**Table B1: Permissible Sound Level Calculation at Receptors**

| Basic Nighttime Sound Level | | | | | Nighttime | | Daytime | |
|---|---|---|---|---|---|---|---|---|
| **Proximity to Transportation** | **Dwelling Unit Density [# per ¼ Section of land]** | | | | **Receptors within McNab Strata Community** | **Other Receptors and Criteria Boundary** | **Receptors within McNab Strata Community** | **Other Receptors and Criteria Boundary** |
| | **1 to 8 Dwellings** | **9 to 160 Dwellings** | **>160 Dwellings** | | | | | |
| Category 1 | 40 | 43 | 46 | | 43 | 40 | 43 | 40 |
| Category 2 | 45 | 48 | 51 | | | | | |
| Category 3 | 50 | 53 | 56 | | | | | |
| **Basic Sound Level (BSL)** | | | | | **43** | **40** | **43** | **40** |
| | | | | | | | | |
| Daytime Adjustment | | | | | | | | |
| Reason for Adjustment | | Value [dBA $L_{eq}$] | | | | | | |
| Adjustment for nighttime hours (22:00 to 07:00) | | 0 | | | 0 | 0 | n/a | n/a |
| Adjustment for daytime hours (07:00 to 22:00) | | 10 | | | n/a | n/a | 10 | 10 |
| **Nighttime/Daytime Adjustment** | | | | | **0** | **0** | **10** | **10** |
| | | | | | | | | |
| **Class A Adjustment** | | | | | | | | |
| Class | Reason for Adjustment | Value [dBA $L_{eq}$] | | | | | | |
| A1 | Seasonal Adjustment (1 Nov - 31 Mar) | 5 | | | n/a | n/a | n/a | n/a |
| A2 | Absence of Both Tonal and Impulse/Impact Components | 5 | | | n/a | n/a | n/a | n/a |

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| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| A3 | Ambient Monitoring Adjustment depending on the difference between the BSL and the measured Leq. | -10 to +10 | | | 0 | 0 | 0 | 0 |
| **Total Class A Adjustments** | | | | | **0** | **0** | **0** | **0** |
| | | | | | | | | |
| **Class B Adjustment** | | | | | | | | |
| Class | Reason for Adjustment | Value [dBA L$_{eq}$] | | | | | | |
| B1 | 1 day | 15 | | | n/a | n/a | n/a | n/a |
| B2 | 1 week | 10 | | | n/a | n/a | n/a | n/a |
| B3 | < or = to 2 months | 5 | | | n/a | n/a | n/a | n/a |
| B4 | > 2 months | 0 | | | 0 | 0 | 0 | 0 |
| Class B Adjustment = one only of B1, B2, B3 or B4 | | | | | | | | |
| **Total Class B Adjustment** | | | | | **0** | **0** | **0** | **0** |
| | | | | | | | | |
| **Permissible Sound Level (PSL) [dBA]** | | | | | **43** | **40** | **53** | **50** |

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