01230 [1] CNP 283 [1] CNP 044 CNP 103 EPD-01516 EPD-01230 [2] [1] EPD-01230 CNP 164 CNP 165 CNP 103 [1] [1] [1] CNP 003 [1] CNP 013 [2] CNP 103 [2] [2] [2] [2] [2] [2] [2] [2]	104 90 99 90 85 105 109 99 105 109 99 112 110 99 115 100 115 100 105 105 105 105 105 105	2 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1	100% 60% 60% 60% 30% 60% 100% 60% 60% 60% 60% 60% 60% 60% 60% 60%	-5 -15 -10 -5 -10 -15 -5 -5 -5 -15 -15 -15 -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	Movable Barrier Fabric Fabric Movable Barrier Enclosure Enclosure Enclosure Total SWL, dB (A) Movable Barrier Fabric Fabric Fabric Fabric Fabric Fabric Fabric Fabric Enclosure Movable Barrier Fabric Enclosure Movable Barrier Movable Barrier Movable Barrier Total SWL, dB (A) Movable Barrier Total SWL, dB (A)	97 92 78 95 78 95 102 80 104 97 97 92 103 104 97 97 81 96 91 106 91 106 91 106 97 81 81 83 95 1022 97 102 97 97 97 97 97 92 97 97 92 97 97 92 97 97 92 97 97 92 97 97 97 97 97 97 97 97 97 97 97 97 97
	Activity 1 - D Walling Crane, mobile Air compressor, air flow > 30m3/min Piling, diaphragm wall, hydraulic extractor Excavator, wheeled/tracked Grout Mixer Water pump, submersible (electric) Dump truck, 5.5 tonne < gross vehicle weight =< 38 tonne	CNP 003 CNP 163 EPD-01230 [1] CNP 283 [1] CNP 044 CNP 103 EPD-01516 EPD-01230 [2] [1] EPD-01230 CNP 166 CNP 166 CNP 166 CNP 166 CNP 103 [1] [1] CNP 021 [1] CNP 044 [2] EPD-01516 CNP 003 [1] EPD-01530 [1] [1] [1] [1] [2] [2] [2] [3] [3] [3] [3] [3] [3] [3] [3	104 90 99 90 85 105 109 95 105 109 95 112 110 109 99 112 115 100 105 105 105 105 105 105 105 105	2 1 2 1 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2	100% 60% 60% 60% 60% 30% 60% 60% 60% 60% 60% 60% 60% 60% 60% 6	-5 -15 -10 -10 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -15 -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	Movable Barrier Enclosure Fabric Movable Barrier Enclosure Enclosure Total SWL, dB (A) Movable Barrier Movable Barrier Movable Barrier Fabric Fabric Fabric Fabric Enclosure Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Total SWL, dB (A) Movable Barrier Total SWL, dB (A) Movable Barrier Enclosure Fabric	97 92 78 95 78 86 89 95 102 80 102 102 100 97 97 92 103 101 95 106 91 106 91 106 91 106 91 106 91 102 69 91 112
	Activity 1 - D Walling Crane, mobile Air compressor, air flow > 30m3/min Piling, diaphragm wall, hydraulic extractor Excavator, wheeled/tracked Grout Mixer Water pump, submersible (electric) Dump truck, 5.5 tonne < gross vehicle weight =< 38 tonne	CNP 003 CNP 163 EPD-01230 [1] CNP 283 [1] CNP 044 CNP 103 EPD-01516 EPD-01230 [2] [1] EPD-01230 CNP 165 CNP 165 CNP 165 CNP 165 CNP 103 [1] [1] CNP 021 CNP 103 [1] CNP 044 [2] EPD-01516 CNP 003 [1] CNP 044 [2] [2] [2] [2] [2] [2] [2] [2]	104 90 99 90 85 105 109 95 105 109 99 112 110 105 105 105 105 105 105	2 1 2 1 1 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2	100% 60% 60% 60% 30% 60% 100% 60% 60% 60% 60% 60% 60% 60% 60% 60%	-5 -15 -10 -5 -5 -5 -5 -5 -15 -15 -15 -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	Movable Barrier Enclosure Fabric Movable Barrier Enclosure Enclosure Movable Barrier Total SWL, dB (A) Movable Barrier Fabric Fabric Fabric Fabric Fabric Fabric Enclosure Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Enclosure Movable Barrier Movable Barrier Enclosure Movable Barrier Enclosure Fabric Enclosure Movable Barrier Movable Barrier Total SWL, dB (A)	97 92 78 95 102 80 104 97 97 92 103 104 97 97 92 103 101 95 5 106 91 97 81 83 95 102 69 112 109 69 112 100 881 83 98 83 98 84 83 95 95 97 84 97 97 97 97 97 97 97 97 97 97 97 97 97
	Activity 1 - D Walling Crane, mobile Air compressor, air flow > 30m3/min Piling, diaphragm wall, hydraulic extractor Excavator, wheeled/tracked Grout Mixer Water pump, submersible (electric) Dump truck, 5.5 tonne < gross vehicle weight =< 38 tonne	CNP 003 CNP 163 EPD-01230 [1] CNP 283 [1] CNP 283 [1] CNP 044 CNP 103 [2] [2] [1] EPD-01230 [2] [1] EPD-01230 [1] CNP 165 CNP 103 [1] [1] CNP 021 CNP 103 [1] CNP 044 [2] EPD-01516 CNP 003 [1] CNP 044 [2] [1] CNP 044 [2] [1] [1] [1] [1] [1] [1] [1] [1	104 90 99 90 85 105 109 95 105 109 95 112 110 109 99 115 100 105 105 105 105 105 105 105 105	2 1 2 1 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2	100% 60% 60% 60% 30% 60% 30% 60% 60% 60% 60% 60% 60% 60% 60% 60% 6	$\begin{array}{c} -5 \\ -15 \\ -10 \\ -5 \\ -10 \\ -15 \\ -5 \\ -5 \\ -5 \\ -5 \\ -5 \\ -15 \\ -15 \\ -10 \\ -15 \\ -5 \\ -5 \\ -5 \\ -10 \\ -5 \\ -5 \\ -5 \\ -5 \\ -5 \\ -5 \\ -5 \\ -$	Movable Barrier Enclosure Fabric Movable Barrier Enclosure Enclosure Total SWL, dB (A) Movable Barrier Movable Barrier Movable Barrier Fabric Fabric Fabric Fabric Fabric Enclosure Movable Barrier Movable Barrier Movable Barrier Movable Barrier Total SWL, dB (A) Movable Barrier Total SWL, dB (A) Movable Barrier Movable Barrier Total SWL, dB (A) Movable Barrier Fabric Enclosure Fabric Enclosure Fabric Enclosure Fabric Fabric Enclosure Fabric Enclosure Fabric Fabric Enclosure Fabric Fabric Enclosure Fabric Fabric Fabric Enclosure Fabric Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier	97 92 78 96 95 102 80 104 97 92 97 92 103 101 106 97 91 103 106 97 81 106 997 81 106 997 81 106 997 81 106 997 81 102 83 96 83 102 83 102 102 85 81 102 102 85 102 102 85 102 103 104 104 104 104 104 104 104 104 104 104
Zon	Activity 1 - D Walling Crane, mobile Air compressor, air flow > 30m3/min Piling, diaphragm wall, hydraulic extractor Excavator, wheeled/tracked Grout Mixer Water pump, submersible (electric) Dump truck, 5.5 tonne < gross vehicle weight =< 38 tonne	CNP 003 CNP 163 EPD-01230 [1] CNP 283 [1] CNP 283 [1] CNP 044 CNP 103 [2] [2] [1] EPD-01230 [2] [1] EPD-01230 [1] CNP 165 CNP 103 [1] [1] CNP 021 CNP 103 [1] CNP 044 [2] EPD-01516 CNP 003 [1] CNP 044 [2] [1] CNP 044 [2] [1] [1] [1] [1] [1] [1] [1] [1	104 90 99 90 85 105 109 95 105 109 95 112 110 109 99 115 100 105 105 105 105 105 105 105 105	2 1 2 1 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2	100% 60% 60% 60% 30% 60% 30% 60% 60% 60% 60% 60% 60% 60% 60% 60% 6	$\begin{array}{c} -5 \\ -15 \\ -10 \\ -5 \\ -10 \\ -15 \\ -5 \\ -5 \\ -5 \\ -5 \\ -5 \\ -15 \\ -15 \\ -10 \\ -15 \\ -5 \\ -5 \\ -5 \\ -10 \\ -5 \\ -5 \\ -5 \\ -5 \\ -5 \\ -5 \\ -5 \\ -$	Movable Barrier Enclosure Fabric Movable Barrier Enclosure Enclosure Movable Barrier Enclosure Total SWL, dB (A) Movable Barrier Fabric Fabric Fabric Fabric Fabric Fabric Fabric Enclosure Movable Barrier Movable Barrier Movable Barrier Enclosure Movable Barrier Total SWL, dB (A) Movable Barrier Movable Barrier Enclosure Movable Barrier Enclosure Movable Barrier Enclosure Movable Barrier Total SWL, dB (A) Movable Barrier Enclosure Fabric Movable Barrier Enclosure Fabric Movable Barrier Enclosure Fabric Movable Barrier Enclosure Fabric Movable Barrier Enclosure Fabric	97 92 78 95 102 80 104 97 97 92 103 104 97 97 92 103 101 95 5 106 91 97 81 83 95 102 69 112 109 69 112 100 881 83 98 83 98 84 83 95 95 97 84 97 97 97 97 97 97 97 97 97 97 97 97 97
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Zon	Activity 1 - D Walling Crane, mobile Air compressor, air flow > 30m3/min Piling, diaphragm wall, hydraulic extractor Excavator, wheeled/tracked Grout Mixer Water pump, submersible (electric) Dump truck, 5.5 tonne < gross vehicle weight =< 38 tonne	CNP 003 CNP 163 EPD-01230 [1] CNP 283 [1] CNP 044 CNP 103 EPD-01516 EPD-01230 [2] [1] EPD-01230 CNP 164 CNP 165 CNP 103 [1] CNP 011 CNP 011 [1] CNP 021 CNP 103 [1] CNP 044 [2] EPD-01516 CNP 003 [1] CNP 044 [2] [1] CNP 044 [2] [1] CNP 044 [2] [1] CNP 044 [2] [1] CNP 044 [2] [1] CNP 044 [2] [1] CNP 03 [1] CNP 044 [2] [1] CNP 044 [2] [1] CNP 044 [2] [1] CNP 044 [2] [1] CNP 03 [1] CNP 044 [2] [1] CNP 044 [2] [1] [1] [1] [1] [1] [1] [1] [1	104 90 99 90 105 105 109 95 95 105 109 99 112 110 109 99 115 100 105 109 105 109 105 109 90 90 95 105 109 90 95 105	2 1 2 1 1 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2	100% 60% 60% 60% 60% 30% 60% 60% 60% 60% 60% 60% 60% 60% 60% 6	-5 -15 -10 -10 -5 -5 -5 -5 -5 -5 -5 -5 -15 -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	Movable Barrier Enclosure Fabric Movable Barrier Enclosure Enclosure Total SWL, dB (A) Movable Barrier Movable Barrier Movable Barrier Movable Barrier Fabric Fabric Fabric Fabric Enclosure Movable Barrier Movable Barrier Movable Barrier Movable Barrier Total SWL, dB (A) Movable Barrier Movable Barrier Total SWL, dB (A) Movable Barrier Enclosure Fabric Enclosure Fabric Fabric Total SWL, dB (A)	97 92 78 95 102 80 104 97 97 92 103 101 95 91 106 97 91 106 97 81 106 97 81 106 97 81 106 99 112 100 95 81 102 89 81 102 80 95 81 102 103 81 107 100 95 81 102 100 95 81 102 100 95 81 102 100 95 81 102 102 81 102 103 104 104 104 104 104 104 104 104 104 104
Zon	Activity 1 - D Walling Crane, mobile Air compressor, air flow > 30m3/min Piling, diaphragm wall, hydraulic extractor Excavator, wheeled/tracked Grout Mixer Water pump, submersible (electric) Dump truck, 5.5 tonne < gross vehicle weight =< 38 tonne	CNP 003 CNP 163 EPD-01230 [1] CNP 283 [1] CNP 044 CNP 103 EPD-01516 EPD-01230 [2] [1] EPD-01230 CNP 164 CNP 165 CNP 165 CNP 103 [1] [1] CNP 003 [1] CNP 003 [1] CNP 003 [1] CNP 004 [2] EPD-01516 CNP 003 [1] CNP 044 [2] [1] CNP 044 [2] [1] CNP 044 [2] [1] CNP 044 [2] [1] CNP 044 [2] [1] CNP 044 [2] [1] CNP 044 [2] [1] CNP 044 [2] [1] [2] [2] [2] [2] [2] [2] [2] [2	104 90 99 90 85 105 105 109 95 105 100 110 110 100 115 104 90 95 105 109 78 101 104 90 95 105 105 105 105	2 1 2 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2	100% 60% 60% 60% 30% 60% 100% 60% 60% 60% 60% 60% 60% 60% 60% 60%	-5 -15 -10 -5 -5 -5 -5 -15 -5 -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	Movable Barrier Enclosure Fabric Movable Barrier Enclosure Enclosure Movable Barrier Enclosure Total SWL, dB (A) Movable Barrier Movable Barrier Fabric Fabric Fabric Fabric Enclosure Movable Barrier Enclosure Movable Barrier Enclosure Movable Barrier Enclosure Movable Barrier Total SWL, dB (A) Movable Barrier Enclosure Movable Barrier Enclosure Movable Barrier Enclosure Movable Barrier Enclosure Movable Barrier Enclosure Movable Barrier Enclosure Fabric Movable Barrier Enclosure Fabric Movable Barrier Enclosure Fabric Movable Barrier Enclosure Fabric Movable Barrier Total SWL, dB (A) Movable Barrier Total SWL, dB (A) Movable Barrier	97 92 78 95 78 95 78 80 102 80 104 97 97 92 103 101 96 91 106 91 97 81 96 81 81 83 95 102 69 91 112 88 11 98 83 107 98 83 107
Zon	Activity 1 - D Walling Crane, mobile Air compressor, air flow > 30m3/min Piling, diaphragm wall, hydraulic extractor Excavator, wheeled/tracked Grout Mixer Water pump, submersible (electric) Dump truck, 5.5 tonne < gross vehicle weight =< 38 tonne	CNP 003 CNP 163 EPD-01230 [1] CNP 283 [1] CNP 044 CNP 103 EPD-01516 EPD-01230 [2] [1] EPD-01230 CNP 164 CNP 166 CNP 165 CNP 165 CNP 103 [1] [1] CNP 021 CNP 103 [1] CNP 044 [2] EPD-01516 CNP 003 [1] CNP 044 [2] [1] CNP 044 [2] [1] [1] [1] [2] [2] [1] [2] [2] [2] [2] [2] [2] [2] [2	104 90 99 90 105 105 109 95 95 105 109 99 112 110 105 105 105 105 105 105 105 109 99 78 78 78 101 104 99 95 78 105 105 105 105 105 105 105 105 105 105	2 1 2 1 1 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2	100% 60% 60% 60% 60% 30% 60% 60% 60% 60% 60% 60% 60% 60% 60% 6	$\begin{array}{c} -5 \\ -15 \\ -10 \\ -5 \\ -5 \\ -5 \\ -5 \\ -5 \\ -5 \\ -5 \\ -$	Movable Barrier Enclosure Fabric Movable Barrier Enclosure Enclosure Movable Barrier Enclosure Total SWL, dB (A) Movable Barrier Movable Barrier Fabric Fabric Fabric Fabric Enclosure Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Total SWL, dB (A) Movable Barrier Enclosure Fabric Enclosure Fabric Enclosure Fabric Enclosure Movable Barrier Movable Barrier Movable Barrier Total SWL, dB (A) Movable Barrier Enclosure Fabric Total SWL, dB (A) Movable Barrier Movable Barrier	97 92 78 95 78 95 102 80 104 97 97 92 103 101 95 106 97 91 105 81 83 96 91 112 100 95 81 102 69 91 112 100 95 81 102 83 107 97 81 97 95 81 97 97 97 97 97 97 97 97 97 97 97 97 97
Zon	Activity 1 - D Walling Crane, mobile Air compressor, air flow > 30m3/min Piling, diaphragm wall, hydraulic extractor Excavator, wheeled/tracked Grout Nixer Water pump, submersible (electric) Dump truck, 5.5 tonne - cross vehicle weight =< 38 tonne	CNP 003 CNP 163 EPD-01230 [1] CNP 283 [1] CNP 044 CNP 103 EPD-01516 EPD-01230 [2] [1] EPD-01230 CNP 165 CNP 165 CNP 166 CNP 166 CNP 166 CNP 103 [1] [1] CNP 021 CNP 003 [1] CNP 044 [2] EPD-01516 EPD-01516 CNP 003 [1] CNP 044 [2] [1] CNP 044 [2] [1] CNP 283 [1] CNP 283 [1] CNP 103 [1] CNP 103 [1] [1] [1] [1] [1] [1] [1] [1]	104 90 99 90 85 105 105 95 95 105 100 99 112 100 100 105 100 90 90 95 109 90 95 109 78 101 104 90 90 95 105 105 105 105 105 95 95	2 1 2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2	100% 60% 60% 60% 60% 100% 60% 60% 60% 60% 60% 60% 60% 60% 60%	-5 -15 -10 -10 -5 -5 -5 -5 -5 -15 -15 -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	Movable Barrier Enclosure Fabric Movable Barrier Enclosure Enclosure Enclosure Total SWL, dB (A) Movable Barrier Movable Barrier Fabric Fabric Fabric Fabric Enclosure Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Total SWL, dB (A) Movable Barrier Enclosure Fabric Enclosure Movable Barrier Movable Barrier Movable Barrier Movable Barrier Enclosure Fabric Fabric Total SWL, dB (A) Movable Barrier Movable Barrier Movable Barrier Movable Barrier Enclosure Fabric Courde Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Enclosure Total SWL, dB (A)	97 92 78 95 78 95 78 80 102 80 104 97 97 92 103 101 96 91 106 91 97 81 96 81 81 83 95 102 69 91 112 88 11 98 83 107 98 83 107

