

Table 3: Acoustic Assessment Summary Table

GreenFirst - Chapleau, ON

11/30/2022

Notes to Table:

1. "Continuous" noise sources includes sum of steady, quasi-steady impulsive, tonal, cyclical and buzzing noise sources, with appropriate penalties applied, in accordance with documents NPC-104 and NPC-300. Impulsive noise sources are assessed separately from continuous noise sources.
2. Daytime occurs from 0700-1900h. Evening occurs from 1900h to 2300h. Night-time occurs from 2300-0700h
3. Worst-case cumulative sound level from all applicable sources operating.
4. Has an acoustic audit (as defined in Publication NPC-233) been conducted with source in place and operating?
5. Applicable worst-case NPC-300 sound level limit.
6. Performance limit (aka guideline limit) based on following:
 - C = Calculated based on road traffic volumes in compliance with NPC-206 requirements.
 - M = Measured based on monitoring for a minimum 48 hour period, in accordance with NPC-233 requirements.
 - D = Default guideline minima per NPC-300, as applicable (e.g., 50 dBA for daytime)

Table 3a : Assessment of Impacts for "Continuous" Noise Sources [1]

Point of Reception ID	Point of Reception Description	Time Period [2]	Total Sound Level at PoR [3] (dBA)	Verified by Acoustic Audit [4] (Yes/No)	Performance Limit [5] (dBA)	Performance Limit Source [6] (C / M/ D)	Compliance with Performance Limit (Yes/No)
POR1	House to Northeast	Daytime	46	No	50	D	Yes
		Evening	45	No	45		Yes
		Night-time	45	No	45		Yes
POR2	House to North	Daytime	45	No	50	D	Yes
		Evening	44	No	45		Yes
		Night-time	44	No	45		Yes
POR3	House to North	Daytime	46	No	50	D	Yes
		Evening	45	No	45		Yes
		Night-time	45	No	45		Yes
POR4	House to North	Daytime	44	No	50	D	Yes
		Evening	43	No	45		Yes
		Night-time	43	No	45		Yes
POR5	House to West	Daytime	44	No	50	D	Yes
		Evening	42	No	45		Yes
		Night-time	42	No	45		Yes
POR6	House to Southwest	Daytime	46	No	50	D	Yes
		Evening	42	No	45		Yes
		Night-time	42	No	45		Yes
POR7	House to Southeast	Daytime	46	No	50	D	Yes
		Evening	45	No	45		Yes
		Night-time	45	No	45		Yes