



APPENDIX A-9

For Office Use Only:

Approved By: _____

Desk Officer's Initials: _____

OCA #: _____

**TOWN OF CHAPEL HILL
APPLICATION FOR PERMIT TO EXCEED SOUND LIMITS BY 10 DECIBELS**

APPLICANT

EVENT INFORMATION

Location: _____

Name: _____

Day/Date: _____

Mailing Address: _____

Beginning Time: _____

Phone: () _____ (h)

() _____ (w)

Email: _____

PROPERTY

The primary use of the property is:

_____ Residential _____ Business/office _____ Shopping Center

The adjoining properties are (check all that apply):

_____ Residential _____ Business/office _____ Shopping Center

Maximum Allowable Levels by Property Use

Sec. 11.39. Maximum permitted steady-state sound levels and sound pressure levels.

(a) No person or group of persons shall operate or cause to be operated any source of sound in such a manner as to create a root mean square (rms) steady-state sound level that exceeds the limits set forth either in Table 1 or Table 2 when measured at any point on the boundary planes of the property line from which the sound originates, or beyond.

(1) A frequency weighted sound pressure levels:

Table 1. Maximum Sound level limitations at the property boundary-plan by primary use category (dBA)

Primary Use	Daytime*	Nighttime*
Residential:	50	45
Business, office, commercial and institutional:	65	55
Shopping center, thoroughfare and industrial:	70	65

* Daytime and nighttime are defined in section 11-39(d)

(2) One-third octave band sound pressure levels:

Table 2. Maximum one-third octave band sound pressure level limitations at the property boundary plane by primary use category (dB)

One-third Octave band Center frequency, Hertz One-third Octave band SPL, dB

	Residential		Business, office, commercial, institutional	
	Daytime	Nighttime	Daytime	Nighttime
16	83	78	98	88
20	75	70	90	80
25	67	62	82	72
31.5	60	55	75	65
40	57	52	72	62
50	56	51	71	61
63	55	50	70	60
80	54	49	69	59
100	53	48	68	58
125	52	47	67	57
160	51	46	66	56
200	50	45	65	55
250	49	44	64	54
315	47	42	62	52
400	45	40	60	50
500	43	38	58	48
630	41	36	56	46

(b) In Table 2, the allowed one-third octave-band sound pressure levels for the nighttime and daytime for the shopping center, thoroughfare and industrial boundaries are +5 and +10 dB higher than what is defined for the daytime business, office and commercial and institutional boundary planes.

(c) When the primary use of the property where the noise is produced differs from the primary use of the adjoining sound receiving property, then the maximum permitted sound levels or sound pressure levels which apply are the lower of the levels shown in Tables 1 and 2 for the two primary use categories involved.

(d) For purposes of this ordinance daytime is defined as 7:00 am until 11:00 pm and nighttime is defined from 11:01 pm until 6:59 am from Sunday through Thursday. For the days of Friday and Saturday daytime is defined as 7:00 am until 12 am and nighttime is defined as 12:01 am until 6:59 am.