		РМЕ	TM or other reference	SWL, dB(A)	No. of PME	% on time	Screening Effect, dB(A)	Noise Mitigation Measures	Total SWI dB(A)
		Activity 2 - Superstructure [3] Crane, tower (electric)	CNP 049	95	1	50%		Г Г	92
		Crane, mobile	EPD-01516	101	2	50%	-5	Movable Barrier	96
		Crane Lorry 5.5 tonne < gross vehicle weight =< 38 tonne Concrete pump, stationary/ lorry mounted	[1] CNP 047	105 109	2	50% 50%	-5 -10	Movable Barrier Movable Barrier	100 99
		Poker, vibratory, hand-held (electric)	[1]	103	5	50%	-10	Movable Barrier	96
		Bar bender and cutter (electric)	CNP 021	90	2	50%	-10	Movable Barrier	80
		Generator, super silenced, 70 dB(A) at 7 m Air compressor, air flow > 30m3/min	CNP 103 CNP 003	95 104	3	100% 100%	-15 -15	Enclosure Enclosure	85 89
		Concrete lorry mixer	CNP 044	109	2	50%	-5	Movable Barrier	104
		Drill/grinder, hand-held (electric)	CNP 065	98	5	30%	-10	Movable Barrier	90
									73
									94 99
		Hoist, passenger/ material (electric)	CNP 122	95	3	30%			95
									108
5 10	CC F	Footbridge			Maximum S	WL, dB (A)			109
Č		Group 1							
		Air compressor, air flow > 10m3/min and <= 30m3/min	CNP 002	102	1	100%	-15	Enclosure	87
									102 96
				-					96
		Bar bender and cutter (electric)	CNP 021	90	1	80%	-10	Movable Barrier	79
		Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	1	100%	-15	Enclosure	80
								Total SWL, dB (A)	104
		Group 2							
			CNP 026	114	2	30%	-10	Movable Barrier	102
		Breaker, hand-held, mass > 10kg and < 20kg	CNP 024	108	1	30%	-10	Movable Barrier	93
		Concrete lorry mixer	CNP 044	109	1	50%	-5	Movable Barrier	101
									92
					1			Movable Barrier Movable Barrier	88 97
		Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	1	100%	-15	Enclosure	80
								Total SWL, dB (A)	106
	Eact	Concrete Batching Plant (Operation)					N	aximum SWL, dB (A)	106
┙╞	≟aSĭ								
		Excavator, wheeled/tracked	EPD-01230	99	1	60%	-5	Movable Barrier	92
		Concrete mixer (electric)	CNP 045	96	1	60%	-10	Movable Barrier	84
									81
									89 105
			CNP 022	103	1	60%	-5	Novable Damei	105
		Air compressor, air flow > 10m3/min and <= 30m3/min	CNP 002	102	2	60%	-15	Enclosure	88
		Dump truck, 5.5 tonne < gross vehicle weight =< 38 tonne	[1]	105	1	30%	-5	Movable Barrier	95
								TOTAL SVVL, OB (A)	109
		Group 2							
Image: Description of the section of the sectin of the section of the section of the section of the sec	Movable Barrier	92							
									84
									81 89
								Movable Barrier	105
									106
									88
		Dump truck, 5.5 tonne < gross vehicle weight =< 38 tonne	[1]	105	1	30%	-5		95 109
							N	aximum SWL, dB (A)	109
7 E	Bargi								
									102
							-5	Movable Barrier	108 103
									92
				90	1	600/			92
		Conveyor belt	CNP 041					WOVADIE Damei	88
/0 0	Dior (CNP 041		Total S			Wovable Damer	
/9 P	Pier (Construction (Optional)	CNP 041		Total S				88
/9 <u>P</u>	Pier (Construction (Optional) Group 1	CNP 166			WL, dB (A)			88
/9 <u>P</u>	Pier (Construction (Optional) Group 1 Piling, large diameter bored, reverse circulation drill Crane, mobile/ barge mounted (diesel)	CNP 166 CNP 048	112	1	WL, dB (A) 100% 60%			88 110 90 105
/9 <u>F</u>	Pier (Construction (Optional) Group 1 Piling, large diameter bored, reverse circulation drill Crane, mobile/ barge mounted (diesel)	CNP 166 CNP 048	112	1	WL, dB (A) 100% 60%		Fabric Movable Barrier	88 110 90 105 108
9 <u>P</u>	Pier (Construction (Optional) Group 1 Piling, large diameter bored, reverse circulation drill Crane, mobile/ barge mounted (diesel)	CNP 166 CNP 048	112	1	WL, dB (A) 100% 60%		Fabric	88 110 90 105
9 <u>P</u>	Pier (Construction (Optional) Group 1 Piling, large diameter bored, reverse circulation drill Crane, mobile/ barge mounted (diesel) Tug boat Group 2	CNP 166 CNP 048 CNP 221	112 110	1 1 1	WL, dB (A)	-5	Fabric Movable Barrier Total SWL, dB (A)	88 110 90 105 108 110
9 <u>F</u>	Pier (Construction (Optional) Group 1 Piling, large diameter bored, reverse circulation drill Crane, mobile/ barge mounted (diesel) Tug boat Group 2 Concrete pump, stationary/ lorry mounted	CNP 166 CNP 048 CNP 221 CNP 047	112 110 109	1 1 1	WL, dB (A)	-5 -10	Fabric Movable Barrier Total SWL, dB (A) Movable Barrier	88 110 90 105 108 110 102
9 <u>P</u>	Pier	Construction (Optional) Group 1 Piling, large diameter bored, reverse circulation drill Crane, mobile/ barge mounted (diesel) Tug boat Group 2 Concrete pump, stationary/ lorry mounted Concrete lorry mixer	CNP 166 CNP 048 CNP 221 CNP 047 CNP 047	112 110 109 109	1 1 1 2 4	WL, dB (A)	-5 -10	Fabric Movable Barrier Total SWL, dB (A)	88 110 90 105 108 110 102 102
9 <u>P</u>	Pier (Construction (Optional) Group 1 Piling, large diameter bored, reverse circulation drill Crane, mobile/ barge mounted (diesel) Tug boat Group 2 Concrete pump, stationary/ lorry mounted Concrete lorry mixer Water pump (electric)	CNP 166 CNP 048 CNP 221 CNP 047 CNP 044 CNP 281	112 110 109 109 88	1 1 1 2 4 4	WL, dB (A) 100% 60% 60% 100%	-5 -10	Fabric Movable Barrier Total SWL, dB (A) Movable Barrier	88 110 90 105 108 110 102 108 94
9 <u>F</u>	Pier (Construction (Optional) Group 1 Piling, large diameter bored, reverse circulation drill Crane, mobile/ barge mounted (diesel) Tug boat Group 2 Concrete pump, stationary/ lorry mounted Concrete lorry mixer Water pump (electric) Generator, super silenced, 70 dB(A) at 7 m	CNP 166 CNP 048 CNP 221 CNP 047 CNP 047 CNP 044 CNP 281 CNP 103	112 110 109 109 88 95	1 1 1 2 4 4 2	WL, dB (A) 100% 60% 100% 100% 100%	-5 -10 -5	Fabric Movable Barrier Total SWL, dB (A) Movable Barrier Movable Barrier	88 110 90 105 108 110 102 102
9 <u>F</u>	Pier	Construction (Optional) Group 1 Piling, large diameter bored, reverse circulation drill Crane, mobile/ barge mounted (diesel) Tug boat Group 2 Concrete pump, stationary/ lorry mounted Concrete lorry mixer Water pump (electric) Generator, super silenced, 70 dB(A) at 7 m Air compressor, air flow > 10m3/min and <= 30m3/min Crane, mobile	CNP 166 CNP 048 CNP 221 CNP 047 CNP 044 CNP 281 CNP 103 CNP 102 EPD-01516	112 110 109 109 88 95 102 101	1 1 1 2 4 4 2 2 1	WL, dB (A) 100% 60% 100% 60% 100% 100% 60%	-5 -10 -5 -15	Fabric Movable Barrier Total SWL, dB (A) Movable Barrier Movable Barrier	88 110 90 105 108 110 102 108 94 98 90 94
9 <u>F</u>	Pier (Construction (Optional) Group 1 Piling, large diameter bored, reverse circulation drill Crane, mobile/ barge mounted (diesel) Tug boat Group 2 Concrete pump, stationary/ lorry mounted Concrete lorry mixer Water pump (electric) Generator, super silenced, 70 dB(A) at 7 m Air compressor, air flow > 10m3/min and <= 30m3/min Crane, mobile	CNP 166 CNP 048 CNP 221 CNP 047 CNP 044 CNP 281 CNP 103 CNP 103 CNP 002 EPD-01516	112 110 109 109 88 95 102 101	1 1 1 2 4 4 2 2 1	WL, dB (A) 100% 60% 100% 60% 100% 100% 60%	-5 -10 -5 -15	Fabric Movable Barrier Total SWL, dB (A) Movable Barrier Movable Barrier Enclosure Movable Barrier	88 110 90 105 108 110 102 108 94 98 90 94 94 108
9 <u>F</u>	Pier (Construction (Optional) Group 1 Piling, large diameter bored, reverse circulation drill Crane, mobile/ barge mounted (diesel) Tug boat Group 2 Concrete pump, stationary/ lorry mounted Concrete lorry mixer Water pump (electric) Generator, super silenced, 70 dB(A) at 7 m Air compressor, air flow > 10m3/min and <= 30m3/min Crane, mobile	CNP 166 CNP 048 CNP 221 CNP 047 CNP 044 CNP 281 CNP 103 CNP 103 CNP 002 EPD-01516	112 110 109 109 88 95 102 101	1 1 1 2 4 4 2 2 1	WL, dB (A) 100% 60% 100% 60% 100% 100% 60%	-5 -10 -5 -15	Fabric Movable Barrier Total SWL, dB (A) Movable Barrier Movable Barrier Enclosure	88 110 90 105 108 110 102 108 94 98 90 94
9 <u>F</u>	Pier (Construction (Optional) Group 1 Piling, large diameter bored, reverse circulation drill Crane, mobile/ barge mounted (diesel) Tug boat Group 2 Concrete pump, stationary/ lorry mounted Concrete lorry mixer Water pump (electric) Generator, super silenced, 70 dB(A) at 7 m Air compressor, air flow > 10m3/min and <= 30m3/min Crane, mobile Tug boat	CNP 166 CNP 048 CNP 221 CNP 047 CNP 044 CNP 281 CNP 103 CNP 103 CNP 002 EPD-01516	112 110 109 109 88 95 102 101	1 1 1 2 4 4 2 2 1	WL, dB (A) 100% 60% 100% 60% 100% 100% 60%	-5 -10 -5 -15	Fabric Movable Barrier Total SWL, dB (A) Movable Barrier Movable Barrier Enclosure Movable Barrier	88 110 90 105 108 110 102 108 94 98 90 94 94 108
9 <u>F</u>	Pier (Construction (Optional) Group 1 Piling, large diameter bored, reverse circulation drill Crane, mobile/ barge mounted (diesel) Tug boat Group 2 Concrete pump, stationary/ lorry mounted Concrete lorry mixer Water pump (electric) Generator, super silenced, 70 dB(A) at 7 m Air compressor, air flow > 10m3/min and <= 30m3/min Crane, mobile Tug boat Group 3 Crane, mobile	CNP 166 CNP 048 CNP 221 CNP 047 CNP 044 CNP 281 CNP 002 EPD-01516 CNP 022 EPD-01516	112 110 109 109 88 95 102 101 110 110	1 1 1 1 2 4 4 4 2 2 2 1 1 1 1	WL, dB (A) 100% 60% 60% 100% 100% 100% 60% 60% 60%	-5 -10 -5 -15 -5 -5 -5	Fabric Movable Barrier Total SWL, dB (A) Movable Barrier Movable Barrier Enclosure Movable Barrier Total SWL, dB (A) Movable Barrier	88 110 90 105 108 110 102 108 94 98 90 94 102 108 112 94
