

APPENDIX 10.5
CONSTRUCTION NOISE CALCULATIONS

Calculation 2a

Description	No. of Plant	SWL [dB(A)]	Closest Distance [m]	Percentage on time (1.0 = 100%)	ADJUSTMENT (dB(A))					Resultant Noise Level dB(A)
					Distance Correction dB	No. of Plant Correction	Screening Correction dB	Reflection Correction dB	Duration Correction dB	
Bulldozer	2	103	10	80%	-28.0	3.0	0	3	-0.97	80.0
Concrete crusher	2	110	10	80%	-28.0	3.0	0	3	-0.97	87.0
Concrete splitter	1	111	10	30%	-28.0	0.0	0	3	-5.23	80.8
Concrete saw	1	119	10	30%	-28.0	0.0	0	3	-5.23	88.8
Hand held tools	5	103	10	50%	-28.0	7.0	0	3	-3.01	82.0
Tracked excavators	1	103	10	80%	-28.0	0.0	0	3	-0.97	77.0
Breaker	1	111	10	30%	-28.0	0.0	0	3	-5.23	80.8
Diesel generators	2	88	10	100%	-28.0	3.0	0	3	0.00	66.0
Access platform	2	95	10	10%	-28.0	3.0	0	3	-10.00	63.0
HGV	1	108	10	10%	-28.0	0.0	0	3	-10.00	73.0
Activity Noise Level									93	

Calculation 3

Description	No. of Plant	SWL [dB(A)]	Closest Distance [m]	Percentage on time (1.0 = 100%)	ADJUSTMENT (dB(A))					Resultant Noise Level dB(A)
					Distance Correction dB	No. of Plant Correction	Screening Correction dB	Reflection Correction dB	Duration Correction dB	
CFA	1	105	155	50%	-51.8	0.0	0	3	-3.01	53.2
Activity Noise Level									53	

Calculation 4

Description	No. of Plant	SWL [dB(A)]	Closest Distance [m]	Percentage on time (1.0 = 100%)	ADJUSTMENT (dB(A))					Resultant Noise Level dB(A)
					Distance Correction dB	No. of Plant Correction	Screening Correction dB	Reflection Correction dB	Duration Correction dB	
CFA	1	105	84	50%	-46.5	0.0	0	3	-3.01	58.5
Activity Noise Level									59	

Calculation 4a

Description	No. of Plant	SWL [dB(A)]	Closest Distance [m]	Percentage on time (1.0 = 100%)	ADJUSTMENT (dB(A))					Resultant Noise Level dB(A)
					Distance Correction dB	No. of Plant Correction	Screening Correction dB	Reflection Correction dB	Duration Correction dB	
CFA	1	105	10	50%	-28.0	0.0	0	3	-3.01	77.0
Activity Noise Level									77	

Calculation 5

Description	No. of Plant	SWL [dB(A)]	Closest Distance [m]	Percentage on time (1.0 = 100%)	ADJUSTMENT (dB(A))					Resultant Noise Level dB(A)
					Distance Correction dB	No. of Plant Correction	Screening Correction dB	Reflection Correction dB	Duration Correction dB	
Concrete silo and ready mix lor	6	103	155	60%	-51.8	7.8	0	3	-2.22	59.8
Diesel generators	12	88	155	100%	-51.8	10.8	0	3	0.00	50.0
Concrete pumps	12	95	155	100%	-51.8	10.8	0	3	0.00	57.0
Hydraulic cutters	6	111	155	60%	-51.8	7.8	0	3	-2.22	67.8
Hydraulic access platofm	6	95	155	60%	-51.8	7.8	0	3	-2.22	51.8
HGV	1	108	155	25%	-51.8	0.0	0	3	-6.02	53.2
Activity Noise Level									69	

Calculation 6

Description	No. of Plant	SWL [dB(A)]	Closest Distance [m]	Percentage on time (1.0 = 100%)	ADJUSTMENT (dB(A))					Resultant Noise Level dB(A)
					Distance Correction dB	No. of Plant Correction	Screening Correction dB	Reflection Correction dB	Duration Correction dB	
Concrete silo and ready mix lor	6	103	84	60%	-46.5	7.8	0	3	-2.22	65.1
Diesel generators	12	88	84	100%	-46.5	10.8	0	3	0.00	55.3
Concrete pumps	12	95	84	100%	-46.5	10.8	0	3	0.00	62.3
Hydraulic cutters	6	111	84	60%	-46.5	7.8	0	3	-2.22	73.1
Hydraulic access platofm	6	95	84	60%	-46.5	7.8	0	3	-2.22	57.1
HGV	1	108	84	25%	-46.5	0.0	0	3	-6.02	58.5
Activity Noise Level									74	

