

APPENDIX 8.4

CONSTRUCTION NOISE LEVELS

Construction Plant Inventory

Soil Movements:

Plant Type	Sound Power Level	% Operating Time	Distance Ratio
Dozer	106	80	1.0
Excavator/Loader	103	80	1.0
Dump Truck	107	80	1.0
Lorry	103	10	1.0

General Site Noisy Activities:

Plant Type	Sound Power Level	% Operating Time	Distance Ratio
Excavator	104	100	1.0
HGV	103	10	1.0
Dumper	104	100	1.0
Telehandler	105	100	1.0
Compressor	95	100	n/a
Generator	103	100	n/a
Mobile Crane	98	100	1.0

Infrastructure Construction:

Plant Type	Sound Power Level	% Operating Time	Distance Ratio
Asphalt Melter	103	80	1.0
Asphalt Spreader	96	80	1.0
Road Roller	102	80	1.0
Lorry	103	20	1.0
Poker Vibrator	106	80	n/a
Concrete pump	103	100	n/a
Compressor	95	100	n/a

Infrastructure Construction (concreting activities):

Plant Type	Sound Power Level	% Operating Time	Distance Ratio
Excavator	106	80	1.0
Truck Mixer	105	80	1.0
Dumper	104	80	1.0
JCB	108	80	1.0
Compressor	105	100	n/a
Poker Vibrator	102	80	n/a
HGV	103	10	n/a

Plant & Facility Construction:

Plant Type	Sound Power Level	% Operating Time	Distance Ratio
Excavator	103	80	1.0
Power Tools (drills, saws)	108	30	1.0
Pump	103	80	1.0
Telehandler	105	100	1.0
HGV	103	20	1.0
Air Tools (cutting/grinding)	107	10	n/a
Crane	106	100	n/a

