Appendix 14.2 Construction Plant and Associated Plant Noise Levels

Activity	Plant	Number	BS5228 Reference	Percentage On Time	Sound Pressure at 10m (dB(A))
Construction Access					
Site Preparation	Concrete Lorry	1	C4.18	10	75.0
	Petrol Hand Held Saw	1	C4.70	30	70.0
	Tracked Excavator	2	C6.6	30	81.0
	Tracked Excavator	2	C2.3	30	78.0
Road Construction	Wheeled Backhoe Loader	1	C2.8	50	78.0
	Dumper	2	C4.3	60	76.0
Surfacing	Road Roller	2	C5.19	60	80.0
Dust Suppression	Road Sweeper	1	C4.90	5	76.0
	Water	1	C6.37	10	81.0
Road Maintenance					
Dumping Material	HGV's transporting Type 1	1	C6.26	10	79.0
Rolling and Compaction	Road Roller	1	C5.19	10	80.0
Water Bowser	Water	1	C6.37	10	81.0
Breaking and Loading	Tracked Excavator	1	C2.3	10	78.0
Removal and Reinstatement of Access Roads					
Breaking and Loading	Tracked Excavator	2	C6.6	60	81.0
	Wheeled Backhoe Loader	2	C2.8	70	78.0
Transport Materials	Dumper	4	C4.3	60	76.0
Dumping Load	HGV's transporting Type 1	6	C6.26	30	79.0
	Tractor Towing	1	C4.74	10	80.0
Dust Suppression	Road Sweeper	1	C4.90	**5**	76.0
	Water	1	C6.37	10	81.0
Bellmouth AP7 Windle Edge					
Earthworks	Tracked Excavator	1	C2.3	60	78.0
Bellmouth Construction	Dumper	1	C4.3	60	76.0
	Tracked Excavator	1	C2.3	60	78.0
	HGV's transporting Type 1	1	C6.26	15	79.0
	Concrete Lorry	1	C4.18	10	75.0
	Portable generator	1	C4.76	100	61.0
	Petrol Hand Held Circular Saw	1	C4.70	10	70.0
Road Surfacing	Road Planer	1	C5.9	60	68.0
	Road Roller	1	C5.19	60	80.0
Laydown Areas					
Site Preparation	Tracked Excavator	1	C2.3	60	78.0
Road Construction	Dumper	2	C4.3	60	76.0
	Road Roller	1	C5.19	60	80.0
Move Materials	Tele Handler	1	C4.55	60	70.0
	Dumper	2	C4.3	60	76.0
Rock Removal at Dunford Bridge					
Site Preparation	Tracked Excavator	2	C2.3	60	78.0
Rock Breaking	Excavator mounted rock breaker	1	C9.12	60	85.0
Material Removal	Tele Handler	1	C4.55	60	70.0

	Dumper	2	C4.3	60	76.0
Construction Compounds at Dunford Bridge					
Site Preparation	Tracked Excavator	2	C2.3	60	78.0
	Concrete Lorry	1	C4.18	10	75.0
Breaking Boulders	Rock Crusher	1	C9.14	40	90.0
Site Works	Generator	1	C3.32	90	73.0
Moving Materials	Tele Handler	1	C4.55	60	70.0
	Dumper	2	C4.3	60	76.0
Laydown Area at Wogden Foot					
Site Preparation	Concrete Lorry	1	C4.18	10	75.0
	Excavator	1	C2.14	15	79.0
Breaking Boulders	Rock Crusher	1	C9.14	40	90.0
Process Materials	Screen Table	1	C10.15	40	81.0
	Batching Plant	1	D5.10	40	78.0
Site Works	Generator	1	C3.32	90	73.0
Move Materials	Tele Handler	1	C4.55	60	70.0
	Dumper	6	C4.3	60	76.0
Overhead Line Decommissioning					
Tower Dismantling	Tracked Excavator	1	C2.14	70	79.0
	Tele Handler	2	C4.55	60	70.0
	Crane to dismantle towers	2	C3.28	30	67.0
	Rear Winder	3	Suppliers data	75	77.0
	Generator	1	C4.76	50	61.0
Breaking up concrete	Excavator Mounted Pulverizer	1	C1.3	70	80.0
Rubble Dumping	Tracked Excavator	1	C1.10	20	85.0
Cutting Steel	Gas Cutter	1	C1.18	50	82.0
Sealing End Compound Wogden Foot					
Ground Preparation	Excavator	1	C2.14	70	79.0
	Tracked mobile crane	1	C3.9	60	70.0
	Wheeled Backhoe Loader	3	C2.8	70	78.0
Piled Foundations	Steel Tube Piling Rig	1	C3.2	50	87.0
	Concrete Pump	1	C3.25	50	77.0
Site Works	Generator	2	C3.32	90	73.0
	Angle Grinder	1	C4.93	20	80.0
	Tele Handler	1	C4.55	60	70.0
Demolition Sealing End Compound Dunford Bridge					
Dismantling	Tracked Excavator	1	C2.14	70	79.0
	Tele Handler	2	C4.55	60	70.0
	Crane to dismantle towers	2	C3.28	30	67.0
Breaking up concrete	Excavator Mounted Pulverizer	1	C1.3	70	80.0
Material Removal	Tele Handler	1	C4.55	60	70.0
	Dumper	6	C4.3	60	76.0
GIL Undergrounding					
Trench					
Trenching	Hydraulic Breaker	1	C5.19	15	88.0
	Tracked Excavator	1	C2.3	60	78.0
Cable Laying	Tracked mobile crane	1	C3.9	60	70.0
	Side Boom	2	C3.28	60	67.0
	Wheeled Backhoe Loader	1	C2.8	70	78.0
Backfill	Dumper	2	C4.3	60	76.0

	Front End Loader	1	C2.28	60	76.0
Compaction	Roller Compactor	1	C2.42	60	78.0
Temporary/ Terminal Pylon Construction					
Ground Preparation	Excavator	1	C2.14	70	79.0
Piled Foundations	Steel Tube Piling Rig	1	C3.2	50	87.0
	Concrete Pump	1	C3.25	50	77.0
Pylon Assembly	Tele Handler	1	C4.55	60	70.0
Pylon Installation	Crane	1	C4.38	60	78.0
Pylon Tensioning	Winder	1	Suppliers data	75	77.0
	Rear Winder	1	Suppliers data	75	77.0
Installation of new Bridge and temporary bridge.					
Site Preparation	Concrete Lorry	4	C4.18	10	75.0
Road Construction	Wheeled Backhoe Loader	2	C2.8	20	78.0
	Road Roller	1	C5.19	10	80.0
Bored Piling	Crane mounted Auger	1	C3.16	40	79.0
Bridge Assembly	Crane to assemble bridges	1	C3.28	30	67.0
	Crane to assemble bridges	1	C3.28	30	67.0
	Tracked Excavator	2	C6.6	60	81.0
	Dumper	4	C4.3	15	76.0
	HGV's transporting Type 1	6	C6.26	15	79.0
	Petrol Hand Held Circular Saw	2	C4.70	10	70.0
Removal of temporary bridge.					
Bridge Dismantling	Crane	1	C3.28	70	67.0
	Tracked Excavator	2	C6.6	40	81.0
	Petrol Hand Held Circular Saw	2	C4.70	10	70.0
Transport Materials	Dumper	4	C4.3	15	76.0
	HGV's transporting Type 1	6	C6.26	15	79.0
Dust Suppression	Road Sweeper	1	C4.90	5	76.0
	Water	1	C6.37	10	81.0