

Appendix 9 - Construction Noise

Table A9.1 contains a summary of the equipment assumed in the construction noise assessment.

Table A9.1: Construction Activities

Activity	Equipment	On Time %	Assess Method	L _w dB(A)
1: Topsoil Strip	1 Tracked excavator	75	Mobile	110
	1 Dumper	50	Mobile	106
2: Embankments	1 Tracked Excavator	75	Mobile	110
		50	Mobile	106
	1 Dumper			
	1 Roller	50	Mobile	104
3: Bridge Foundations	1 Piling Rig (driven)	50	Fixed	116
	1 Crane	60	Fixed	104
4: Bridge Substructure	1 Crane	50	Fixed	104
	1 Generator	83	Fixed	104
	1 Concrete pump	50	Fixed	106
		83	Fixed	104
	1 Concrete truck	83	Fixed	105
	1 compressor & air poker vibrator			
5 Bridge Superstructure	1 Air spanner	50	Fixed	105
	40t mobile crane	50	Fixed	109
		50	Fixed	95
	1 Mobile platform	50	Fixed	106
	1 Concrete pump	50	Fixed	105
		50	Fixed	105
	1 Concrete truck	50	Fixed	104
	1 Compressor & air poker vibrator			
	1 Generator &			

	small tools			
6: Road Construction	1 Spreader	50	Mobile	110
	1 Paving Machine	50	Mobile	109
	1 Compactor	50	Mobile	108
	1 Bitumen sprayer	50	Mobile	110

Table A9.2: Distance from receptors to construction activities (m)

Activity	Distance (m)				
	C1 Jeanfield	C2 Kilmarnock Rd, Symington	C3 Stockbridge Cottage	C4 Tarbolt on Rd	C5 Kilmarnock Rd, Whitelees
1: Topsoil Strip	150	25	30	30	15
2: Embankments	150	75	130	100	360
3: Bridge Foundations	180	90	200	120	440
4: Bridge Substructure	180	90	200	120	440
5 Bridge Superstructure	180	90	200	120	440
6: Road Construction	165	25	30	30	15