Zoning Resolution

THE CITY OF NEW YORK
Zohran K. Mamdani, Mayor

CITY PLANNING COMMISSION
Sideya Sherman, Chair

42-41 - Performance Standards Regulating Noise

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42-41 - Performance Standards Regulating Noise

LAST AMENDED
6/6/2024

42-411 - Definitions

LAST AMENDED
6/6/2024

For the purposes of this Section, the following terms are defined:

Decibel

A “decibel" is a unit of measurement of the intensity of sound (the sound pressure level).

Impact noise analyzer

An “impact noise analyzer” is an instrument used in conjunction with the #sound level meter# to measure the peak intensities of short duration sounds.

Octave band

An “octave band” is one of a series of eight bands which cover the normal range of frequencies included in sound measurements. Such #octave bands# serve to define the sound in terms of its pitch components.

Octave band analyzer

An “octave band analyzer” is an instrument used in conjunction with a #sound level meter# to measure sound in each of eight #octave bands#.

Sound level meter

A “sound level meter” is an instrument standardized by the American Standards Association, which is used for measurement of the intensity of sound and is calibrated in #decibels#.

42-412 - Method of measurement

LAST AMENDED
6/6/2024

The “C” network and the “slow” meter response of the #sound level meter# shall be used. Sounds of short duration, as from forge hammers, punch presses, and metal shears, which cannot be measured accurately with the #sound level meter#, shall be measured with the #impact noise analyzer# as manufactured by the General Radio Company, or its equivalent, in order to determine the peak value of the impact. For sounds so measured, the sound pressure levels set forth in Section 42-413 (Maximum permitted decibel levels) may be increased by six #decibels#.

42-413 - Maximum permitted decibel levels

LAST AMENDED
6/6/2024

In all #Manufacturing Districts#, the sound pressure level resulting from any activity, whether open or enclosed, shall not exceed, at any point on or beyond any #lot line#, the maximum permitted #decibel# levels for the designated #octave band# as set forth in the following table for the district indicated.

In the enforcement of this regulation, sounds produced by the operation of motor vehicles or other transportation facilities shall not be included in determining the maximum permitted #decibel# levels.

MAXIMUM PERMITTED SOUND PRESSURE LEVEL
(in #decibels#)

	District		
#Octave Band# (cycles per second)	M1	M2	M3
20 to 75	79	79	80
75 to 150	74	75	75
150 to 300	66	68	70
300 to 600	59	62	64
600 to 1,200	53	56	58

1,200 to 2,400	47	51	53
2,400 to 4,800	41	47	49
Above 4,800	39	44	46

42-414 - Special provisions applying along district boundaries

LAST AMENDED
6/6/2024

Whenever a #Manufacturing District# adjoins a #Residence District#, at any point at the district boundary or within the #Residence District#, the maximum permitted #decibel# levels in all #octave bands# shall be reduced by six #decibels# from the maximum levels set forth in the table in Section 42-413 (Maximum permitted decibel levels).