Calculation 7

Description	No. of Plant	SWL [dB(A)]	Closest Distance [m]	Percentage on time (1.0 = 100%)	ADJUSTMENT (dB(A))					Resultant Noise Level dB(A)
					Distance Correction dB	No. of Plant Correction	Screening Correction dB	Reflection Correction dB	Duration Correction dB	
Mobile crane	6	105	75	60%	-45.5	7.8	0	3	-2.22	68.1
Hand held tools	6	103	75	60%	-45.5	7.8	0	3	-2.22	66.1
Diesel generators	12	88	75	100%	-45.5	10.8	0	3	0.00	56.3
Hydraulic cutters	6	111	75	60%	-45.5	7.8	0	3	-2.22	74.1
Hydraulic access platrofm	6	95	75	60%	-45.5	7.8	0	3	-2.22	58.1
Concrete pumps	12	95	75	100%	-45.5	10.8	0	3	0.00	63.3
HGV	1	108	75	5%	-45.5	0.0	0	3	-13.01	52.5
Activity Noise Level									76	

Calculation 8

Description	No. of Plant	SWL [dB(A)]	Closest Distance [m]	Percentage on time (1.0 = 100%)	ADJUSTMENT (dB(A))					Resultant Noise Level dB(A)
					Distance Correction dB	No. of Plant Correction	Screening Correction dB	Reflection Correction dB	Duration Correction dB	
Mobile crane	6	105	74	60%	-45.4	7.8	0	3	-2.22	68.2
Hand held tools	6	103	74	60%	-45.4	7.8	0	3	-2.22	66.2
Diesel generators	12	88	74	100%	-45.4	10.8	0	3	0.00	56.4
Hydraulic cutters	6	111	74	60%	-45.4	7.8	0	3	-2.22	74.2
Hydraulic access platofm	6	95	74	60%	-45.4	7.8	0	3	-2.22	58.2
Concrete pumps	12	95	74	100%	-45.4	10.8	0	3	0.00	63.4
HGV	1	108	74	5%	-45.4	0.0	0	3	-13.01	52.6
Activity Noise Level									76	

Calculation 9

Description	No. of Plant	SWL [dB(A)]	Closest Distance [m]	Percentage on time (1.0 = 100%)	ADJUSTMENT (dB(A))					Resultant Noise Level dB(A)
					Distance Correction dB	No. of Plant Correction	Screening Correction dB	Reflection Correction dB	Duration Correction dB	
Mobile crane	6	105	75	60%	-45.5	7.8	0	3	-2.22	68.1
Hand held tools	6	103	75	60%	-45.5	7.8	0	3	-2.22	66.1
Diesel generators	12	88	75	100%	-45.5	10.8	0	3	0.00	56.3
Hydraulic cutters	6	111	75	60%	-45.5	7.8	0	3	-2.22	74.1
Hydraulic access platofm	6	95	75	60%	-45.5	7.8	0	3	-2.22	58.1
Concrete pumps	12	95	75	100%	-45.5	10.8	0	3	0.00	63.3
HGV	1	108	75	5%	-45.5	0.0	0	3	-13.01	52.5
Activity Noise Level									76	

Calculation 10

Description	No. of Plant	SWL [dB(A)]	Closest Distance [m]	Percentage on time (1.0 = 100%)	ADJUSTMENT (dB(A))					Resultant Noise Level dB(A)
					Distance Correction dB	No. of Plant Correction	Screening Correction dB	Reflection Correction dB	Duration Correction dB	
Mobile crane	6	105	114	60%	-49.1	7.8	0	3	-2.22	64.4
Hand held tools	6	103	114	60%	-49.1	7.8	-10	3	-2.22	52.4
Diesel generators	12	88	114	100%	-49.1	10.8	-10	3	0.00	42.7
Hydraulic cutters	6	111	114	60%	-49.1	7.8	-10	3	-2.22	60.4
Hydraulic access platofm	6	95	114	60%	-49.1	7.8	-10	3	-2.22	44.4
Concrete pumps	12	95	114	100%	-49.1	10.8	-10	3	0.00	49.7
HGV	1	108	114	5%	-49.1	0.0	0	3	-13.01	48.9
Activity Noise Level									66	