9 <u>F</u>	Pier (Construction (Optional) Group 1 Piling, large diameter bored, reverse circulation drill Crane, mobile/ barge mounted (diesel) Tug boat Group 2 Concrete pump, stationary/ lorry mounted Concrete lorry mixer Water pump (electric) Generator, super silenced, 70 dB(A) at 7 m Air compressor, air flow > 10m3/min and <= 30m3/min Grane, mobile Air compressor, air flow > 10m3/min and <= 30m3/min	CNP 166 CNP 048 CNP 048 CNP 221 CNP 047 CNP 044 CNP 281 CNP 103 CNP 002 EPD-01516 CNP 221 EPD-01516 CNP 002	112 110 109 109 88 95 102 101 110 110 101 102	1 1 1 1 2 4 4 2 2 2 1 1 1 1 2	WL, dB (A) 100% 60% 60% 60% 100% 100% 100% 60% 60% 60% 100%	-5 -10 -5 -15 -5 -5 -5	Fabric Movable Barrier Total SWL, dB (A) Movable Barrier Movable Barrier Enclosure Movable Barrier Total SWL, dB (A) Movable Barrier	88 110 90 105 108 110 108 94 98 90 94 108 112 94 90
9 <u>F</u>	Pier (Construction (Optional) Group 1 Piling, large diameter bored, reverse circulation drill Crane, mobile/ barge mounted (diesel) Tug boat Group 2 Concrete pump, stationary/ lorry mounted Concrete lorry mixer Water pump (electric) Generator, super silenced, 70 dB(A) at 7 m Air compressor, air flow > 10m3/min and <= 30m3/min Crane, mobile Tug boat Group 3 Crane, mobile Air compressor, air flow > 10m3/min and <= 30m3/min Generator, super silenced, 70 dB(A) at 7 m	CNP 166 CNP 048 CNP 221 CNP 047 CNP 044 CNP 044 CNP 103 CNP 103 CNP 002 EPD-01516 EPD-01516 CNP 002 CNP 103	112 110 109 109 88 95 102 101 110 110 101 102 95	1 1 1 2 4 4 2 2 2 1 1 1 1 1 2 2 2	WL, dB (A) 100% 60% 60% 100% 60% 100% 60% 60% 60% 100% 100% 100% 100% 100%	-5 -10 -5 -15 -5 -5 -15	Fabric Movable Barrier Total SWL, dB (A) Movable Barrier Movable Barrier Movable Barrier Total SWL, dB (A) Movable Barrier Enclosure	88 110 90 105 108 110 102 108 94 98 90 94 108 112 94 98 90 94 98 90 94 98 90 94 98 90 94 98 90 94 98 90 90 90 90 90 90 90 90 90 90
/9 <u>F</u>	Pier (Construction (Optional) Group 1 Piling, large diameter bored, reverse circulation drill Crane, mobile/ barge mounted (diesel) Tug boat Group 2 Concrete lorry mixer Water pump (electric) Generator, super silenced, 70 dB(A) at 7 m Air compressor, air flow > 10m3/min and <= 30m3/min Crane, mobile Tug boat Group 3 Crane, mobile Air compressor, air flow > 10m3/min and <= 30m3/min Generator, super silenced, 70 dB(A) at 7 m Cane, mobile Crane, mobile Crane, mobile Crane, mobile Crane, mobile Air compressor, air flow > 10m3/min and <= 30m3/min Generator, super silenced, 70 dB(A) at 7 m	CNP 166 CNP 048 CNP 221 CNP 221 CNP 044 CNP 044 CNP 103 CNP 103 CNP 002 EPD-01516 CNP 0221 EPD-01516 CNP 002 CNP 103 CNP 103	112 110 109 109 88 95 102 101 110 110 100 95 109	1 1 1 1 2 4 4 2 2 1 1 1 1 1 1 2 2 2 2	WL, dB (A) 100% 60% 60% 100% 100% 100% 60% 60% 60% 60% 100% 100% 100%	-5 -10 -5 -15 -5 -15 -10	Fabric Movable Barrier Total SWL, dB (A) Movable Barrier Movable Barrier Enclosure Movable Barrier Total SWL, dB (A) Movable Barrier Enclosure Movable Barrier	88 110 90 105 108 110 102 108 94 98 90 94 108 112 94 90 98 112 98 90 98 102
<u>9</u> <u>F</u>	Pier (Construction (Optional) Group 1 Piling, large diameter bored, reverse circulation drill Crane, mobile/barge mounted (diesel) Tug boat Group 2 Concrete pump, stationary/ lorry mounted Concrete lorry mixer Water pump (electric) Generator, super silenced, 70 dB(A) at 7 m Air compressor, air flow > 10m3/min and <= 30m3/min Crane, mobile Tug boat Group 3 Crane, mobile Air compressor, air flow > 10m3/min and <= 30m3/min Generator, super silenced, 70 dB(A) at 7 m Concrete pump, stationary/ lorry mounted Concrete pump, stationary/ lorry mounted	CNP 166 CNP 048 CNP 048 CNP 221 CNP 047 CNP 044 CNP 281 CNP 103 CNP 002 EPD-01516 CNP 0221 EPD-01516 CNP 002 CNP 103 CNP 047 CNP 044	112 110 109 109 88 95 102 101 110 101 102 95 109	1 1 1 1 2 4 4 2 2 2 1 1 1 1 1 2 2 2 2 2	WL, dB (A) 100% 60% 60% 60% 100% 100% 100% 60% 60% 100% 100% 60% 100% 60% 100% 60%	-5 -10 -5 -5 -5 -5 -5 -15 -10 -5	Fabric Movable Barrier Total SWL, dB (A) Movable Barrier Movable Barrier Movable Barrier Total SWL, dB (A) Movable Barrier Enclosure	88 110 90 105 108 110 102 108 94 98 90 94 108 112 94 98 90 94 98 90 94 98 90 94 98 90 94 98 90 94 98 90 90 90 90 90 90 90 90 90 90
9 <u>F</u>	Pier (Construction (Optional) Group 1 Piling, large diameter bored, reverse circulation drill Crane, mobile/ barge mounted (diesel) Tug boat Group 2 Concrete lorry mixer Water pump (electric) Generator, super silenced, 70 dB(A) at 7 m Air compressor, air flow > 10m3/min and <= 30m3/min Crane, mobile Tug boat Group 3 Crane, mobile Crane, mobile Crane, mobile Crane, mobile Generator, super silenced, 70 dB(A) at 7 m Air compressor, air flow > 10m3/min and <= 30m3/min Generator, super silenced, 70 dB(A) at 7 m Concrete pump, stationary/ lorry mounted Concrete lorry mixer Poker, vibratory, hand-held (electric)	CNP 166 CNP 048 CNP 221 CNP 047 CNP 044 CNP 044 CNP 103 CNP 002 EPD-01516 CNP 0221 EPD-01516 CNP 002 CNP 002 CNP 103 CNP 047 CNP 044 [1]	112 110 109 109 88 95 102 101 101 101 100 100 95 109 109 102	1 1 1 2 4 4 2 2 2 2 1 1 1 1 1 2 2 2 2 2	WL, dB (A) 100% 60% 60% 100% 60% 100% 100% 60% 60% 60% 100% 100% 80%	-5 -10 -5 -5 -5 -5 -5 -15 -10 -5	Fabric Movable Barrier Total SWL, dB (A) Movable Barrier Movable Barrier Total SWL, dB (A) Movable Barrier Total SWL, dB (A) Movable Barrier Enclosure Movable Barrier Movable Barrier Movable Barrier	88 110 90 105 108 110 102 108 94 98 90 94 108 112 94 90 94 108 112 108 108 94 108 94 108 109 94 108 108 108 109 108 108 108 108 108 108 108 108
9 <u>F</u>	Pier (Construction (Optional) Group 1 Piling, large diameter bored, reverse circulation drill Crane, mobile/ barge mounted (diesel) Tug boat Group 2 Concrete lorry mixer Water pump (electric) Generator, super silenced, 70 dB(A) at 7 m Air compressor, air flow > 10m3/min and <= 30m3/min Crane, mobile Tug boat Group 3 Crane, mobile Crane, mobile Crane, mobile Crane, mobile Generator, super silenced, 70 dB(A) at 7 m Air compressor, air flow > 10m3/min and <= 30m3/min Generator, super silenced, 70 dB(A) at 7 m Concrete pump, stationary/ lorry mounted Concrete lorry mixer Poker, vibratory, hand-held (electric)	CNP 166 CNP 048 CNP 221 CNP 047 CNP 044 CNP 044 CNP 103 CNP 002 EPD-01516 CNP 0221 EPD-01516 CNP 002 CNP 002 CNP 103 CNP 047 CNP 044 [1]	112 110 109 109 88 95 102 101 101 101 100 100 95 109 109 102	1 1 1 2 4 4 2 2 2 2 1 1 1 1 1 2 2 2 2 2	WL, dB (A) 100% 60% 60% 100% 60% 100% 100% 60% 60% 60% 100% 100% 80%	-5 -10 -5 -15 -5 -15 -15 -10 -5 -10	Fabric Movable Barrier Total SWL, dB (A) Movable Barrier Movable Barrier Total SWL, dB (A) Movable Barrier Total SWL, dB (A) Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier	88 110 90 105 108 110 102 108 94 98 90 94 108 112 94 90 94 108 112 94 90 94 102 108 94 108 110 108 110 108 108 108 108
		Construction (Optional) Group 1 Piling, large diameter bored, reverse circulation drill Crane, mobile/ barge mounted (diesel) Tug boat Group 2 Concrete lorry mixer Water pump (electric) Generator, super silenced, 70 dB(A) at 7 m Air compressor, air flow > 10m3/min and <= 30m3/min Crane, mobile Tug boat Group 3 Crane, mobile Air compressor, air flow > 10m3/min and <= 30m3/min Generator, super silenced, 70 dB(A) at 7 m Concrete pump, stationary/ lorry mounted Concrete lorry mixer Poker, vibratory, hand-held (electric) Tug boat	CNP 166 CNP 048 CNP 221 CNP 047 CNP 044 CNP 044 CNP 103 CNP 002 EPD-01516 CNP 0221 EPD-01516 CNP 002 CNP 002 CNP 103 CNP 047 CNP 044 [1]	112 110 109 109 88 95 102 101 101 101 100 100 95 109 109 102	1 1 1 2 4 4 2 2 2 2 1 1 1 1 1 2 2 2 2 2	WL, dB (A) 100% 60% 60% 100% 60% 100% 100% 60% 60% 60% 100% 100% 80%	-5 -10 -5 -15 -5 -15 -15 -10 -5 -10	Fabric Movable Barrier Total SWL, dB (A) Movable Barrier Movable Barrier Total SWL, dB (A) Movable Barrier Total SWL, dB (A) Movable Barrier Enclosure Movable Barrier Movable Barrier Movable Barrier	88 110 90 105 108 110 102 108 94 98 90 94 108 112 108 94 90 94 102 105 91 108 94 90 94 90 90 91 90 91 92 105 93 90 94 90 94 90 94 90 94 95 90 90 90 90 90 90 90 90 90 90
