

APPENDIX 9.3 – DETAILED CONSTRUCTION NOISE PREDICTIONS

1. TABLE OF PLANT AND PREDICTED NOISE LEVELS

Plant	Description	Irish Grid Coordinates		Height above ground (m)	Predicted L _{Aeq} (receiver height of 4 m)			
		Easting	Northing		NSL1	NSL2	NSL3	NSL4
21 tonne excavator	Excavator 1 - Slab A	197326	224913	0.5	-6.4	-1.1	-6.6	0
21 tonne excavator	Excavator 2 - Slab A	197360	224895	0.5	-5.5	-10.1	-7.2	0.7
21 tonne excavator	Excavator 1 - Slab B	197609	224728	0.5	6	-6.1	-10.6	8.7
21 tonne excavator	Excavator 2 - Slab B	197645	224678	0.5	4.5	-6.8	-13.9	8.2
21 tonne excavator	Excavator - Pellet Silo	197310	224923	0.5	-7	-0.7	-6.4	-0.3
6 tonne dumper	Dumper 1 - Slab A	197337	224905	0.5	-7.3	-12.2	-7.9	-0.6
9 tonne dumper	Dumper 1 - Slab B	197630	224697	0.5	5.3	-6.6	-14.5	8.8
9 tonne dumper	Dumper - Pellet Silo	197311	224928	0.5	-7.4	-0.8	-6.5	-0.4
28 tonne dumper	Dumper 2 - Slab A	197342	224903	0.5	4.3	-0.7	3.1	10.8
28 tonne dumper	Dumper 2 - Slab B	197635	224689	0.5	15.6	3.3	-4.8	19.5
Telehandler	Telehandler - Slab A	197346	224901	0.5	-9	-15.8	-12.2	-1.2
Telehandler	Telehandler - Slab B	197639	224688	0.5	4.9	-12.1	-21	9.6
Telehandler	Telehandler - Pellet Silo	197310	224918	0.5	-10	-3	-11.4	-2.3
CFA piling rig	Piling Rig - Slab A	197345	224906	0.5	-2.4	-7.1	-3.5	3.3
CFA piling rig	Piling Rig - Slab B	197637	224693	0.5	8.6	-3.1	-9.7	12.3
CFA piling rig	Piling Rig - Pellet Silo	197314	224919	0.5	-3.1	2.1	-3.1	2.7
Concrete Pump	Pump - Slab A	197347	224904	0.5	-6.5	-11.2	-7.7	-0.7
Concrete Pump	Pump - Slab B	197637	224684	0.5	4	-7.4	-14.4	7.6
Concrete Pump	Pump - Pellet Silo	197314	224923	0.5	-7.6	-1.9	-7.2	-1.4

5 Tonne Roller	Roller - Slab A	197340	224907	0.5	-8.3	-13.7	-8.8	-0.9
5 Tonne Roller	Roller - Slab B	197641	224683	0.5	2.8	-9	-17.3	6.6
5 Tonne Roller	Roller - Pellet Silo	197315	224928	0.5	-9.8	-1.9	-8.3	-1.5
Lorry with lifting boom 50kW	Grab Lorry (Slab B - Decommissioning)	197645	224702	0.5	5	-6.8	-11.5	9.1
Poker vibrator	Poker - Slab B	197631	224692	0.5	6.5	-4.6	-13.1	10.1
Poker vibrator	Poker - Slab A	197349	224901	0.5	-4.2	-8.8	-4.8	2.4