Calculation 11

Description	No. of Plant	SWL [dB(A)]	Closest Distance [m]	Percentage on time (1.0 = 100%)	ADJUSTMENT (dB(A))					Resultant Noise Level dB(A)
					Distance Correction dB	No. of Plant Correction	Screening Correction dB	Reflection Correction dB	Duration Correction dB	
Mobile crane	6	105	33	60%	-38.4	7.8	0	3	-2.22	75.2
Hand held tools	6	103	33	60%	-38.4	7.8	0	3	-2.22	73.2
Diesel generators	12	88	33	100%	-38.4	10.8	0	3	0.00	63.4
Hydraulic cutters	6	111	33	60%	-38.4	7.8	0	3	-2.22	81.2
Hydraulic access platrofm	6	95	33	60%	-38.4	7.8	0	3	-2.22	65.2
Concrete pumps	12	95	33	100%	-38.4	10.8	0	3	0.00	70.4
HGV	1	108	33	5%	-38.4	0.0	0	3	-13.01	59.6
Activity Noise Level									83	

Calculation 11a

Description	No. of Plant	SWL [dB(A)]	Closest Distance [m]	Percentage on time (1.0 = 100%)	ADJUSTMENT (dB(A))					Resultant Noise Level dB(A)
					Distance Correction dB	No. of Plant Correction	Screening Correction dB	Reflection Correction dB	Duration Correction dB	
Mobile crane	6	105	70	60%	-44.9	7.8	0	3	-2.22	68.7
Hand held tools	6	103	70	60%	-44.9	7.8	0	3	-2.22	66.7
Diesel generators	12	88	70	100%	-44.9	10.8	0	3	0.00	56.9
Hydraulic cutters	6	111	70	60%	-44.9	7.8	0	3	-2.22	74.7
Hydraulic access platrofm	6	95	70	60%	-44.9	7.8	0	3	-2.22	58.7
Concrete pumps	12	95	70	100%	-44.9	10.8	0	3	0.00	63.9
HGV	1	108	70	5%	-44.9	0.0	0	3	-13.01	53.1
Activity Noise Level									77	

Calculation 12

Description	No. of Plant	SWL [dB(A)]	Closest Distance [m]	Percentage on time (1.0 = 100%)	ADJUSTMENT (dB(A))					Resultant Noise Level dB(A)
					Distance Correction dB	No. of Plant Correction	Screening Correction dB	Reflection Correction dB	Duration Correction dB	
Mobile crane	6	105	121	60%	-49.7	7.8	0	3	-2.22	63.9
Hand held tools	6	103	121	60%	-49.7	7.8	0	3	-2.22	61.9
Diesel generators	12	88	121	100%	-49.7	10.8	0	3	0.00	52.1
Hydraulic cutters	6	111	121	60%	-49.7	7.8	0	3	-2.22	69.9
Hydraulic access platofm	6	95	121	60%	-49.7	7.8	0	3	-2.22	53.9
Concrete pumps	12	95	121	100%	-49.7	10.8	0	3	0.00	59.1
HGV	1	108	121	5%	-49.7	0.0	0	3	-13.01	48.3
Activity Noise Level									72	

Calculation 13

Description	No. of Plant	SWL [dB(A)]	Closest Distance [m]	Percentage on time (1.0 = 100%)	ADJUSTMENT (dB(A))					Resultant Noise Level dB(A)
					Distance Correction dB	No. of Plant Correction	Screening Correction dB	Reflection Correction dB	Duration Correction dB	
Mobile crane	6	105	140	60%	-50.9	7.8	0	3	-2.22	62.6
Hand held tools	6	103	140	60%	-50.9	7.8	0	3	-2.22	60.6
Diesel generators	12	88	140	100%	-50.9	10.8	0	3	0.00	50.9
Hydraulic cutters	6	111	140	60%	-50.9	7.8	0	3	-2.22	68.6
Hydraulic access platrofm	6	95	140	60%	-50.9	7.8	0	3	-2.22	52.6
Concrete pumps	12	95	140	100%	-50.9	10.8	0	3	0.00	57.9
HGV	1	108	140	5%	-50.9	0.0	0	3	-13.01	47.1
Activity Noise Level									71	

