



## 7.3 OPERATIONAL NOISE

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

<b>Scenario/Comparison: Do-Minimum Opening Year (DMOY) vs Do-Something Opening Year (DSOY)</b>					
<b>Change in noise level dB (A)</b>		<b>Daytime L<sub>A10, 18h</sub> dB (0600 – 2400h)</b>		<b>Daytime L<sub>night</sub> dB (2300 – 0700h)</b>	
		<b>Number of Dwellings</b>	<b>Number of other sensitive receptors</b>	<b>Number of Dwellings</b>	<b>Number of other sensitive receptors</b>
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
<b>Totals</b>		<b>1,793</b>	<b>15</b>	<b>1,793</b>	<b>15</b>

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

<b>Scenario/Comparison: Do-Minimum Opening Year (DMOY) vs Do-Something Future Year (DSFY)</b>					
<b>Change in noise level dB (A)</b>		<b>Daytime L<sub>A10, 18h</sub> dB (0600 – 2400h)</b>		<b>Daytime L<sub>night</sub> dB (2300 – 0700h)</b>	
		<b>Number of Dwellings</b>	<b>Number of other sensitive receptors</b>	<b>Number of Dwellings</b>	<b>Number of other sensitive receptors</b>
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
<b>Totals</b>		<b>1,793</b>	<b>15</b>		

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

<b>Scenario/Comparison: Do-Minimum Opening Year (DMOY) vs Do-Minimum Future Year (DMFY) – Non-Project Change</b>					
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Impact; Change in noise level			Daytime L <sub>A10, 18h</sub> 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 <sub>A10, 18hr façade</sub> )	(>= 55 - <68 dB L <sub>A10, 18hr façade</sub> )	(>=68 dB L <sub>A10, 18hr façade</sub> )
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 <sub>night, outside</sub> )	(>= 40 - <55 dB L <sub>night, outside</sub> )	(>=55 dB L <sub>night, outside</sub> )
DMOY	729	871	192
DSOY	717	902	173
DMFY	681	897	214
DSFY	737	890	165