



APPENDIX 9-2

NOISE MODEL OUTPUT

Appendix 9.2: Noise model output

1: Pre-mitigation

Receiver	Position	Stage	Source	SPL 10 m d	Screening Kh	Ks	Applied	Bar	Lrec	PWR	% on	Corr	Ltotal
Church Hills NE	Rear garden	Nearest dwelling build	Telescopic handler	71	80 Wall	18.0618	20.57725	18.0618	10	42.9382	19670.71	10	1967.071
Church Hills NE	Rear garden	Nearest dwelling build	Delivery truck	79	80 Wall	18.0618	20.57725	18.0618	10	50.9382	124113.8	10	12411.38
Church Hills NE	Rear garden	Nearest dwelling build	Discharging mixer truck	75	80 Wall	18.0618	20.57725	18.0618	10	46.9382	49410.59	20	9882.118
Church Hills NE	Rear garden	Nearest dwelling build	Tracked excavator	76	80 Wall	18.0618	20.57725	18.0618	10	47.9382	62204.25	80	49763.4
Church Hills NE	Rear garden	Nearest dwelling build	Dumper	76	80 Wall	18.0618	20.57725	18.0618	10	47.9382	62204.25	20	12440.85
													86464.81
													49
Church Hills NE	Upper facades	Nearest dwelling build	Telescopic handler	71	80 None	18.0618	20.57725	20.57725	0	50.42275	110223.7	10	11022.37
Church Hills NE	Upper facades	Nearest dwelling build	Delivery truck	79	80 None	18.0618	20.57725	20.57725	0	58.42275	695464.6	10	69546.46
Church Hills NE	Upper facades	Nearest dwelling build	Discharging mixer truck	75	80 None	18.0618	20.57725	20.57725	0	54.42275	276869.4	20	55373.89
Church Hills NE	Upper facades	Nearest dwelling build	Tracked excavator	76	80 None	18.0618	20.57725	20.57725	0	55.42275	348558	80	278846.4
Church Hills NE	Upper facades	Nearest dwelling build	Dumper	76	80 None	18.0618	20.57725	20.57725	0	55.42275	348558	20	69711.6
													484500.7
													57
Church Hills NE	Rear garden	Landscaping	Exacavator	76	20 Wall	6.0206	5.52575	6.0206	10	59.9794	995267.9	80	796214.3
													796214.3
													59
Church Hills NE	Upper facades	Landscaping	Exacavator	76	20 None	6.0206	5.52575	5.52575	0	70.47425	11153855	80	8923084
													8923084
													70
Church Hills SE	Rear garden	Nearest dwelling build	Telescopic handler	71	100 Wall	20	23	20	10	41	12589.25	10	1258.925
Church Hills SE	Rear garden	Nearest dwelling build	Delivery truck	79	100 Wall	20	23	20	10	49	79432.82	10	7943.282
Church Hills SE	Rear garden	Nearest dwelling build	Discharging mixer truck	75	100 Wall	20	23	20	10	45	31622.78	20	6324.555
Church Hills SE	Rear garden	Nearest dwelling build	Tracked excavator	76	100 Wall	20	23	20	10	46	39810.72	80	31848.57
Church Hills SE	Rear garden	Nearest dwelling build	Dumper	76	100 Wall	20	23	20	10	46	39810.72	20	7962.143
													55337.48
													47
Church Hills SE	Upper facades	Nearest dwelling build	Telescopic handler	71	100 None	20	23	23	0	48	63095.73	10	6309.573
Church Hills SE	Upper facades	Nearest dwelling build	Delivery truck	79	100 None	20	23	23	0	56	398107.2	10	39810.72
Church Hills SE	Upper facades	Nearest dwelling build	Discharging mixer truck	75	100 None	20	23	23	0	52	158489.3	20	31697.86
Church Hills SE	Upper facades	Nearest dwelling build	Tracked excavator	76	100 None	20	23	23	0	53	199526.2	80	159621
Church Hills SE	Upper facades	Nearest dwelling build	Dumper	76	100 None	20	23	23	0	53	199526.2	20	39905.25
													277344.4
													54
Church Hills SE	Rear garden	Landscaping	Exacavator	76	20 Wall	6.0206	5.52575	6.0206	10	59.9794	995267.9	80	796214.3
													796214.3
													59
Church Hills SE	Upper facades	Landscaping	Exacavator	76	20 None	6.0206	5.52575	5.52575	0	70.47425	11153855	80	8923084