		Construction (Optional) Group 1 Piling, large diameter bored, reverse circulation drill Crane, mobile/ barge mounted (diesel) Tug boat Group 2 Concrete lorry mixer Water pump (electric) Generator, super silenced, 70 dB(A) at 7 m Air compressor, air flow > 10m3/min and <= 30m3/min Crane, mobile Tug boat Group 3 Crane, mobile Air compressor, air flow > 10m3/min and <= 30m3/min Generator, super silenced, 70 dB(A) at 7 m Crane, mobile Air compressor, air flow > 10m3/min and <= 30m3/min Generator, super silenced, 70 dB(A) at 7 m Concrete pump, stationary/ lorry mounted Concrete lorry mixer Poker, vibratory, hand-held (electric) Tug boat Ing Platform (Optional)	CNP 166 CNP 048 CNP 221 CNP 047 CNP 044 CNP 044 CNP 103 CNP 002 EPD-01516 CNP 0221 EPD-01516 CNP 002 CNP 002 CNP 103 CNP 047 CNP 044 [1]	112 110 109 109 88 95 102 101 101 101 100 100 95 109 109 102	1 1 1 2 4 4 2 2 2 2 1 1 1 1 1 2 2 2 2 2	WL, dB (A) 100% 60% 60% 100% 60% 100% 100% 60% 60% 60% 100% 100% 80%	-5 -10 -5 -15 -5 -15 -15 -10 -5 -10	Fabric Movable Barrier Total SWL, dB (A) Movable Barrier Movable Barrier Total SWL, dB (A) Movable Barrier Total SWL, dB (A) Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier	88 110 90 105 108 110 102 108 94 98 90 94 108 112 94 90 94 108 112 94 90 94 102 108 94 108 110 108 110 108 108 108 108
		Construction (Optional) Group 1 Piling, large diameter bored, reverse circulation drill Crane, mobile/ barge mounted (diesel) Tug boat Group 2 Concrete pump, stationary/ lorry mounted Concrete lorry mixer Water pump (electric) Generator, super silenced, 70 dB(A) at 7 m Air compressor, air flow > 10m3/min and <= 30m3/min Crane, mobile Tug boat Group 3 Cranete pump, stationary/ lorry mounted Concrete pump, stationary lorry mounted Concrete	CNP 166 CNP 048 CNP 221 CNP 047 CNP 047 CNP 044 CNP 281 CNP 103 CNP 002 EPD-01516 CNP 0221 EPD-01516 CNP 002 CNP 103 CNP 047 CNP 044 [1] CNP 221	112 110 109 109 88 95 102 101 101 110 110 102 95 109 102 110	1 1 1 2 4 4 2 2 2 1 1 1 1 1 2 2 2 2 2 2	WL, dB (A) 100% 60% 60% 100% 100% 100% 100% 60% 60% 100% 100% 100% 60% 60% 80% 60%	-5 -10 -5 -15 -5 -15 -15 -10 -5 -10 -5 -10 -5 -10 N	Fabric Movable Barrier Total SWL, dB (A) Movable Barrier Movable Barrier Total SWL, dB (A) Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Total SWL, dB (A) aximum SWL, dB (A)	88 110 90 105 108 110 102 108 94 98 90 94 108 112 94 99 94 108 112 94 90 94 102 108 94 108 110 108 110 108 108 108 108
		Construction (Optional) Group 1 Piling, large diameter bored, reverse circulation drill Crane, mobile/barge mounted (diesel) Tug boat Group 2 Concrete pump, stationary/ lorry mounted Concrete lorry mixer Water pump (electric) Generator, super silenced, 70 dB(A) at 7 m Air compressor, air flow > 10m3/min and <= 30m3/min Crane, mobile Tug boat Group 3 Crane, mobile Air compressor, air flow > 10m3/min and <= 30m3/min Generator, super silenced, 70 dB(A) at 7 m Concrete pump, stationary/ lorry mounted Concrete pump, stationary/ lorry mounted Concrete pump, stationary/ lory mounted Pointeg, large diameter bored, reverse circulation drill Crane, mobile	CNP 166 CNP 048 CNP 221 CNP 047 CNP 044 CNP 281 CNP 103 CNP 102 EPD-01516 CNP 002 CNP 103 CNP 103 CNP 103 CNP 044 [1] CNP 044 [1] CNP 221	112 110 109 109 88 95 102 101 110 101 102 95 109 109 102 110 109 102 109 109 102 109 109 102 101 110 101 102 109 109 109 109 109 109 109 109	1 1 1 1 2 4 4 4 2 2 1 1 1 1 2 2 2 2 2 4 4 1 1 1 1	WL, dB (A) 100% 60% 60% 100% 60% 100% 60% 60% 60% 60% 60% 100% 80% 60% 100% 80%	-5 -10 -5 -5 -5 -5 -15 -15 -10 -5 -10 -10 -10	Fabric Movable Barrier Total SWL, dB (A) Movable Barrier Movable Barrier Total SWL, dB (A) Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Total SWL, dB (A) aximum SWL, dB (A)	88 110 90 105 108 110 102 108 90 94 108 90 94 108 112 94 90 98 924 108 112 94 90 98 112 98 90 94 90 95 90 90 90 90 90 90 90 90 90 90
		Construction (Optional) Group 1 Piling, large diameter bored, reverse circulation drill Crane, mobile/barge mounted (diesel) Tug boat Group 2 Concrete pump, stationary/ lorry mounted Concrete lorry mixer Water pump (electric) Generator, super silenced, 70 dB(A) at 7 m Air compressor, air flow > 10m3/min and <= 30m3/min Crane, mobile Tug boat Group 3 Crane, mobile Air compressor, air flow > 10m3/min and <= 30m3/min Generator, super silenced, 70 dB(A) at 7 m Concrete pump, stationary/ lorry mounted Concrete pump, stationary/ lorry mounted Concrete pump, stationary/ lory mounted Pointeg, large diameter bored, reverse circulation drill Crane, mobile	CNP 166 CNP 048 CNP 221 CNP 047 CNP 044 CNP 281 CNP 103 CNP 102 EPD-01516 CNP 002 CNP 103 CNP 103 CNP 103 CNP 044 [1] CNP 044 [1] CNP 221	112 110 109 109 88 95 102 101 110 101 102 95 109 109 102 110 109 102 109 109 102 109 109 102 101 110 101 102 109 109 109 109 109 109 109 109	1 1 1 1 2 4 4 2 2 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2	WL, dB (A) 100% 60% 60% 100% 60% 100% 60% 60% 100% 60% 100% 100% 60% 100% 80% 60%	-5 -10 -5 -5 -5 -5 -15 -15 -10 -5 -10 -10 -10	Fabric Movable Barrier Total SWL, dB (A) Movable Barrier Movable Barrier Total SWL, dB (A) Movable Barrier Total SWL, dB (A) Movable Barrier Movable Barrier Movable Barrier Total SWL, dB (A) Movable Barrier Movable Barrier	88 110 90 105 108 110 102 108 94 98 90 94 98 90 94 108 112 94 98 102 105 97 108 112 98 90 98 102 108 94 98 90 94 90 95 108 108 108 108 108 108 108 108
		Construction (Optional) Group 1 Piling, large diameter bored, reverse circulation drill Crane, mobile/barge mounted (diesel) Tug boat Group 2 Concrete pump, stationary/ lorry mounted Concrete lorry mixer Water pump (electric) Generator, super silenced, 70 dB(A) at 7 m Air compressor, air flow > 10m3/min and <= 30m3/min Crane, mobile Tug boat Group 3 Crane, mobile Air compressor, air flow > 10m3/min and <= 30m3/min Generator, super silenced, 70 dB(A) at 7 m Concrete pump, stationary/ lorry mounted Concrete pump, stationary/ lorry mounted Concrete pump, stationary/ lory mounted Pointeg, large diameter bored, reverse circulation drill Crane, mobile	CNP 166 CNP 048 CNP 221 CNP 047 CNP 044 CNP 281 CNP 103 CNP 102 EPD-01516 CNP 002 CNP 103 CNP 103 CNP 103 CNP 044 [1] CNP 044 [1] CNP 221	112 110 109 109 88 95 102 101 110 101 102 95 109 109 102 110 100 100 101	1 1 1 1 2 4 4 2 2 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2	WL, dB (A) 100% 60% 60% 100% 60% 100% 60% 60% 100% 60% 100% 100% 60% 100% 80% 60%	-5 -10 -5 -5 -5 -5 -15 -15 -10 -5 -10 -10 -10	Fabric Movable Barrier Total SWL, dB (A) Movable Barrier Movable Barrier Total SWL, dB (A) Movable Barrier Total SWL, dB (A) Movable Barrier Movable Barrier Movable Barrier Total SWL, dB (A) Movable Barrier Movable Barrier	88 110 90 105 108 110 102 108 90 94 108 90 94 108 112 94 90 98 924 108 112 94 90 98 112 98 90 94 90 95 90 90 90 90 90 90 90 90 90 90
		Construction (Optional) Group 1 Piling, large diameter bored, reverse circulation drill Crane, mobile/ barge mounted (diesel) Tug boat Group 2 Concrete pump, stationary/ lorry mounted Concrete lorry mixer Water pump (electric) Generator, super silenced, 70 dB(A) at 7 m Air compressor, air flow > 10m3/min and <= 30m3/min Crane, mobile Air compressor, air flow > 10m3/min and <= 30m3/min Generator, super silenced, 70 dB(A) at 7 m Concrete pump, stationary/ lorry mounted Concrete pump, stationary lorry mounted Concrete pump, stationary lorry mounted Concrete pump, stationary lorry mounted Concrete	CNP 166 CNP 048 CNP 221 CNP 047 CNP 044 CNP 281 CNP 103 CNP 102 EPD-01516 CNP 002 CNP 103 CNP 103 CNP 103 CNP 044 [1] CNP 044 [1] CNP 221	112 110 109 109 88 95 102 101 110 101 102 95 109 109 102 110 100 100 101	1 1 1 1 2 4 4 2 2 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2	WL, dB (A) 100% 60% 60% 100% 60% 100% 60% 60% 100% 60% 100% 100% 60% 100% 80% 60%	-5 -10 -5 -5 -5 -5 -15 -15 -10 -5 -10 -10 -10	Fabric Movable Barrier Total SWL, dB (A) Movable Barrier Movable Barrier Total SWL, dB (A) Movable Barrier Total SWL, dB (A) Movable Barrier Movable Barrier Movable Barrier Total SWL, dB (A) Movable Barrier Movable Barrier	88 110 90 105 108 110 102 108 94 98 90 94 108 112 94 90 98 102 105 97 108 112 98 102 108 112 94 90 95 108 109 95 108 108 108 108 108 108 108 108
		Construction (Optional) Group 1 Piling, large diameter bored, reverse circulation drill Crane, mobile/ barge mounted (diesel) Tug boat Group 2 Concrete lorry mixer Water pump (electric) Generator, super silenced, 70 dB(A) at 7 m Air compressor, air flow > 10m3/min and <= 30m3/min Crane, mobile Tug boat Group 3 Crane, mobile Air compressor, air flow > 10m3/min and <= 30m3/min Generator, super silenced, 70 dB(A) at 7 m Concrete pump, stationary/ lorry mounted Concrete pump, stationary l	CNP 166 CNP 048 CNP 221 CNP 221 CNP 047 CNP 044 CNP 281 CNP 103 CNP 002 EPD-01516 CNP 022 CNP 103 CNP 047 CNP 047 CNP 047 CNP 047 CNP 044 [1] CNP 221	112 110 109 109 88 95 102 101 101 100 100 102 110 100 101 110	1 1 1 1 1 2 4 4 4 2 2 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2	WL, dB (A) 100% 60% 60% 100% 60% 100% 60% 60% 100% 100% 60% 100% 100% 80% 60% 100% 80% 60% WL, dB (A)	-5 -10 -5 -5 -5 -5 -15 -15 -10 -5 -10 -10 -10	Fabric Movable Barrier Total SWL, dB (A) Movable Barrier Movable Barrier Total SWL, dB (A) Movable Barrier Total SWL, dB (A) Movable Barrier Movable Barrier Movable Barrier Movable Barrier Total SWL, dB (A) aximum SWL, dB (A) Fabric Movable Barrier	88 110 90 105 108 110 102 108 94 98 90 94 90 94 105 112 94 90 98 102 105 97 108 112 94 90 95 108 110 95 108 108 108 108 108 108 108 108

