



APPENDIX 7.3 - OPERATIONAL NOISE

Not updated

Table A7.4.1 – Operational noise reporting table for noise assessment – short term

Scenario/Comparison: Do-Minimum Opening Year (DMOY) vs Do-Something Opening Year (DSOY)					
Change in noise level dB (A)		Daytime L_{A10, 18h} dB (0600 – 2400h)		Daytime L_{night} dB (2300 – 0700h)	
		Number of Dwellings	Number of other sensitive receptors	Number of Dwellings	Number of other sensitive receptors
Increase in noise level, dB	< 1	626	4	614	5
	1 – 2.9	97	1	76	0
	3 – 4.9	28	0	21	0
	> 5	4	0	2	0
No Change	0	135	1	152	0
Decrease in noise level, dB	< 1	646	5	696	7
	1 – 2.9	250	4	226	3
	3 – 4.9	6	0	5	0
	> 5	0	0	0	0
Totals		1,793	15	1,793	15

Table A7.4.2 – Operational noise reporting table for noise assessment – long term

Scenario/Comparison: Do-Minimum Opening Year (DMOY) vs Do-Something Future Year (DSFY)					
Change in noise level dB (A)		Daytime L_{A10, 18h} dB (0600 – 2400h)		Daytime L_{night} dB (2300 – 0700h)	
		Number of Dwellings	Number of other sensitive receptors	Number of Dwellings	Number of other sensitive receptors
Increase in noise level, dB	< 3	599	6	627	6
	3 – 4.9	80	0	59	0
	5 – 9.9	45	0	38	0
	10 +	0	0	0	0
No Change	0	0	0	0	0
Decrease in noise level, dB	< 3	931	7	988	7
	3 – 4.9	122	2	70	2
	5 – 9.9	15	0	10	0
	10 +	0	0	0	0
Totals		1,793	15		

Table A7.4.3 – Operational noise reporting table for noise assessment – non-project change

Scenario/Comparison: Do-Minimum Opening Year (DMOY) vs Do-Minimum Future Year (DMFY) – Non-Project Change					
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Impact; Change in noise level			Daytime L _{A10, 18h} dB (0600 – 2400h)	
			Number of Dwellings	Number of other sensitive receptors
Adverse; Increase in noise level, dB	Negligible	< 3	1,745	13
	Minor	3 – 4.9	1	0
	Moderate	5 – 9.9	0	0
	Major	10 +	0	0
No Change		0	1	0
Beneficial; Decrease in noise level, dB	Negligible	< 3	45	2
	Minor	3 – 4.9	0	0
	Moderate	5 – 9.9	0	0
	Major	10 +	0	0
Totals			1,792	15

Table A7.4.4 – Number of Dwellings within study area relative to operational road traffic LOAELs and SOAELs (day-time)

Scenario	Below LOAEL	Between LOAEL and SOAEL	Above SOAEL
	(<55 dB L _{A10, 18hr façade})	(>= 55 - <68 dB L _{A10, 18hr façade})	(>=68 dB L _{A10, 18hr façade})
DMOY	1,086	521	185
DSOY	1,087	538	167
DMFY	1,019	569	204
DSFY	1,121	522	149

Table A7.4.5 – Number of Dwellings within study area relative to operational road traffic LOAELs and SOAELs (night-time)

Scenario	Below LOAEL	Between LOAEL and SOAEL	Above SOAEL
	(<40 dB L _{night, outside})	(>= 40 - <55 dB L _{night, outside})	(>=55 dB L _{night, outside})
DMOY	729	871	192
DSOY	717	902	173
DMFY	681	897	214
DSFY	737	890	165