													8923084
													70
Churchfields W	Rear garden	Nearest dwelling build	Telescopic handler	71	80 Wall	18.0618	20.57725	18.0618	10	42.9382	19670.71	10	1967.071
Churchfields W	Rear garden	Nearest dwelling build	Delivery truck	79	80 Wall	18.0618	20.57725	18.0618	10	50.9382	124113.8	10	12411.38
Churchfields W	Rear garden	Nearest dwelling build	Discharging mixer truck	75	80 Wall	18.0618	20.57725	18.0618	10	46.9382	49410.59	20	9882.118
Churchfields W	Rear garden	Nearest dwelling build	Tracked excavator	76	80 Wall	18.0618	20.57725	18.0618	10	47.9382	62204.25	80	49763.4
Churchfields W	Rear garden	Nearest dwelling build	Dumper	76	80 Wall	18.0618	20.57725	18.0618	10	47.9382	62204.25	20	12440.85
													86464.81
													49
Churchfields W	Upper facades	Nearest dwelling build	Telescopic handler	71	80 None	18.0618	20.57725	20.57725	0	50.42275	110223.7	10	11022.37
Churchfields W	Upper facades	Nearest dwelling build	Delivery truck	79	80 None	18.0618	20.57725	20.57725	0	58.42275	695464.6	10	69546.46
Churchfields W	Upper facades	Nearest dwelling build	Discharging mixer truck	75	80 None	18.0618	20.57725	20.57725	0	54.42275	276869.4	20	55373.89
Churchfields W	Upper facades	Nearest dwelling build	Tracked excavator	76	80 None	18.0618	20.57725	20.57725	0	55.42275	348558	80	278846.4
Churchfields W	Upper facades	Nearest dwelling build	Dumper	76	80 None	18.0618	20.57725	20.57725	0	55.42275	348558	20	69711.6
													484500.7
													57
Churchfields W	Rear garden	Landscaping	Exacavator	76	20 Wall	6.0206	5.52575	6.0206	10	59.9794	995267.9	80	796214.3
													796214.3
													59
Churchfields W	Upper facades	Landscaping	Exacavator	76	20 None	6.0206	5.52575	5.52575	0	70.47425	11153855	80	8923084
													8923084
													70
Churchfields E	Rear garden	Nearest dwelling build	Telescopic handler	71	40 Wall	12.0412	13.0515	12.0412	10	48.9588	78682.84	10	7868.284
Churchfields E	Rear garden	Nearest dwelling build	Delivery truck	79	40 Wall	12.0412	13.0515	12.0412	10	56.9588	496455.1	10	49645.51
Churchfields E	Rear garden	Nearest dwelling build	Discharging mixer truck	75	40 Wall	12.0412	13.0515	12.0412	10	52.9588	197642.4	20	39528.47
Churchfields E	Rear garden	Nearest dwelling build	Tracked excavator	76	40 Wall	12.0412	13.0515	12.0412	10	53.9588	248817	80	199053.6
Churchfields E	Rear garden	Nearest dwelling build	Dumper	76	40 Wall	12.0412	13.0515	12.0412	10	53.9588	248817	20	49763.4
													345859.3
													55
Churchfields E	Upper facades	Nearest dwelling build	Telescopic handler	71	40 None	12.0412	13.0515	13.0515	0	57.9485	623519.5	10	62351.95
Churchfields E	Upper facades	Nearest dwelling build	Delivery truck	79	40 None	12.0412	13.0515	13.0515	0	65.9485	393414.2	10	39341.42
Churchfields E	Upper facades	Nearest dwelling build	Discharging mixer truck	75	40 None	12.0412	13.0515	13.0515	0	61.9485	1566210	20	31324.2
Churchfields E	Upper facades	Nearest dwelling build	Tracked excavator	76	40 None	12.0412	13.0515	13.0515	0	62.9485	1971742	80	1577393
Churchfields E	Upper facades	Nearest dwelling build	Dumper	76	40 None	12.0412	13.0515	13.0515	0	62.9485	1971742	20	394348.3
													2740750
													64
Churchfields E	Rear garden	Landscaping	Exacavator	76	40 Wall	12.0412	13.0515	12.0412	10	53.9588	248817	80	199053.6
													199053.6
													53
Churchfields E	Upper facades	Landscaping	Exacavator	76	40 None	12.0412	13.0515	13.0515	0	62.9485	1971742	80	1577393