Calculation 14

Description	No. of Plant	SWL [dB(A)]	Closest Distance [m]	Percentage on time (1.0 = 100%)	ADJUSTMENT (dB(A))					Resultant Noise Level dB(A)
					Distance Correction dB	No. of Plant Correction	Screening Correction dB	Reflection Correction dB	Duration Correction dB	
Mobile crane	6	105	67	60%	-44.5	7.8	0	3	-2.22	69.0
Hand held tools	6	103	67	60%	-44.5	7.8	0	3	-2.22	67.0
Diesel generators	12	88	67	100%	-44.5	10.8	0	3	0.00	57.3
Hydraulic cutters	6	111	67	60%	-44.5	7.8	0	3	-2.22	75.0
Hydraulic access platofm	6	95	67	60%	-44.5	7.8	0	3	-2.22	59.0
Concrete pumps	12	95	67	100%	-44.5	10.8	0	3	0.00	64.3
HGV	1	108	67	5%	-44.5	0.0	0	3	-13.01	53.5
Activity Noise Level									77	

Calculation 15

Description	No. of Plant	SWL [dB(A)]	Closest Distance [m]	Percentage on time (1.0 = 100%)	ADJUSTMENT (dB(A))					Resultant Noise Level dB(A)
					Distance Correction dB	No. of Plant Correction	Screening Correction dB	Reflection Correction dB	Duration Correction dB	
Mobile crane	6	105	32	60%	-38.1	7.8	0	3	-2.22	75.5
Hand held tools	6	103	32	60%	-38.1	7.8	0	3	-2.22	73.5
Diesel generators	12	88	32	100%	-38.1	10.8	0	3	0.00	63.7
Hydraulic cutters	6	111	32	60%	-38.1	7.8	0	3	-2.22	81.5
Hydraulic access platrofm	6	95	32	60%	-38.1	7.8	0	3	-2.22	65.5
Concrete pumps	12	95	32	100%	-38.1	10.8	0	3	0.00	70.7
HGV	1	108	32	5%	-38.1	0.0	0	3	-13.01	59.9
Activity Noise Level									83	

Calculation 16

Description	No. of Plant	SWL [dB(A)]	Closest Distance [m]	Percentage on time (1.0 = 100%)	ADJUSTMENT (dB(A))					Resultant Noise Level dB(A)
					Distance Correction dB	No. of Plant Correction	Screening Correction dB	Reflection Correction dB	Duration Correction dB	
Mobile crane	6	105	72	60%	-45.1	7.8	0	3	-2.22	68.4
Hand held tools	6	103	72	60%	-45.1	7.8	0	3	-2.22	66.4
Diesel generators	12	88	72	100%	-45.1	10.8	0	3	0.00	56.6
Hydraulic cutters	6	111	72	60%	-45.1	7.8	0	3	-2.22	74.4
Hydraulic access platofm	6	95	72	60%	-45.1	7.8	0	3	-2.22	58.4
Concrete pumps	12	95	72	100%	-45.1	10.8	0	3	0.00	63.6
HGV	1	108	72	5%	-45.1	0.0	0	3	-13.01	52.8
Activity Noise Level									76	

Calculation 17

Description	No. of Plant	SWL [dB(A)]	Closest Distance [m]	Percentage on time (1.0 = 100%)	ADJUSTMENT (dB(A))					Resultant Noise Level dB(A)
					Distance Correction dB	No. of Plant Correction	Screening Correction dB	Reflection Correction dB	Duration Correction dB	
Mobile crane	6	105	155	60%	-51.8	7.8	-10	3	-2.22	51.8
Hand held tools	6	103	155	60%	-51.8	7.8	-10	3	-2.22	49.8
Diesel generators	12	88	155	100%	-51.8	10.8	-10	3	0.00	40.0
Hydraulic cutters	6	111	155	60%	-51.8	7.8	-10	3	-2.22	57.8
Hydraulic access platofm	6	95	155	60%	-51.8	7.8	-10	3	-2.22	41.8
Concrete pumps	12	95	155	100%	-51.8	10.8	-10	3	0.00	47.0
HGV	1	108	155	5%	-51.8	0.0	-10	3	-13.01	36.2
Activity Noise Level									60	