 Maximum SWL, dB (A)
 108

 Note: [1] Details extracted from EPD website: http://www.epd.gov.hk/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf
 [2] SWL of Welding Plant and Piling Rig are referred to the Appendix 5.1 of approved EIA Report of Hong Kong Section of Guangzhou - Shenzhen - Hong Kong Express Rail Link (AEIAR-143/2009)

 [3] Activities Park Construction and Superstructure in Zone A are at same period but will not be carried out simultaneously.

Construction Programme with Predicted	Total SWL,	Distance	Distance	Facade	Calculated			2013				2014		l i		
Noise Level (dB, (A))	dB (A)	(m)	Correction, dB (A)	Correction, dB(A)	SPL, dB(A)	8	9	10	11	12	1	2	3	i		
1) Zone 1														ł		
Activity 1 - D Walling	102	476	-62	3	43			43	43	43	43			ł		
Activity 2 - Bored Piling	108	476	-62	3	49						49	49	49	ł		
2) Zone 2														l l		
Activity 1 - D Walling														ł		
Zone 2.1	104	79	-46	3	61						61	61	61	ł		
Zone 2.2	104	79	-46	3	61						61	61	61	ł		
Zone 2.3	104	203	-54	3	53						53	53	53	ł		
Zone 2.4	104	277	-57	3	51						51	51	51	ł		
Activity 2 - Bored Piling				•										ł		
Zone 2.1	112	79	-46	3	69								69	ł		
Zone 2.2	112	79	-46	3	69								69	ł		
Zone 2.3	112	203	-54	3	60								60	ł		
Zone 2.4	112	277	-57	3	58								58	ł		
3) Zone 3	•													ł		
Activity 1 - D Walling	107	272	-57	3	54								54	ł		
4) Park Construction - Zone A	109	576	-63	3	49			49	49	49	49	49	49	ł		
5) ICC Footbridge	106	211	-54	3	54			54	54	54	54	54	54	l l		
6) East Concrete Batching Plant (Operation)	109	461	-61	3	50						50	50	50	ł		
7) Barging Point (BP)														ł		
3P4	110	307	-58	3	55			55	55	55	55	55	55	ł		
3P5	110	327	-58	3	54			54	54	54	54	54	54	ł		
3P6	110	506	-62	3	51			51	51	51	51	51	51	ł		
3P7	110	616	-64	3	49			49	49	49	49	49	49	l l		
8) West Pier (Optional)	112	846	-67	3	48			48	48	48	48	48	48			
9) South Pier (Optional)	112	347	-59	3	56			56	56	56	56	56	56	201	13	20
10) Viewing Platform (Optional)	108	342	-59	3	52			52	52	52	52	52	52	Min	Max	Min
			Predicted No	ise Level of this Pr	oject, dB (A)			63	63	63	67	67	73	63	63	67
			Predicted Noise Le	vel of Express Rail	Link, dB(A) ¹			70	66	62	70	65	62			
		Predicted N	loise Level of Road	Works at West Kow	loon. dB(A) ²			70	70	70	70	70	70	201	13	2

 Overall Cumulative Noise Level, dB(A)
 73
 72
 71
 74
 73
 75
 71
 73
 73
 75

Note: Bold figure in shaded box denotes exceedance of relevant construction noise criteria

1) Predicted Noise Levels are referred to NSR WK9 in Appendix 5.8 of approved EIA of Express Rail Link (AEIAR-143/2009). Delaying of 6 months of WKT construction programme in VEP have been included in predicted noise level.