													1577393
													62
Detached hse SW corner	Rear garden	Nearest dwelling build	Telescopic handler	71	15 None	3.521825	2.402281	2.402281	0	68.59772	7240555	10	724055.5
Detached hse SW corner	Rear garden	Nearest dwelling build	Delivery truck	79	15 None	3.521825	2.402281	2.402281	0	76.59772	45684813	10	4568481
Detached hse SW corner	Rear garden	Nearest dwelling build	Discharging mixer truck	75	15 None	3.521825	2.402281	2.402281	0	72.59772	18187452	20	3637490
Detached hse SW corner	Rear garden	Nearest dwelling build	Tracked excavator	76	15 None	3.521825	2.402281	2.402281	0	73.59772	22896645	80	18317316
Detached hse SW corner	Rear garden	Nearest dwelling build	Dumper	76	15 None	3.521825	2.402281	2.402281	0	73.59772	22896645	20	4579329
													31826672
													75
Detached hse SW corner	Rear garden	Landscaping	Exacavator	76	10 None	0	-2	0	0	76	39810717	80	31848574
													31848574
													75
Dwellings S side Coosan Rd	Upper facades	Nearest dwelling build	Telescopic handler	71	50 None	13.9794	15.47425	15.47425	0	55.52575	356923.4	10	35692.34
Dwellings S side Coosan Rd	Upper facades	Nearest dwelling build	Delivery truck	79	50 None	13.9794	15.47425	15.47425	0	63.52575	2252034	10	225203.4
Dwellings S side Coosan Rd	Upper facades	Nearest dwelling build	Discharging mixer truck	75	50 None	13.9794	15.47425	15.47425	0	59.52575	896551	20	179310.2
Dwellings S side Coosan Rd	Upper facades	Nearest dwelling build	Tracked excavator	76	50 None	13.9794	15.47425	15.47425	0	60.52575	1128691	80	902952.6
Dwellings S side Coosan Rd	Upper facades	Nearest dwelling build	Dumper	76	50 None	13.9794	15.47425	15.47425	0	60.52575	1128691	20</	

2: Post-mitigation

Receiver	Position	Stage	Source	SPL 10 m d	Screening Kh	Ks	Applied	Bar	Lrec	PWR	% on	Corr	Ltotal
Church Hills NE	Rear garden	Nearest dwelling build	Telescopic handler	71	80 Wall	18.0618	20.57725	18.0618	10	42.9382	19670.71	10	1967.071
Church Hills NE	Rear garden	Nearest dwelling build	Delivery truck	79	80 Wall	18.0618	20.57725	18.0618	10	50.9382	124113.8	10	12411.38
Church Hills NE	Rear garden	Nearest dwelling build	Discharging mixer truck	75	80 Wall	18.0618	20.57725	18.0618	10	46.9382	49410.59	20	9882.118
Church Hills NE	Rear garden	Nearest dwelling build	Tracked excavator	76	80 Wall	18.0618	20.57725	18.0618	10	47.9382	62204.25	80	49763.4
Church Hills NE	Rear garden	Nearest dwelling build	Dumper	76	80 Wall	18.0618	20.57725	18.0618	10	47.9382	62204.25	20	12440.85
													86464.81
													49
Church Hills NE	Upper facades	Nearest dwelling build	Telescopic handler	71	80 None	18.0618	20.57725	20.57725	0	50.42275	110223.7	10	11022.37
Church Hills NE	Upper facades	Nearest dwelling build	Delivery truck	79	80 None	18.0618	20.57725	20.57725	0	58.42275	695464.6	10	69546.46
Church Hills NE	Upper facades	Nearest dwelling build	Discharging mixer truck	75	80 None	18.0618	20.57725	20.57725	0	54.42275	276869.4	20	55373.89
Church Hills NE	Upper facades	Nearest dwelling build	Tracked excavator	76	80 None	18.0618	20.57725	20.57725	0	55.42275	348558	80	27884.6
Church Hills NE	Upper facades	Nearest dwelling build	Dumper	76	80 None	18.0618	20.57725	20.57725	0	55.42275	348558	20	69711.6
													484500.7
													57
Church Hills NE	Rear garden	Landscaping	Excavator	76	20 Wall	6.0206	5.52575	6.0206	10	59.9794	995267.9	80	796214.3
													796214.3
													59
Church Hills NE	Upper facades	Landscaping	Excavator	76	20 None	6.0206	5.52575	5.52575	0	70.47425	11153855	80	8923084