Calculation 18

Description	No. of Plant	SWL [dB(A)]	Closest Distance [m]	Percentage on time (1.0 = 100%)	ADJUSTMENT (dB(A))					Resultant Noise Level dB(A)
					Distance Correction dB	No. of Plant Correction	Screening Correction dB	Reflection Correction dB	Duration Correction dB	
Mobile crane	6	105	80	60%	-46.1	7.8	-10	3	-2.22	57.5
Hand held tools	6	103	80	60%	-46.1	7.8	-10	3	-2.22	55.5
Diesel generators	12	88	80	100%	-46.1	10.8	-10	3	0.00	45.7
Hydraulic cutters	6	111	80	60%	-46.1	7.8	-10	3	-2.22	63.5
Hydraulic access platofm	6	95	80	60%	-46.1	7.8	-10	3	-2.22	47.5
Concrete pumps	12	95	80	100%	-46.1	10.8	-10	3	0.00	52.7
HGV	1	108	80	5%	-46.1	0.0	-10	3	-13.01	41.9
Activity Noise Level									65	

Calculation 19

Description	No. of Plant	SWL [dB(A)]	Closest Distance [m]	Percentage on time (1.0 = 100%)	ADJUSTMENT (dB(A))					Resultant Noise Level dB(A)
					Distance Correction dB	No. of Plant Correction	Screening Correction dB	Reflection Correction dB	Duration Correction dB	
Mobile crane	6	105	31	60%	-37.8	7.8	0	3	-2.22	75.7
Hand held tools	6	103	31	60%	-37.8	7.8	0	3	-2.22	73.7
Diesel generators	12	88	31	100%	-37.8	10.8	0	3	0.00	64.0
Hydraulic cutters	6	111	31	60%	-37.8	7.8	0	3	-2.22	81.7
Hydraulic access platofm	6	95	31	60%	-37.8	7.8	0	3	-2.22	65.7
Concrete pumps	12	95	31	100%	-37.8	10.8	0	3	0.00	71.0
HGV	1	108	31	5%	-37.8	0.0	0	3	-13.01	60.2
Activity Noise Level									84	

Calculation 20

Description	No. of Plant	SWL [dB(A)]	Closest Distance [m]	Percentage on time (1.0 = 100%)	ADJUSTMENT (dB(A))					Resultant Noise Level dB(A)
					Distance Correction dB	No. of Plant Correction	Screening Correction dB	Reflection Correction dB	Duration Correction dB	
Mobile crane	6	105	50	60%	-42.0	7.8	0	3	-2.22	71.6
Hand held tools	6	103	50	60%	-42.0	7.8	0	3	-2.22	69.6
Diesel generators	12	88	50	100%	-42.0	10.8	0	3	0.00	59.8
Hydraulic cutters	6	111	50	60%	-42.0	7.8	0	3	-2.22	77.6
Hydraulic access platofm	6	95	50	60%	-42.0	7.8	0	3	-2.22	61.6
Concrete pumps	12	95	50	100%	-42.0	10.8	0	3	0.00	66.8
HGV	1	108	50	5%	-42.0	0.0	0	3	-13.01	56.0
Activity Noise Level									79	

Calculation 21

Description	No. of Plant	SWL [dB(A)]	Closest Distance [m]	Percentage on time (1.0 = 100%)	ADJUSTMENT (dB(A))					Resultant Noise Level dB(A)
					Distance Correction dB	No. of Plant Correction	Screening Correction dB	Reflection Correction dB	Duration Correction dB	
Mobile crane	6	105	81	60%	-46.2	7.8	0	3	-2.22	67.4
Hand held tools	6	103	81	60%	-46.2	7.8	0	3	-2.22	65.4
Diesel generators	12	88	81	100%	-46.2	10.8	0	3	0.00	55.6
Hydraulic cutters	6	111	81	60%	-46.2	7.8	0	3	-2.22	73.4
Hydraulic access platofm	6	95	81	60%	-46.2	7.8	0	3	-2.22	57.4
Concrete pumps	12	95	81	100%	-46.2	10.8	0	3	0.00	62.6
HGV	1	108	81	5%	-46.2	0.0	0	3	-13.01	51.8
Activity Noise Level									75	

Calculation 22

Description	No. of Plant	SWL [dB(A)]	Closest Distance [m]	Percentage on time (1.0 = 100%)	ADJUSTMENT (dB(A))					Resultant Noise Level dB(A)
					Distance Correction dB	No. of Plant Correction	Screening Correction dB	Reflection Correction dB	Duration Correction dB	
Mobile crane	6	105	198	60%	-53.9	7.8	-10	3	-2.22	49.6
Hand held tools	6	103	198	60%	-53.9	7.8	-10	3	-2.22	47.6
Diesel generators	12	88	198	100%	-53.9	10.8	-10	3	0.00	37.9
Hydraulic cutters	6	111	198	60%	-53.9	7.8	-10	3	-2.22	55.6
Hydraulic access platofm	6	95	198	60%	-53.9	7.8	-10	3	-2.22	39.6
Concrete pumps	12	95	198	100%	-53.9	10.8	-10	3	0.00	44.9
HGV	1	108	198	5%	-53.9	0.0	-10	3	-13.01	34.1
Activity Noise Level									58	

