

SOUTH WINDSOR

4.8.3 Procedure: Before a lot or parcel of land in an IP Zone may be used or a building erected, the owner or his agent shall submit to the Town Planning and Zoning Commission a site development plan in accordance with Section 4.13 of these regulations. Any changes in facilities or uses to that approved in the Site Development Plan application shall require additional approval of the Commission; and, at the discretion of the Commission, may require a new application.

4.8.4 General Requirements

4.8.4.1 Performance Standards

- A. No dust, dirt, fly ash, smoke, particulates, fumes, or gases shall be emitted into the air in violation of Federal State, and local statutes and standards.
- B. No odors shall be emitted into the air which are offensive off the site.
- C. Noise Levels:
  - 1. Noise Levels - No noise shall be emitted beyond the boundaries of the lot or parcel in excess of the noise levels established in these regulations.
  - 2. Noise Level Standard - Noise emitted from Commercial and Industrial Zones or Uses beyond the boundary of the lot or parcel shall not exceed the levels stated herein below and applicable to the respective adjacent Residential, Commercial, or Industrial Zones or Uses:

| Emitter's Zone or Use          | RECEPTOR          |                   |                        |                          |
|--------------------------------|-------------------|-------------------|------------------------|--------------------------|
|                                | <u>Industrial</u> | <u>Commercial</u> | <u>Residential/Day</u> | <u>Residential/Night</u> |
| Commercial                     | 62 dBA            | 62 dBA            | 55 dBA                 | 45 dBA                   |
| Industrial/<br>Industrial Park | 70 dBA            | 66 dBA            | 61 dBA                 | 51 dBA                   |

Measurements shall be taken at a point which is located beyond the boundary of the emitter's lot or parcel and approximately one (1) foot within the receptor's lot or parcel.

3. High Background Noise Levels and Impulse Noise

- a. In those individual cases where the background noise level caused by sources not subject to these Regulations exceeds the standards contained herein, a source shall be considered to cause excessive noise if the noise emitted by such source exceeds the background noise levels by 5 dBA, provided that no source subject to the provisions of this regulation shall emit noise in excess of 80 dBA at any time; and provided that this Section does not decrease the permissible levels of other sections of this ordinance.
- b. No impulse noise shall be caused or allowed in excess of 80 dB peak sound pressure level during the nighttime to any Residential Zone or Use.
- c. The emission of impulse noise shall not be caused or allowed in excess of 100 dB peak sound pressure level at any time to any zone or use.

4. Exclusions and exceptions shall be in accordance with regulations of the Connecticut Department of Environmental Protection, Sections 22a-69-1.7-1.8; however, 1.8k therein shall not be exempted

Definitions

Background Noise: Shall mean noise which exists at a point as a result of a combination of many distant sources individually indistinguishable. In statistical terms, it is the level which is exceeded 90% of the time (L90) in which the measurement is taken.

Day-Time Hours: Shall mean the hours between 7:00 a.m. and 10:00 p.m.; and the hours 9:00 a.m. through 10:00 p.m. on Sundays.

Decibel: Shall mean a unit of measurement of the sound level.

Impulse Noise: Shall mean sound of short duration, usually less than one second, with an abrupt onset and rapid decay.

Night-time Hours: Shall mean the hours between 10:00 p.m. and 7:00 a.m., Sunday evening through Saturday morning, except that night shall mean the hours between 10:00 p.m. Saturday, and 9:00 a.m. Sunday.

Noise Level: Shall mean the sound pressure level measured with a sound level meter using the A-weighting network. The level so read is designated dB(A), or dBA.