													8923084
													70
Church Hills SE	Rear garden	Nearest dwelling build	Telescopic handler	71	100 Wall	20	23	20	10	41	12589.25	10	1258.925
Church Hills SE	Rear garden	Nearest dwelling build	Delivery truck	79	100 Wall	20	23	20	10	49	79432.82	10	7943.282
Church Hills SE	Rear garden	Nearest dwelling build	Discharging mixer truck	75	100 Wall	20	23	20	10	45	31622.78	20	6324.555
Church Hills SE	Rear garden	Nearest dwelling build	Tracked excavator	76	100 Wall	20	23	20	10	46	39810.72	80	31848.57
Church Hills SE	Rear garden	Nearest dwelling build	Dumper	76	100 Wall	20	23	20	10	46	39810.72	20	7962.143
													55337.48
													47
Church Hills SE	Upper facades	Nearest dwelling build	Telescopic handler	71	100 None	20	23	23	0	48	63095.73	10	6309.573
Church Hills SE	Upper facades	Nearest dwelling build	Delivery truck	79	100 None	20	23	23	0	56	398107.2	10	39810.72
Church Hills SE	Upper facades	Nearest dwelling build	Discharging mixer truck	75	100 None	20	23	23	0	52	158489.3	20	31697.86
Church Hills SE	Upper facades	Nearest dwelling build	Tracked excavator	76	100 None	20	23	23	0	53	199526.2	80	159621
Church Hills SE	Upper facades	Nearest dwelling build	Dumper	76	100 None	20	23	23	0	53	199526.2	20	39905.25
													277344.4
													54
Church Hills SE	Rear garden	Landscaping	Excavator	76	20 Wall	6.0206	5.52575	6.0206	10	59.9794	995267.9	80	796214.3
													796214.3
													59
Church Hills SE	Upper facades	Landscaping	Excavator	76	20 None	6.0206	5.52575	5.52575	0	70.47425	11153855	80	8923084
													8923084
													70
Churchfields W	Rear garden	Nearest dwelling build	Telescopic handler	71	80 Wall	18.0618	20.57725	18.0618	10	42.9382	19670.71	10	1967.071
Churchfields W	Rear garden	Nearest dwelling build	Delivery truck	79	80 Wall	18.0618	20.57725	18.0618	10	50.9382	124113.8	10	12411.38
Churchfields W	Rear garden	Nearest dwelling build	Discharging mixer truck	75	80 Wall	18.0618	20.57725	18.0618	10	46.9382	49410.59	20	9882.118
Churchfields W	Rear garden	Nearest dwelling build	Tracked excavator	76	80 Wall	18.0618	20.57725	18.0618	10	47.9382	62204.25	80	49763.4
Churchfields W	Rear garden	Nearest dwelling build	Dumper	76	80 Wall	18.0618	20.57725	18.0618	10	47.9382	62204.25	20	12440.85
													86464.81
													49
Churchfields W	Upper facades	Nearest dwelling build	Telescopic handler	71	80 None	18.0618	20.57725	20.57725	0	50.42275	110223.7	10	11022.37
Churchfields W	Upper facades	Nearest dwelling build	Delivery truck	79	80 None	18.0618	20.57725	20.57725	0	58.42275	695464.6	10	69546.46
Churchfields W	Upper facades	Nearest dwelling build	Discharging mixer truck	75	80 None	18.0618	20.57725	20.57725	0	54.42275	276869.4	20	55373.89
Churchfields W	Upper facades	Nearest dwelling build	Tracked excavator	76	80 None	18.0618	20.57725	20.57725	0	55.42275	348558	80	27884.6
Churchfields W	Upper facades	Nearest dwelling build	Dumper	76	80 None	18.0618	20.57725	20.57725	0	55.42275	348558	20	69711.6
													484500.7
													57
Churchfields W	Rear garden	Landscaping	Excavator	76	20 Wall	6.0206	5.52575	6.0206	10	59.9794	995267.9	80	796214.3
													796214.3
													59
Churchfields W	Upper facades	Landscaping	Excavator	76	20 None	6.0206	5.52575	5.52575	0	70.47425	11153855	80	8923084
													8923084
													70
Churchfields E	Rear garden	Nearest dwelling build	Telescopic handler	71	40 Wall	12.0412	13.0515	12.0412	10	48.9588	78682.84	10	7868.284