2) Predicted Noise Levels are referred to NSR Arch4 in Appendix 3.13 of approved EIA of Road Works at West Kowloon (AEIAR-141/2009) for conservative approach.

3) Since the NSR is located out of the 300m assessment area of the construction works of "Proposed Road Improvement Works in West Kowloon Reclamation" project, the cummulative noise impact is not taken into account at this NSP.

a) impact is predicted to be low and has insignificant contribution to the NSR, therefore, cumulative noise impact is not taken into account at this NSR.
 4) Distances between NSR and the activities are different in same zone since worst case scenario of their notional point have been adopted.

Mitigated Construction Noise Impact

Construction Programme with Predicted	Total SWL,	Distance	Distance	Facade	Calculated			2013				2014		1		
Noise Level (dB, (A))	dB (A)	(m)	Correction, dB (A)	Correction, dB(A)	SPL, dB(A)	8	9	10	11	12	1	2	3	Í		
1) Zone 1																
Activity 1 - D Walling	102	571	-63	3	42			42	42	42	42					
Activity 2 - Bored Piling	108	571	-63	3	48						48	48	48			
2) Zone 2			•													
Activity 1 - D Walling																
Zone 2.1	104	92	-47	3	60						60	60	60			
Zone 2.2	104	130	-50	3	57						57	57	57			
Zone 2.3	104	292	-57	3	50						50	50	50			
Zone 2.4	104	238	-56	3	52						52	52	52	1		
Activity 2 - Bored Piling								-								
Zone 2.1	112	92	-47	3	67								67			
Zone 2.2	112	130	-50	3	64								64			
Zone 2.3	112	292	-57	3	57								57			
Zone 2.4	112	238	-56	3	59								59			
3) Zone 3								-				-				
Activity 1 - D Walling	107	189	-54	3	57								57			
4) Park Construction - Zone A	109	525	-62	3	50			50	50	50	50	50	50			
5) ICC Footbridge	106	125	-50	3	59			59	59	59	59	59	59			
6) East Concrete Batching Plant (Operation)	109	554	-63	3	49						49	49	49			
7) Barging Point (BP)																
BP4	110	302	-58	3	55			55	55	55	55	55	55			
BP5	110	312	-58	3	55			55	55	55	55	55	55			
BP6	110	461	-61	3	52			52	52	52	52	52	52			
BP7	110	576	-63	3	50			50	50	50	50	50	50			
8) West Pier (Optional)	112	756	-66	3	49			49	49	49	49	49	49			
9) South Pier (Optional)	112	327	-58	3	56			56	56	56	56	56	56	201	13	2
10) Viewing Platform (Optional)	108	412	-60	3	51			51	51	51	51	51	51	Min	Max	Min
				ise Level of this Pr				64	64	64	66	66	72	64	64	66
			Predicted Noise Le	vel of Express Rail	Link, dB(A) ¹			65	65	63	65	63	63			
	F	Predicted N	loise Level of Road	Works at West Kow	loon, dB(A) ²		1	68	68	68	68	68	68	201	13	2

Overall Cumulative Noise Level, dB(A) 71 71 70 71 71 74 70 71 71 74

Note: Bold figure in shaded box denotes exceedance of relevant construction noise criteria

1) Predicted Noise Levels are referred to NSR WK10 in Appendix 5.8 of approved EIA of Express Rail Link (AEIAR-143/2009). Delaying of 6 months of WKT construction programme in VEP have been included in predicted noise level.

2) Predicted Noise Levels are referred to NSR HARB2 in Appendix 3.13 of approved EIA of Road Works at West Kowloon (AEIAR-141/2009) for conservative approach.

3) Since the NSR is located out of the 300m assessment area of the construction works of "Proposed Road Improvement Works in West Kowloon Reclamation" project, the cummulative noise impact is not taken into account at this NSP.

a) impact is predicted to be low and has insignificant contribution to the NSR, therefore, cumulative noise impact is not taken into account at this NSR.
 4) Distances between NSR and the activities are different in same zone since worst case scenario of their notional point have been adopted.

Construction Programme with Predicted	Total SWL,	Distance	Distance	Facade	Calculated			2013				2014		1		
loise Level (dB, (A))	dB (A)	(m)	Correction, dB (A)	Correction, dB(A)	SPL, dB(A)	8	9	10	11	12	1	2	3	1		
I) Zone 1				, , ,	. , , , ,									1		
Activity 1 - D Walling	102	392	-60	3	45			45	45	45	45			1		
Activity 2 - Bored Piling	108	392	-60	3	51						51	51	51	1		
2) Zone 2														1		
Activity 1 - D Walling														1		
Zone 2.1	104	130	-50	3	57						57	57	57	1		
Zone 2.2	104	72	-45	3	62						62	62	62	1		
Zone 2.3	104	169	-53	3	55						55	55	55	1		
Zone 2.4	104	302	-58	3	50						50	50	50	1		
Activity 2 - Bored Piling	-				•		•							1		
Zone 2.1	112	130	-50	3	64								64	1		
Zone 2.2	112	72	-45	3	69								69	1		
Zone 2.3	112	169	-53	3	62								62	1		
Zone 2.4	112	302	-58	3	57								57	1		
3) Zone 3							-							1		
Activity 1 - D Walling	107	362	-59	3	51								51	1		
Park Construction - Zone A	109	651	-64	3	48			48	48	48	48	48	48	1		
5) ICC Footbridge	106	299	-58	3	51			51	51	51	51	51	51	1		
) East Concrete Batching Plant (Operation)	109	377	-60	3	52						52	52	52	1		
7) Barging Point (BP)														1		
3P4	110	357	-59	3	54			54	54	54	54	54	54	1		
3P5	110	387	-60	3	53			53	53	53	53	53	53	1		
3P6	110	576	-63	3	50			50	50	50	50	50	50	1		
3P7	110	691	-65	3	48			48	48	48	48	48	48	1		
3) West Pier (Optional)	112	936	-67	3	47			47	47	47	47	47	47	L		
)) South Pier (Optional)	112	397	-60	3	55			55	55	55	55	55	55	201	-	2
0) Viewing Platform (Optional)	108	297	-57	3	54			54	54	54	54	54	54	Min	Max	Mir
			Predicted No	ise Level of this Pr	oject, dB (A)			61	61	61	66	66	73	61	61	66
			Predicted Noise Le	vel of Express Rail	Link, dB(A) ¹			74	73	69	74	71	69			
		Predicted N	loise Level of Road	Works at West Kow	/loon, dB(A) ²			69	69	69	69	69	69	201	13	2
													1 1	Min	Max	Mir

 Overall Cumulative Noise Level, dB(A)
 75
 75
 72
 76
 74
 75
 74
 76

Note: Bold figure in shaded box denotes exceedance of relevant construction noise criteria

1) Predicted Noise Levels are referred to NSR WK14 in Appendix 5.8 of approved EIA of Express Rail Link (AEIAR-143/2009). Delaying of 6 months of WKT construction programme in VEP have been included in predicted noise level.

2) Predicted Noise Levels are referred to NSR Arch2b in Appendix 3.13 of approved EIA of Road Works at West Kowloon (AEIAR-141/2009) for conservative approach.

3) Since the NSR is located out of the 300m assessment area of the construction works of "Proposed Road Improvement Works in West Kowloon Reclamation" project, the cummulative noise impact is not taken into account at this NSP.

a) impact is predicted to be low and has insignificant contribution to the NSR, therefore, cumulative noise impact is not taken into account at this NSR.
 4) Distances between NSR and the activities are different in same zone since worst case scenario of their notional point have been adopted.

Mitigated Construction Noise Impact

NSR: WOB (Wai On Building)

h, dB(A) SPL, dB(A) 57 63 43) 8	9				1 57	2	3			
63			57	57		57					
63			57	57		57					
43											
-						63	63	63			
-											
-											
						43	43	43			
46						46	46	46			
42						42	42	42			
45						45	45	45			
50								50			
53								53			
49								49			
53								53			
43								43			
43			43	43	43	43	43	43			
42			42	42	42	42	42	42			
57						57	57	57			
47			47	47	47	47	47	47			
46			46	46	46	46	46	46			
44			44	44	44	44	44	44			
43			43	43	43	43	43	43			
43			43	43	43	43	43	43			
48			48	48	48	48	48	48	2013		201
49			49	49	49	49	49	49	Min M	ax I	Vin
f this Project, dB (A)		60	60	60	66	65	66	60 6	0	65
ess Rail Link, dB(A)	1		66	63	60	66	58	56			
est Kowloon, dB(A)	2		64	64	64	64	64	64	2013		20
	3						46	63	Min M	ax I	Min
V	57 47 46 44 43 43 48 49 9 9 9 0 ft his Project, dB (A ress Rail Link, dB(A) Vest Kowloon, dB(A)	57 47 46 44 43 43 43 43 43 48 49 of this Project, dB (A) ress Rail Link, dB(A) ¹ Vest Kowloon, dB(A) ²	57 47 46 44 43 43 43 48 49 of this Project, dB (A) ress Rail Link, dB(A) ¹ Vest Kowloon, dB(A) ²	57 47 46 46 44 44 43 43 43 43 48 48 49 60 fthis Project, dB (A) 60 ress Rail Link, dB(A) ¹ 66 Vest Kowloon, dB(A) ² 64	57 47 47 46 46 46 46 44 44 44 44 43 43 43 43 43 43 43 43 48 48 48 48 49 49 49 60 60 ftis Project, dB (A) 66 63 64 64 Vest Kowloon, dB(A) ² 64 64 64 64	57 47 47 47 46 46 46 46 44 44 44 44 43 43 43 43 43 43 43 43 48 48 48 48 49 49 49 49 of this Project, dB (A) 60 60 60 ress Rail Link, dB(A) ¹ 66 63 60 Vest Kowloon, dB(A) ² 64 64 64	57 57 47 47 47 47 47 46 46 46 46 46 44 44 44 44 44 43 43 43 43 43 43 43 43 43 43 43 43 43 48 48 48 48 48 48 48 48 49 9 49 49 49 49 49 49 of this Project, dB (A) 60 60 60 66 63 60 66 vest Kowloon, dB(A) ² 64 64 64 64 64 64	57 57 57 67 47 47 47 47 47 47 46 46 46 46 46 46 46 44 44 44 44 44 44 44 44 43 43 43 43 43 43 43 43 43 43 43 43 43 43 43 43 48 48 48 48 48 48 49 60 60 66 65 66 65 66 65 66 66	57 57 57 57 47 47 47 47 47 47 47 47 46 46 46 46 46 46 46 46 46 46 44 <td>57 57<</td> <td>57 47 47 47 47 47 47 57 57 46 46 46 46 46 46 46 46 46 46 46 46 46 46 46 46 46 44 <t< td=""></t<></td>	57 57<	57 47 47 47 47 47 47 57 57 46 46 46 46 46 46 46 46 46 46 46 46 46 46 46 46 46 44 <t< td=""></t<>

Predicted Noise Level of Road Improvement Works in West Kowloon R Overall Cumulative Noise Level, dB(A) 69 67 66 70 68 69 66 69 68

Note: Bold figure in shaded box denotes exceedance of relevant construction noise criteria
1) Predicted Noise Levels are referred to NSR WK5 in Appendix G of Environmental Review for Proposed West Kowllon Terminus Concrete Batching Facility.

