

# CALDECOTE FARM

NEWPORT PAGNELL · MILTON KEYNES

## APPENDIX 9

*ENVIRONMENTAL STATEMENT*

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## NOISE AND VIBRATION

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### APPENDIX 9.2

CONSTRUCTION PLANT ASSUMPTIONS

## Appendix 9.2 Construction Plant Assumptions

Phase	Plant Item	Number	Estimated on Time (%)	LAeq,T at 10m (dB)
Earthworks	Tracked excavator (loading dump truck), 228 kW, - 44t	3	90	85
	Tracked excavator, 228 kW, - 44t	3	90	82
	Dump truck (tipping fill), 306 kW - 29t	7	90	79
	Dump truck (tipping fill), 306 kW - 29t	8	90	79
	Tracked Excavator, 75 kW - 15t	6	90	79
	Dozer, 68 kW - 11t	6	90	82
	Vibratory roller*, 29 kW - 4t	4	90	74
Concreting Activities	Diesel generator,	5	90	74
	Concrete pump, 59 kW - 28t / 180mm diameter /59 bar	2	50	78
	Gas cutter	1	10	79
	Poker vibrator,	6	50	78
	Large lorry concrete mixer, 216 kW	4	50	77
Main Build	Wheeled mobile crane, kW - 70t	4	75	70
	Hand held power tools	30	50	77
	Diesel generator,	5	100	74
	Gas cutter	2	10	79
	Lifting platform, 35 kW - 8t	10	75	67
	Concrete pump, 59 kW - 28t / 180mm diameter /59 bar	2	50	78