Churchfields E	Rear garden	Nearest dwelling build	Delivery truck	79	40 Wall	12.0412	13.0515	12.0412	10	56.9588	496455.1	10	49645.51
Churchfields E	Rear garden	Nearest dwelling build	Discharging mixer truck	75	40 Wall	12.0412	13.0515	12.0412	10	52.9588	197642.4	20	39528.47
Churchfields E	Rear garden	Nearest dwelling build	Tracked excavator	76	40 Wall	12.0412	13.0515	12.0412	10	53.9588	248817	80	199053.6
Churchfields E	Rear garden	Nearest dwelling build	Dumper	76	40 Wall	12.0412	13.0515	12.0412	10	53.9588	248817	20	49763.4
													345859.3
													55
Churchfields E	Upper facades	Nearest dwelling build	Telescopic handler	71	40 None	12.0412	13.0515	13.0515	0	57.9485	623519.5	10	62351.95
Churchfields E	Upper facades	Nearest dwelling build	Delivery truck	79	40 None	12.0412	13.0515	13.0515	0	65.9485	3934142	10	393414.2
Churchfields E	Upper facades	Nearest dwelling build	Discharging mixer truck	75	40 None	12.0412	13.0515	13.0515	0	61.9485	1566210	20	313242
Churchfields E	Upper facades	Nearest dwelling build	Tracked excavator	76	40 None	12.0412	13.0515	13.0515	0	62.9485	1971742	80	1577393
Churchfields E	Upper facades	Nearest dwelling build	Dumper	76	40 None	12.0412	13.0515	13.0515	0	62.9485	1971742	20	394348.3
													2740750
													64
Churchfields E	Rear garden	Landscaping	Excavator	76	40 Wall	12.0412	13.0515	12.0412	10	53.9588	248817	80	199053.6
													199053.6
													53
Churchfields E	Upper facades	Landscaping	Excavator	76	40 None	12.0412	13.0515	13.0515	0	62.9485	1971742	80	1577393
													1577393
													62
Detached hse SW corner	Rear garden	Nearest dwelling build	Telescopic handler	71	15 None	3.521825	2.402281	2.402281	10	58.59772	72405.5	10	72405.55
Detached hse SW corner	Rear garden	Nearest dwelling build	Delivery truck	79	15 None	3.521825	2.402281	2.402281	10	66.59772	4568481	10	456848.1
Detached hse SW corner	Rear garden	Nearest dwelling build	Discharging mixer truck	75	15 None	3.521825	2.402281	2.402281	10	62.59772	1818745	20	363749
Detached hse SW corner	Rear garden	Nearest dwelling build	Tracked excavator	76	15 None	3.521825	2.402281	2.402281	10	63.59772	2289665	80	1831732
Detached hse SW corner	Rear garden	Nearest dwelling build	Dumper	76	15 None	3.521825	2.402281	2.402281	10	63.59772	2289665	20	457932.9
													3182667
													65
Detached hse SW corner	Rear garden	Landscaping	Excavator	76	10 None	0	-2	0	10	66	3981072	80	3184857
													3184857
													65
Dwellings S side Coosan Rd	Upper facades	Nearest dwelling build	Telescopic handler	71	50 None	13.9794	15.47425	15.47425	0	55.52575	356923.4	10	35692.34
Dwellings S side Coosan Rd	Upper facades	Nearest dwelling build	Delivery truck	79	50 None	13.9794	15.47425	15.47425	0	63.52575	2252034	10	225203.4
Dwellings S side Coosan Rd	Upper facades	Nearest dwelling build	Discharging mixer truck	75	50 None	13.9794	15.47425	15.47425	0	59.52575	896551	20	179310.2
Dwellings S side Coosan Rd	Upper facades	Nearest dwelling build	Tracked excavator	76	50 None	13.9794	15.47425	15.47425	0	60.52575	1128691	80	902952.6
Dwellings S side Coosan Rd	Upper facades	Nearest dwelling build	Dumper	76	50 None	13.9794	15.47425	15.47425	0	60.52575	1128691	20	225738.2
													1568897
													62
Dwellings S side Coosan Rd	Upper facades	Landscaping	Excavator	76	40 None	12.0412	13.0515	13.0515	0	62.9485	1971742	80	1577393
													1577393
													62