Calculation 23

Description	No. of Plant	SWL [dB(A)]	Closest Distance [m]	Percentage on time (1.0 = 100%)	ADJUSTMENT (dB(A))					Resultant Noise Level dB(A)
					Distance Correction dB	No. of Plant Correction	Screening Correction dB	Reflection Correction dB	Duration Correction dB	
Mobile crane	6	105	122	60%	-49.7	7.8	0	3	-2.22	63.8
Hand held tools	6	103	122	60%	-49.7	7.8	0	3	-2.22	61.8
Diesel generators	12	88	122	100%	-49.7	10.8	0	3	0.00	52.1
Hydraulic cutters	6	111	122	60%	-49.7	7.8	0	3	-2.22	69.8
Hydraulic access platofm	6	95	122	60%	-49.7	7.8	0	3	-2.22	53.8
Concrete pumps	12	95	122	100%	-49.7	10.8	0	3	0.00	59.1
HGV	1	108	122	5%	-49.7	0.0	0	3	-13.01	48.3
Activity Noise Level									72	

Calculation 24

Description	No. of Plant	SWL [dB(A)]	Closest Distance [m]	Percentage on time (1.0 = 100%)	ADJUSTMENT (dB(A))					Resultant Noise Level dB(A)
					Distance Correction dB	No. of Plant Correction	Screening Correction dB	Reflection Correction dB	Duration Correction dB	
Mobile crane	6	105	84	60%	-46.5	7.8	0	3	-2.22	67.1
Hand held tools	6	103	84	60%	-46.5	7.8	0	3	-2.22	65.1
Diesel generators	12	88	84	100%	-46.5	10.8	0	3	0.00	55.3
Hydraulic cutters	6	111	84	60%	-46.5	7.8	0	3	-2.22	73.1
Hydraulic access platrofm	6	95	84	60%	-46.5	7.8	0	3	-2.22	57.1
Concrete pumps	12	95	84	100%	-46.5	10.8	0	3	0.00	62.3
HGV	1	108	84	5%	-46.5	0.0	0	3	-13.01	51.5
Activity Noise Level									75	

Calculation 25

Description	No. of Plant	SWL [dB(A)]	Closest Distance [m]	Percentage on time (1.0 = 100%)	ADJUSTMENT (dB(A))					Resultant Noise Level dB(A)
					Distance Correction dB	No. of Plant Correction	Screening Correction dB	Reflection Correction dB	Duration Correction dB	
Mobile crane	6	105	39	60%	-39.8	7.8	0	3	-2.22	73.7
Hand held tools	6	103	39	60%	-39.8	7.8	0	3	-2.22	71.7
Diesel generators	12	88	39	100%	-39.8	10.8	0	3	0.00	62.0
Hydraulic cutters	6	111	39	60%	-39.8	7.8	0	3	-2.22	79.7
Hydraulic access platofm	6	95	39	60%	-39.8	7.8	0	3	-2.22	63.7
Concrete pumps	12	95	39	100%	-39.8	10.8	0	3	0.00	69.0
HGV	1	108	39	5%	-39.8	0.0	0	3	-13.01	58.2
Activity Noise Level									82	

Calculation 26

Description	No. of Plant	SWL [dB(A)]	Closest Distance [m]	Percentage on time (1.0 = 100%)	ADJUSTMENT (dB(A))					Resultant Noise Level dB(A)
					Distance Correction dB	No. of Plant Correction	Screening Correction dB	Reflection Correction dB	Duration Correction dB	
Mobile crane	6	105	44	60%	-40.9	7.8	0	3	-2.22	72.7
Hand held tools	6	103	44	60%	-40.9	7.8	0	3	-2.22	70.7
Diesel generators	12	88	44	100%	-40.9	10.8	0	3	0.00	60.9
Hydraulic cutters	6	111	44	60%	-40.9	7.8	0	3	-2.22	78.7
Hydraulic access platrofm	6	95	44	60%	-40.9	7.8	0	3	-2.22	62.7
Concrete pumps	12	95	44	100%	-40.9	10.8	0	3	0.00	67.9
HGV	1	108	44	5%	-40.9	0.0	0	3	-13.01	57.1
Activity Noise Level									81	