



EAST PARK ENERGY

East Park Energy

EN010141

Environmental Statement

Volume 2 – Technical Appendices

Appendix 10-3: Construction Plant Data

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Infrastructure Planning (Applications: Prescribed Forms and
Procedure) Regulations 2009: Regulation 5(2)(a)

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Infrastructure Planning (Applications: Prescribed
Forms and Procedure) Regulations 2009

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Appendix 10-3: Construction Plant Data

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Author:	Noise and Vibration Consultants Ltd

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1.0 CONSTRUCTION PLANT DATA

1.1.1 The construction phase assessment applies the following sound data for construction plant, sourced predominantly from BS5228:2009+A1:2014.

Table 1: Typical Construction Plant Data

Plant Item	Activity Equivalent Continuous Sound Pressure Level LAeq (dB)	Sound Power Level	BS5228:2009+A1:2014 Reference
Mini-Piling Unit	76 @ 10m	104	C.3.17
Mobile Crane	70 @ 10m	98	C.3.30
Wheeled Excavator/Loader	76 @ 10m	104	D.3.61
Grinder	80 @10m	108	C.4.93
Concrete Mixer	77 @ 10m	105-107	C.4.21
Generator	66 @ 10m	94	C.4.78
Poker Vibrator	74 @ 10m	102	D.6.20
Dump Truck	82 @ 10m	110	D.3.60
Vibratory Roller	74 @ 10m	102	C.2.39
Dumper Truck	81 @10m	109	C.2.33
Telehandler	71 @ 10m	99	C.2.35
Skip Lorries	78 @ 10m	106	C.8.21
Wheeled Excavator/Loader	82 @ 10m	110	C.6.33
Water/Fuel Tanker	79 @ 10m	107	C.4.89

Plant Item	Activity Equivalent Continuous Sound Pressure Level LAeq (dB)	Sound Power Level	BS5228:2009+A1:2014 Reference
Tipper Lorries/Low Loader	79 @ 10m	107	C.8.20
Cable Puller	69 @ 10m	96	Library
Horizontal Directional Drilling	75 @ 10m (entry) 87 @ 10m (exit)	103 115	Alaska LNG