

Appendix 13.3 Construction Activities and Plant

Appendix 13.3: Construction Activities and Plant

- 1.1 For each of the identified construction phases, the main items of plant and equipment to be employed and the corresponding noise levels in dB LAeq have been predicted at distances of 10m from the source activities.

Table 13.3.1 Construction phases and associated plant item

Construction Phase	Plant	Elements	A-weighted sound pressure level @ 10m dB(A)	Assumed 'on time' %	Corrected A-weighted sound pressure level @ 10m dB(A)
General Gang	Pickup Trucks	2 No.	74	30	69
	10 Tonne Lorry	4 Hr/Week	76	5	65
	8 Tonne Excavator	1 No.	71	30	66
Drainage Gang	8 Tonne Excavator	1 No.	71	30	66
	5 Tonne Dumper	2 No.	78	30	73
	3 Tonne Vibratory Roller	1 No.	73	30	68
	Concrete Mixer Lorry	1 Hr/Day	80	10	70
Drainage Gang 2	20 Tonne Excavator	1 No.	71	30	66
	5 Tonne Dumper	2 No.	78	30	73
	3 Tonne Vibratory Roller	1 No.	73	30	68
	Concrete Mixer Lorry	1 Hr/Day	80	10	70
Breakout Gang	8 Tonne Excavator	1 No.	71	30	66
	Excavator Mounted Breaker	1 Hr/Day	89	10	79
	5 Tonne Dumper	2 No.	78	30	73
	10 Tonne Lorry	2 Hr/Week	76	5	62
Earthworks Gang 1	8 Tonne Excavator	2 No.	71	30	66
	5 Tonne Dumper	4 No.	78	30	73
	3 Tonne Vibratory Roller	1 No.	73	30	68
Earthworks Gang 2	20 Tonne Excavator	1 No.	71	30	66
	8 Tonne Excavator	2 No.	71	30	66
	9 Tonne Dumper	4 No.	76	30	71
	18 Tonne Sheepsfoot Roller	2 No.	73	30	68
	D4 Blade	1 No.	79	30	74
Concrete Gang	Concrete Mixer Truck	1 No.	80	30	75

Construction Phase	Plant	Elements	A-weighted sound pressure level @ 10m dB(A)	Assumed 'on time' %	Corrected A-weighted sound pressure level @ 10m dB(A)
	5 Tonne Dumper	1 No.	78	30	73
	3" Vibrating Pokers	4 No.	77	30	72
	250 cfm Compressor	1 No.	65	30	60
Surfacing Gang	10 Tonne Lorry	1 No.	76	30	71
	3 Tonne Vibratory Roller	1 No.	73	30	68
Spillway Reinforcement Gang	13 Tonne Excavator	1 No.	71	30	66
	10 Tonne Lorry	2/Hr/Day	76	20	69
Pumping Gang	Selwood S150 Super Silent 6" Pump	2 No.	55	30	50
	10 Tonne Lorry	1 Hr/Day	76	10	66
De-Silting Gang	8 Tonne Excavator	1 No.	71	30	66
	6" Silt Pump	1 No.	65	30	60
	10 Tonne Lorry	1 Hr/Day	76	10	66
Cladding Gang	3.4 KVA Generator	1 No	43	30	38
	Hammer Drill	1 No.	73	30	68
Kerb Gang	8 Tonne Excavator	1 No.	71	30	66
	Concrete Mixer Truck	2 Hr/Day	80	20	73
Steel Gang	Impact Wrench	2 No.	78	30	73
	250 cfm Compressor	1 No.	65	30	60
Piling Gang	4 Tonne Hydraulic Piling Hammer	1 No.	87	30	82
	Power Pack for Hydraulic Hammer	1 No.	69	30	64
Exceptional items of plant	8 Tonne Excavator	1 No.	71	30	66
	13 Tonne Excavator	1 No.	71	30	66
	20 Tonne Excavator	1 No.	71	30	66
	90 Tonne Crawler	1 No.	75	30	70
	26 Tonne Concrete Pump	1 No	80	30	75
	0.5m cold miller	1 No.	68	30	63