2) Predicted Noise Levels are referred to NSR WN in Appendix 3.13 of approved EIA of Road Works at West Kowloon (AEIAR-141/2009).

3) Predicted Noise Levels are referred to NSR WOB in Appendix 2.4 of Preliminary Environmental Review Report - Scheme Q of Proposed Road Improvement Works in West Kowloon Reclamation for conservative approach. Delaying of 6 months of construction programme based on latest information have been included in predicted noise level.

4) Distances between NSR and the activities are different in same zone since worst case scenario of their notional point have been adopted.

Construction Programme with Predicted	Total SWL,	Distance	Distance	Facade	Calculated			2013				2014				
Noise Level (dB, (A))	dB (A)	(m)	Correction, dB (A)	Correction, dB(A)	SPL, dB(A)	8	9	10	11	12	1	2	3			
1) Zone 1																
Activity 1 - D Walling	102	70	-45	3	60			60	60	60	60					
Activity 2 - Bored Piling	108	70	-45	3	66						66	66	66			
2) Zone 2			•													
Activity 1 - D Walling																
Zone 2.1	104	626	-64	3	43						43	43	43			
Zone 2.2	104	462	-61	3	46						46	46	46			
Zone 2.3	104	462	-61	3	46						46	46	46			
Zone 2.4	104	691	-65	3	43						43	43	43			
Activity 2 - Bored Piling							-									
Zone 2.1	112	626	-64	3	51								51			
Zone 2.2	112	462	-61	3	53								53			
Zone 2.3	112	462	-61	3	53								53			
Zone 2.4	112	691	-65	3	50								50			
3) Zone 3																
Activity 1 - D Walling	107	886	-67	3	43								43			
4) Park Construction - Zone A	109	1042	-68	3	44			44	44	44	44	44	44			
5) ICC Footbridge	106	827	-66	3	42			42	42	42	42	42	42			
6) East Concrete Batching Plant (Operation)	109	158	-52	3	60						60	60	60			
7) Barging Point (BP)																
3P4	110	751	-66	3	47			47	47	47	47	47	47			
3P5	110	799	-66	3	47			47	47	47	47	47	47			
3P6	110	1001	-68	3	45			45	45	45	45	45	45			
3P7	110	1093	-69	3	44			44	44	44	44	44	44			
8) West Pier (Optional)	112	1451	-71	3	43			43	43	43	43	43	43			
9) South Pier (Optional)	112	786	-66	3	49			49	49	49	49	49	49	20	13	2
10) Viewing Platform (Optional)	108	422	-61	3	51			51	51	51	51	51	51	Min	Max	Mir
			Predicted No	ise Level of this Pr	oject, dB (A)			62	62	62	68	67	68	62	62	67
			Predicted Noise Le	vel of Express Rail	Link, dB(A) ¹			68	65	64	67	61	59			
		Prodictod N	loise Level of Road	Works at West Kow	$dB(\Delta)^2$			60	60	60	60	60	60	20	13	2

Predicted Noise Level of Road Improvement Works in West Kowloon Re Overall Cumulative Noise Level, dB(A) 69 67 67 71 69 69 67 69 69 71

Note: Bold figure in shaded box denotes exceedance of relevant construction noise criteria
1) Predicted Noise Levels are referred to NSR WK6 in Appendix G of Environmental Review for Proposed West Kowllon Terminus Concrete Batching Facility.

2) Predicted Noise Levels are referred to NSR VT2 in Appendix 3.13 of approved EIA of Road Works at West Kowloon (AEIAR-141/2009) for conservative approach.

3) Predicted Noise Levels are referred to NSR VT1 in Appendix 2.4 of Preliminary Environmental Review Report - Scheme Q of Proposed Road Improvement Works in West Kowloon Reclamation for conservative approach. Delaying of 6 months of construction programme based on latest information have been included in predicted noise level.
 4) Distances between NSR and the activities are different in same zone since worst case scenario of their notional point have been adopted.

Construction Programme with Predicted	Total SWL,	Distance	Distance	Facade	Calculated			2013				2014		1	
Noise Level (dB, (A))	dB (A)	(m)	Correction, dB (A)	Correction, dB(A)	SPL, dB(A)	8	9	10	11	12	1	2	3	İ	
1) Zone 1														1	
Activity 1 - D Walling	102	74	-45	3	60			60	60	60	60			1	
Activity 2 - Bored Piling	108	74	-45	3	66						66	66	66	1	
2) Zone 2														1	
Activity 1 - D Walling														1	
Zone 2.1	104	641	-64	3	43						43	43	43	1	
Zone 2.2	104	482	-62	3	46						46	46	46	1	
Zone 2.3	104	487	-62	3	46						46	46	46	1	
Zone 2.4	104	716	-65	3	42						42	42	42	1	
Activity 2 - Bored Piling														1	
Zone 2.1	112	641	-64	3	50								50	1	
Zone 2.2	112	482	-62	3	53								53	1	
Zone 2.3	112	487	-62	3	53								53	1	
Zone 2.4	112	716	-65	3	50								50	1	
3) Zone 3														1	
Activity 1 - D Walling	107	901	-67	3	43								43	1	
4) Park Construction - Zone A	109	1068	-69	3	43			43	43	43	43	43	43	1	
5) ICC Footbridge	106	846	-67	3	42			42	42	42	42	42	42	1	
6) East Concrete Batching Plant (Operation)	109	183	-53	3	58						58	58	58	1	
7) Barging Point (BP)														1	
3P4	110	781	-66	3	47			47	47	47	47	47	47	1	
3P5	110	831	-66	3	46			46	46	46	46	46	46	1	
3P6	110	1036	-68	3	44			44	44	44	44	44	44	1	
3P7	110	1131	-69	3	44			44	44	44	44	44	44	1	
8) West Pier (Optional)	112	1471	-71	3	43			43	43	43	43	43	43	i	
9) South Pier (Optional)	112	816	-66	3	48			48	48	48	48	48	48	2013	:
10) Viewing Platform (Optional)	108	462	-61	3	50			50	50	50	50	50	50	Min Max	Min
· · · ·			Predicted No	ise Level of this Pr	oject, dB (A)			61	61	61	68	67	67	61 61	67
			Predicted Noise Le					68	65	64	67	61	59	i	
			loise Level of Road	Maulas - 1 Marsh 16	1			60	60	60	60	60	60	2013	

Predicted Noise Level of Road Improvement Works in West Kowloon Reclamation, dB(A)³ 69 67 67 71 69 69 67 69 69 71 Overall Cumulative Noise Level, dB(A)

Note: Bold figure in shaded box denotes exceedance of relevant construction noise criteria
1) Predicted Noise Levels are referred to NSR WK6 in Appendix G of Environmental Review for Proposed West Kowllon Terminus Concrete Batching Facility.

2) Predicted Noise Levels are referred to NSR VT2 in Appendix 3.13 of approved EIA of Road Works at West Kowloon (AEIAR-141/2009) for conservative approach.

3) Predicted Noise Levels are referred to NSR VT2 in Appendix 2.4 of Preliminary Environmental Review Report - Scheme Q of Proposed Road Improvement Works in West Kowloon Reclamation for conservative approach. Delaying of 6 months of construction programme based on latest information have been included in predicted noise level.

4) Distances between NSR and the activities are different in same zone since worst case scenario of their notional point have been adopted.

Construction Programme with Predicted	Total SWL,	Distance	Distance	Facade	Calculated			2013				2014				
Noise Level (dB, (A))	dB (A)	(m)	Correction, dB (A)	Correction, dB(A)	SPL, dB(A)	8	9	10	11	12	1	2	3			
1) Zone 1																
Activity 1 - D Walling	102	75	-46	3	59			59	59	59	59		1			
Activity 2 - Bored Piling	108	75	-46	3	65						65	65	65			
2) Zone 2																
Activity 1 - D Walling																
Zone 2.1	104	640	-64	3	43						43	43	43			
Zone 2.2	104	475	-62	3	46						46	46	46			
Zone 2.3	104	465	-61	3	46						46	46	46			
Zone 2.4	104	685	-65	3	43						43	43	43			
Activity 2 - Bored Piling					-					•						
Zone 2.1	112	640	-64	3	50								50			
Zone 2.2	112	475	-62	3	53								53			
Zone 2.3	112	465	-61	3	53								53			
Zone 2.4	112	685	-65	3	50								50			
3) Zone 3																
Activity 1 - D Walling	107	900	-67	3	43								43			
4) Park Construction - Zone A	109	1046	-68	3	44			44	44	44	44	44	44			
5) ICC Footbridge	106	843	-67	3	42			42	42	42	42	42	42			
6) East Concrete Batching Plant (Operation)	109	160	-52	3	60						60	60	60			
7) Barging Point (BP)						-					-					
BP4	110	750	-66	3	47			47	47	47	47	47	47			
BP5	110	795	-66	3	47			47	47	47	47	47	47			
BP6	110	993	-68	3	45			45	45	45	45	45	45			
BP7	110	1083	-69	3	44			44	44	44	44	44	44			
8) West Pier (Optional)	112	1455	-71	3	43			43	43	43	43	43	43			
9) South Pier (Optional)	112	780	-66	3	49			49	49	49	49	49	49	2013		2
10) Viewing Platform (Optional)	108	398	-60	3	51			51	51	51	51	51	51	Min Max	Mi	1
				ise Level of this Pr				61	61	61	68	67	68	61 61	67	
			Predicted Noise Le					67	62	62	66	60	58			
	F	Predicted N	loise Level of Road	Works at West Kow	loon, dB(A) ²			60	60	60	60	60	60	2013		•

Predicted Noise Level of Road Improvement Works in West Kowloon Reclamation, dB(A)³ 41 62 Min Max Min Max

Overall Cumulative Noise Level, dB(A) 69 66 66 70 68 69 66 69 68 70

Note: Bold figure in shaded box denotes exceedance of relevant construction noise criteria
1) Predicted Noise Levels are referred to NSR WK7 in Appendix G of Environmental Review for Proposed West Kowllon Terminus Concrete Batching Facility.

2) Predicted Noise Levels are referred to NSR VT2 in Appendix 3.13 of approved EIA of Road Works at West Kowloon (AEIAR-141/2009) for conservative approach.

