
APPENDIX 7.7

**POWERED MECHANICAL EQUIPMENT
(PME) FOR DIFFERENT CONSTRUCTION
TASKS DURING NORMAL DAYTIME
WORKING HOURS – MITIGATED
SCENARIO**

Appendix 7.7 Powered Mechanical Equipment (PME) for Different Construction Tasks during Normal Daytime Working Hours (Mitigated Scenario-With Quiet PME)

Tai Po Sewage Treatment Work

Site Clearance and Set up Site Office

Powered Mechanical Equipment (PME)	TM Ref./ other Ref.	No. Items	SWL/Item dB(A)	On-time %	Noise Barrier Reduction	Total SWL dB(A)
Breaker, excavator mounted [1] -	C2/4	1	119	100%	0	119
Excavator [1] -	C3/97	1	105	100%	0	105
Dump Truck [1] -	C9/20	1	103	100%	0	103
Air Compressor - -	CNP002	1	102	100%	0	102
Bulldozer [1] -	C9/2	1	104	100%	0	104
Generator [1] -	CNP 103	1	95	100%	0	95
Total						119

Pilling Work

Powered Mechanical Equipment (PME)	TM Ref./ other Ref.	No. Items	SWL/Item dB(A)	On-time %	Noise Barrier Reduction	Total SWL dB(A)
Bored Piling, grab and chisel - -	CNP164	1	115	100%	0	115
Mobile Crane [1] -	C7/114	1	101	100%	0	101
Dump Truck [1] -	C9/20	1	103	100%	0	103
Air Compressor - -	CNP002	1	102	100%	0	102
Generator [1] -	CNP 103	1	95	100%	0	95
Total						116

Excavation

Powered Mechanical Equipment (PME)	TM Ref./ other Ref.	No. Items	SWL/Item dB(A)	On-time %	Noise Barrier Reduction	Total SWL dB(A)
Dump Truck [1] -	C9/20	1	103	100%	0	103
Excavator [1] -	C3/97	1	105	100%	0	105
Generator [1] -	CNP 103	1	95	100%	0	95
Air Compressor - -	CNP002	1	102	100%	0	102
Breaker, excavator mounted [1] -	C2/4	1	119	100%	0	119
Piling, oscillator - -	CNP165	1	115	100%	0	115
Total						121

Demolition

Powered Mechanical Equipment (PME)	TM Ref./ other Ref.	No. Items	SWL/Item dB(A)	On-time %	Noise Barrier Reduction	Total SWL dB(A)
Breaker, excavator mounted [1] -	C2/4	1	119	100%	0	119
Breaker, hand-held - -	CNP024	1	108	100%	0	108
Air Compressor - -	CNP002	1	102	100%	0	102
Lorry [1] -	C3/59	1	105	100%	0	105
Loader [1] -	C3/97	1	105	100%	0	105
Generator [1] -	CNP 103	1	95	100%	0	95
Total						120

Note:

[1]: Quiet PMEs

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Concreting Work

Powered Mechanical Equipment (PME)	TM Ref./ other Ref.	No. Items	SWL/Item dB(A)	On-time %	Noise Barrier Reduction	Total SWL dB(A)
Mobile Crane [1] -	C7/114	1	101	100%	0	101
Concrete Lorry Mixer [1] -	C6/23	1	100	100%	0	100
Bar Bender and cutter -	CNP021	1	90	100%	0	90
Concrete Pump [1] -	C6/36	1	106	100%	0	106
Poker [1] -	C6/32	3	100	100%	0	105
Chipper, hand held -	CNP043	1	112	100%	0	112
Saw, circular wood -	CNP201	1	108	100%	0	108
Generator [1] -	CNP 103	1	95	100%	0	95
Air Compressor -	CNP002	1	102	100%	0	102
Total						115

Pipework or miscellaneous work

Powered Mechanical Equipment (PME)	TM Ref./ other Ref.	No. Items	SWL/Item dB(A)	On-time %	Noise Barrier Reduction	Total SWL dB(A)
Backhoe [1] -	C8/33	1	102	100%	0	102
Mobile Crane [1] -	C7/114	1	101	100%	0	101
Lorry [1] -	C3/59	1	105	100%	0	105
Compactor -	CNP050	1	105	100%	0	105
Generator [1] -	CNP 103	1	95	100%	0	95
Air Compressor -	CNP002	1	102	100%	0	102
Roller [1] -	C8/25	1	96	100%	0	96
Total						111

Note:

[1]: Quiet PMEs

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