

Terms of Reference: Noise Study

Description:

A Noise Study is an analysis that determines the impacts of noise from transportation sources and/or stationary sources from properties in the vicinity of the proposed development, and also determines the projection of sound resulting from a proposed development onto surrounding land uses. Mitigation measures are recommended from this analysis.

Development Application Stream(s):

A Noise Report is required for the following development applications:

- Official Plan Amendment
- Zoning By-law Amendment
- Main Street North Development Permit System
- Draft Plan of Subdivision / Condominium (Residential & Industrial)
- Site Plan Control
- Committee of Adjustment Applications (as required)

Prepared By:

A Noise Report shall be written and sealed by a qualified professional engineer. Noise reports shall follow the latest Ontario “NPC-300 Environmental Noise Guideline – Stationary and Transportation Sources – Approval and Planning”

Rationale:

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, Brampton’s Official Plan and City Policies.

Content:

The Noise Study shall contain, but is not limited to:

1. Introduction

- Proposal
- Development Name and City file number

2. Applicable Limits

- Including and excluding penalties

Terms of Reference: Noise Study

3. Noise Sources

- Identify all noise sources

4. Transportation Noise

- Road traffic noise
- Rail traffic noise
- Vibration
- Air traffic noise

5. Stationary Noise

- Impact associated with the proposed development on adjacent noise sensitive land
- Impact associated with the proposed development on its own noise sensitive receptor
- Impact associated with Impulsive Noise on sensitive land use
- Impact associated with external stationary noise on proposed residential development

Figures

- Key Plan
- Proposed mitigation plan
- NEF/NEP map
- CadnaA contour map or equivalent

Appendices

- STAMSON calculations
- Manufacturer brochures for High STC windows, mechanical units, and mitigation products
- Traffic data from City of Brampton and Region of Peel (if applicable) within one year
- Sound levels on each stationary noise source