Predicted Noise Levels are referred to NSR LCS in Appendix 2.4 of Preliminary Environmental Review Report - Scheme Q of Proposed Road Improvement Works in West Kowloon Reclamation for conservative approach. Delaying of 6 months of construction programme based on latest information have been included in predicted noise level.
 Distances between NSR and the activities are different in same zone since worst case scenario of their notional point have been adopted.

Mitigated Construction Noise Impact

NSR: CRGPS (Canton Road Government Primary School)

Construction Programme with Predicted	Total SWL,	Distance	Distance	Facade	Calculated			2013				2014		l			
Noise Level (dB, (A))	dB (A)	(m)	Correction, dB (A)	Correction, dB(A)	SPL, dB(A)	8	9	10	11	12	1	2	3	[
1) Zone 1																	
Activity 1 - D Walling	102	90	-47	3	58			58	58	58	58						
Activity 2 - Bored Piling	108	90	-47	3	64						64	64	64				
2) Zone 2																	
Activity 1 - D Walling																	
Zone 2.1	104	645	-64	3	43						43	43	43				
Zone 2.2	104	480	-62	3	46						46	46	46				
Zone 2.3	104	470	-61	3	46						46	46	46				
Zone 2.4	104	685	-65	3	43						43	43	43				
Activity 2 - Bored Piling				•													
Zone 2.1	112	645	-64	3	50								50				
Zone 2.2	112	480	-62	3	53								53				
Zone 2.3	112	470	-61	3	53								53				
Zone 2.4	112	685	-65	3	50								50				
3) Zone 3		•		•	-												
Activity 1 - D Walling	107	905	-67	3	43								43				
4) Park Construction - Zone A	109	1065	-69	3	43			43	43	43	43	43	43				
5) ICC Footbridge	106	847	-67	3	42			42	42	42	42	42	42				
6) East Concrete Batching Plant (Operation)	109	170	-53	3	59						59	59	59				
7) Barging Point (BP)		•		•	-												
BP4	110	745	-65	3	47			47	47	47	47	47	47				
BP5	110	795	-66	3	47			47	47	47	47	47	47				
BP6	110	993	-68	3	45			45	45	45	45	45	45				
BP7	110	1080	-69	3	44			44	44	44	44	44	44				
8) West Pier (Optional)	112	1455	-71	3	43			43	43	43	43	43	43				
9) South Pier (Optional)	112	775	-66	3	49			49	49	49	49	49	49	2013		20)1
10) Viewing Platform (Optional)	108	400	-60	3	51			51	51	51	51	51	51	Min N	lax	Min	ſ
			Predicted No	oise Level of this Pr	oject, dB (A)			60	60	60	66	66	66	60 6	50	66	T
			Predicted Noise Le	evel of Express Rail	Link, dB(A) ¹			67	62	62	66	60	58				
		Predicted N	Noise Level of Road	Works at West Kow	loon, dB(A) ²			60	60	60	60	60	60	2013		20)1
Predicted Nois	e Level of R	oad Improv	ement Works in Wes	st Kowloon Reclam	ation. dB(A) ³							41	60	Min N	lax	Min	ſ

Predicted Noise Level of Road Improvement Works in West Kowloon R Overall Cumulative Noise Level, dB(A) 68 66 66 70 68 68 66 68 68

Note: Bold figure in shaded box denotes exceedance of relevant construction noise criteria
1) Predicted Noise Levels are referred to NSR WK7 in Appendix G of Environmental Review for Proposed West Kowllon Terminus Concrete Batching Facility.

2) Predicted Noise Levels are referred to NSR VT2 in Appendix 3.13 of approved EIA of Road Works at West Kowloon (AEIAR-141/2009) for conservative approach.

3) Predicted Noise Levels are referred to NSR CGPS in Appendix 2.4 of Preliminary Environmental Review Report - Scheme Q of Proposed Road Improvement Works in West Kowloon Reclamation for conservative approach. Delaying of 6 months of construction programme based on latest information have been included in predicted noise level.
 4) Distances between NSR and the activities are different in same zone since worst case scenario of their notional point have been adopted.

Mitigated Construction Noise Impact

NSR: FQ (Fire Services Department Staff Quarter)

Construction Programme with Predicted	Total SWL,	Distance	Distance	Facade	Calculated			2013				2014		ļ			
Noise Level (dB, (A))	dB (A)	(m)	Correction, dB (A)	Correction, dB(A)	SPL, dB(A)	8	9	10	11	12	1	2	3				
1) Zone 1																	
Activity 1 - D Walling	102	54	-43	3	62			62	62	62	62						
Activity 2 - Bored Piling	108	54	-43	3	68						68	68	68				
2) Zone 2																	
Activity 1 - D Walling																	
Zone 2.1	104	540	-63	3	45						45	45	45				
Zone 2.2	104	371	-59	3	48						48	48	48				
Zone 2.3	104	366	-59	3	48						48	48	48				
Zone 2.4	104	580	-63	3	44						44	44	44]			
Activity 2 - Bored Piling			•	•	-												
Zone 2.1	112	587	-63	3	51								51				
Zone 2.2	112	419	-60	3	54								54				
Zone 2.3	112	422	-61	3	54								54				
Zone 2.4	112	614	-64	3	51								51				
3) Zone 3			•	•	-												
Activity 1 - D Walling	107	795	-66	3	44								44				
4) Park Construction - Zone A	109	996	-68	3	44			44	44	44	44	44	44				
5) ICC Footbridge	106	744	-65	3	43			43	43	43	43	43	43				
6) East Concrete Batching Plant (Operation)	109	68	-45	3	67						67	67	67				
7) Barging Point (BP)		-			-								-				
BP4	110	650	-64	3	49			49	49	49	49	49	49				
BP5	110	695	-65	3	48			48	48	48	48	48	48				
BP6	110	900	-67	3	46			46	46	46	46	46	46				
BP7	110	985	-68	3	45			45	45	45	45	45	45				
8) West Pier (Optional)	112	1350	-71	3	44			44	44	44	44	44	44				
9) South Pier (Optional)	112	680	-65	3	50			50	50	50	50	50	50	201	3	2	201
10) Viewing Platform (Optional)	108	291	-57	3	54			54	54	54	54	54	54	Min	Max	Min	
			Predicted No	oise Level of this Pr	oject, dB (A)			64	64	64	72	71	71	64	64	71	T
			Predicted Noise Le	evel of Express Rail	Link, dB(A) ¹			74	72	72	73	70					
	I	Predicted N	loise Level of Road	Works at West Kow	/loon, dB(A) ²			60	60	60	60	60	60	201	3	2	201
Predicted Nois	e Level of Re	oad Improv	ement Works in Wes	st Kowloon Reclam	ation, dB(A) ³							41	62	Min	Max	Min	
			• •								76		7.4				-

 Overall Cumulative Noise Level, dB(A)
 75
 73
 73
 74
 74
 73
 75
 74

Note: Bold figure in shaded box denotes exceedance of relevant construction noise criteria
1) Predicted Noise Levels are referred to NSR WK7a in Appendix G of Environmental Review for Proposed West Kowlon Terminus Concrete Batching Facility.

2) Predicted Noise Levels are referred to NSR VT2 in Appendix 3.13 of approved EIA of Road Works at West Kowloon (AEIAR-141/2009) for conservative approach.

3) Predicted Noise Levels are referred to NSR LCS in Appendix 2.4 of Preliminary Environmental Review Report - Scheme Q of Proposed Road Improvement Works in West Kowloon Reclamation for conservative approach. Delaying of 6 months of construction programme based on latest information have been included in predicted noise level.
 4) Distances between NSR and the activities are different in same zone since worst case scenario of their notional point have been adopted.

61 72 73 60 60 61 73

72

60 60 60

Min Max Min Max

Mitigated Construction Noise Impact

NSR: CUL (The Cullirian I)

Construction Programme with Predicted	Total SWL,	Distance	Distance	Facade	Calculated	2)13				2014		l			
Noise Level (dB, (A))	dB (A)	(m)	Correction, dB (A)	Correction, dB(A)	SPL, dB(A)		10 1	1	12	1	2	3	Í			
1) Zone 1													ł			
Activity 1 - D Walling	102	676	-65	3	40		40 4	0	40	40			ł			
Activity 2 - Bored Piling	108	675	-65	3	46					46	46	46	ł			
2) Zone 2																
Activity 1 - D Walling																
Zone 2.1	104	337	-59	3	49					49	49	49				
Zone 2.2	104	337	-59	3	49					49	49	49				
Zone 2.3	104	511	-62	3	45					45	45	45				
Zone 2.4	104	476	-62	3	46					46	46	46				
Activity 2 - Bored Piling		•	•													
Zone 2.1	112	336	-59	3	56							56				
Zone 2.2	112	336	-59	3	56							56	ł			
Zone 2.3	112	510	-62	3	52							52	ł			
Zone 2.4	112	475	-62	3	53							53				
3) Zone 3	•	•	•										i i			
Activity 1 - D Walling	107	347	-59	3	52							52	i i			
4) Park Construction - Zone A	109	675	-65	3	47		47 4	7	47	47	47	47	ł			
5) ICC Footbridge	106	272	-57	3	52		52 5	2	52	52	52	52	ł			
6) East Concrete Batching Plant (Operation)	109	703	-65	3	47					47	47	47				
7) Barging Point (BP)		•	•													
BP4	110	451	-61	3	52		52 5	2	52	52	52	52				
BP5	110	461	-61	3	52		52 5	2	52	52	52	52	ł			
BP6	110	611	-64	3	49		49 4	9	49	49	49	49	ł			
BP7	110	726	-65	3	48		48 4	8	48	48	48	48	ł			
8) West Pier (Optional)	112	826	-66	3	48		48 4	8	48	48	48	48				
9) South Pier (Optional)	112	476	-62	3	53		53 5	i3	53	53	53	53	201	3	2	0
10) Viewing Platform (Optional)	108	561	-63	3	48		48 4	8	48	48	48	48	Min	Max	Min	Ĩ
			Predicted No	ise Level of this Pr	oject, dB (A)		60 6	i0	60	61	61	64	60	60	61	T
			Predicted Noise Le	vel of Express Rail	Link, dB(A) ¹						_		1			
	1	Predicted N	loise Level of Road	Works at West Kow	loon, dB(A) ²								201	3	2	01

Predicted Noise Level of Road Improvement Works in West Kowloon Reclamation, dB(A)³

Overall Cumulative Noise Level, dB(A)

Note: Bold figure in shaded box denotes exceedance of relevant construction noise criteria

Since the NSR is located 270m apart from the site boundary and no direct line of sight of the construction works of "Express Rail Link" project, the cummulative noise impact is predicted to be low and has insignificant contribution to the NSR, therefore, cumulative noise impact is not taken into account at this NSR.
 Since the NSR is located 270m apart from the site boundary and no direct line of sight of the construction works of "Road Works at West Kowloon" project, the cummulative noise impact is predicted to be low and has insignificant contribution to the NSR, therefore, cumulative noise impact is not taken into account at this NSR.

Predicted Noise Levels are referred to NSR SRT in Appendix 2.4 of Preliminary Environmental Review Report - Scheme H, I & J of Proposed Road Improvement Works in West Kowloon Reclamation for conservative approach. Delaying of 6 months of construction programme based on latest information have been included in predicted noise level.
 Distances between NSR and the activities are different in same zone since worst case scenario of their notional point have been adopted.