

## ARTICLE 44

### NOISE

#### SECTION 4401 METHOD OF MEASUREMENT

For the purposes of enforcing the provisions of these regulations, noise shall be measured in dBA using a sound level meter, with the measurements taken at the noisiest point within the receiving property.

- A. A dBA is the sound pressure in decibels measured using the “A” weighting network on the sound level meter. The sound level meter. The sound pressure level, in decibels, of a sound is 20 times the logarithm to the base of 10 of the ratio of the pressure of the sound to a reference pressure of 20 micropascals.
- B. A sound level meter is a device which measures sound pressure levels and conforms to Type 1 or Type 2 as specified in the American National Standards Institute specification S1.4-1971.
- C. The receiving property is real property within which the maximum permissible noise levels specified herein shall not be exceeded from sources outside such property.

#### SECTION 4402 EXEMPTIONS

- A. The following shall be exempt from the provisions of Section 4403, Table I, between the hours of 7:00 A.M. and 10:00 P.M. only:
  - 1. Sounds created by the discharge of firearms on authorized shooting ranges.
  - 2. Sounds created by blasting.
  - 3. Sounds created by the installation of utility services.
  - 4. Sounds originating from temporary construction sites as a result of construction activity.
  - 5. Sounds created by firearms in the course of hunting.

B. The following shall be exempt from the provisions of Section 4403, Tables I and II, at all times:

1. Sounds created by motor vehicles operated on public roads and highways.
2. Sounds originating from aircraft in flight and sounds that originate at airports which and directly related to flight operations.
3. Sounds created by surface carriers engaged in interstate commerce by railroad.
4. Sounds created by warning devices not operating continuously for more than five (5) minutes, or bells, chimes, and carillons.
5. Sounds created by safety and protective devices where noise suppression would defeat the intent of the device or is not economically feasible.
6. Sounds created by emergency equipment and work necessary in the interests of law enforcement or for health, safety, or welfare of the community.
7. Sounds created by the repair of essential utility services.
8. Sounds originating from officially sanctioned parades and other public events.
9. Sounds emitted from venting at industrial process facilities during startup only, provided that the startup operation is performed during daytime hours whenever possible.

**SECTION 4403**

**MAXIMUM PERMISSIBLE NOISE LEVELS**

A. No person shall cause or permit noise to intrude into the property of another person that exceeds the levels listed in:

1. Table I, between the hours of 7:00 AM and 10:00 P.M.
2. Table II, between the hours of 10:00 P.M. to 7:00 A.M.

- B. Between the hours of 7:00 A.M. and 10:00 P.M., the noise in Table I may be exceeded by no more than:
1. 5 dBA for a total of 15 minutes in any 1 hour period, or
  2. 10 dBA for a total of 5 minutes in any 1 hour period, or
  3. 15dBA for a total of 30 seconds in any 1 hour period.
- C. Between the hours of 10:00 P.M. and 7:00 A.M. , the noise limits in Table II may be exceeded by no more than :
1. 5 dBA for a total of 10 minutes in any 1 hour period, or
  2. 10 dBA for a total of 3 minutes in any 1 hour period.
- D. Impulsive sound (such as sounds with a duration of less than 1 second, such as from gunfire of punch presses) shall not exceed the levels of Table I (daytime) or Table II (nighttime) by more than 5dBA, as measured with the sound level meter on the slow response setting.

1. Table I. Daytime Noise Limits

Noise Source	<u>Receiving Property</u>		
	Residential	Business	Industrial
Business	60 dBA	60 dBA	65 dBA
Industrial	60 dBA	65 dBA	70 dBA

2. Table II. Nighttime Noise Limit

Noise Source	<u>Receiving Property</u>		
	Residential	Business	Industrial
Business	50 dBA	60 dBA	65 dBA
Industrial	50 dBA	65 dBA	70 dBA

**SECTION 4404**

**DEFINITIONS APPLICABLE TO TABLES I AND II**

- A. Residential. Shall include all residential zoning districts comprising A, R-1, R-2, R-3, R-4, R-5, R-6, R-7, and OR-1.
- B. Business. Shall include all business zoning districts comprising O-2, B-1, B-2, B-3 and B-4.
- C. Industrial. Shall include all industrial zoning districts comprising I-1, I-2 and I-3.