
What is it?

A noise study is a technical assessment that evaluates:

- The impact of noise from the surrounding environment on the proposed development;
- The impact of noise generated by a proposed development on the surrounding environment; and,
- The impact of noise from the proposed development on itself.

The study is intended to recommend mitigation measures to reduce any negative impacts caused by stationary and/or transportation noise sources.

Who prepares it?

A noise study must be prepared by a qualified acoustical consultant. The report must be stamped, dated and signed by a licensed Professional Engineer (P.Eng.).

Why is it required?

A noise study is required to assess the compatibility of the proposed development with the surrounding area and determine whether the sound level limits are suitable for the intended land use. The proposed development must conform to the MECP NPC-300 Guideline, Mississauga's Official Plan and City Policies.

When is it required?

A Noise Feasibility Study and/or a Detailed Noise Study may be required in support of the following development application types:

- Official Plan Amendment
- Zoning By-law Amendment
- Draft Plan of Subdivision / Condominium
- Consent to Sever
- Minor Variance
- Site Plan (Detailed Study)
- Or any other development application deemed appropriate by council or delegate

A noise study is required for all proposed developments with, or near a noise sensitive land use, as defined by the Ministry of the Environment, Conservation and Parks, NPC-300 Environmental Noise Guideline. (STAMSON Software through STEAM & ORNAMENT modelling)

How to prepare it

A noise study should include the following:

- Description of the subject site and the proposed development, including a context map;
- Description of noise guidelines/standards applied;
- Identification of all stationary and transportation (road, rail, air) noise sources, including data collection and methods;
- Predicted noise level forecasts without mitigation;

- Vibration assessment, if applicable (*see additional information below*);
- Mitigation requirements (architectural, ventilation, acoustical barriers, and applicable warning clauses);
- Tables and figures to support the recommendations of the report; and,
- Noise calculations (modelling software output)

Additional Information

- The report may be combined with a vibration study.
- A vibration study is required for all proposed developments within 75 meters of a rail corridor.
- Developments adjacent to rail corridors shall also conform to the Federation of Canadian Municipalities and the Railway Association of Canada guidelines.
- Additional agencies may have jurisdiction, and their approvals or permits may also be required (e.g. CNR, CPR, GO Transit/Metrolinx, MTO, GTAA, Region of Peel, etc.).
- Ultimate Traffic Data must be obtained from the City when analyzing transportation noise from City roads.
- The report shall include a Site Plan depicting the locations of the Noise receptor locations (including OLA's)
- Additional information can be found in the City of Mississauga's Official Plan and City Policies.
- The City may wish to hire an outside consultant, at the expense of the applicant, to peer review selected technical reports submitted in support of a development application where there is no in-house expertise available.
- If all noise source mitigation measures under a Class 1 designation have been exhausted (including alternatives to noise walls/barriers), a Class 4 sound level limit may be considered