

ILLINOIS POLLUTION CONTROL BOARD

May 14, 1981

In The Matter Of:)
) R80-9
Proposed Amendment to the Noise Regulations,) R80-10
Rules 101, 206, 208 and 209)

ADOPTED RULE. FINAL ORDER.

FINAL ORDER OF THE BOARD (by J. Anderson):

The Board hereby adopts the following amendments to Chapter 8: Noise. In response to suggestions made by the Joint Committee on Administrative Rules (JCAR) during the second notice period, certain changes have been made. JCAR suggested deletions have been interlined, and additions underlined. The JCAR has stated that it has no objections to these rules. The Clerk is directed to file these final rules with the Secretary of State, to become effective June 1, 1981.

Chapter 8: Noise

Rule 101: Definitions

Impulsive sound: either a single pressure peak or a single burst (multiple pressure peaks) for a duration usually less than one second. Examples of impulsive sound sources are a drop forge hammer and explosive blasting.

Slow Dynamic Characteristic: The dynamic characteristic specified as "Slow" in ANSI document S1.4-1971 (R1976) "Specification for Sound Level Meters"~~7 or subsequent-revisions.~~

C-weighted Sound Level: In decibels, a frequency weighted sound pressure level, determined by the use of the metering characteristic and C-weighted network specified in ANSI document S1.4-1971 (R1976) "Specification for Sound Level Meters"~~7-or-subsequent-revisions.~~

Fast Dynamic Characteristic: The dynamic characteristic specified as "Fast" in ANSI S1.4-1971 (R1976) "Specification for Sound Level Meters"~~7-or-subsequent-revisions.~~

Rule 208: Exceptions

(a)-(g) No change.

(h) Rule 206 shall not apply to impulsive sound produced by explosive blasting activities conducted on any Class C land used as specified by SLUCM codes 852 and 854, but such operations shall be governed by Rule 210.

Rule 209: Compliance Dates For Part 2

(a)-(e) No change.

Deleted

(g)-(j) No change.

Rule 210: Impulsive Sound from Explosive Blasting

(a) During the daytime hours, after sunrise and before sunset, no person shall cause or allow any explosive blasting conducted on any Class C land used as specified by SLUCM codes 852 and 854 so as to allow the emission of sound to any receiving Class A or B land which exceeds the allowable outdoor C-weighted sound levels, measured with the slow dynamic characteristic, specified in Table 6, when measured at any point of interference with the use of within such receiving Class A or B land.

TABLE 6

Allowable Outdoor C-Weighted Sound Levels in Decibels of Explosive Blasting Sounds Emitted to Receiving Class A or B Land from any Class C Land Used as Specified by SLUCM Code 852 or 854

Receiving Class A Land	Receiving Class B Land
109	114

Compliance with outdoor peak sound pressure level limits in Table 7 shall constitute prima facie evidence of compliance with the C-weighted sound level limits of Rule 210 when measured on such receiving Class A or B land.

TABLE 7

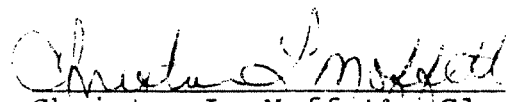
Equivalent Maximum Sound Pressure Level (Peak) Limits in Decibels

Lower frequency limit of measuring system for flat response, a variation from linear response of $\pm 3\text{dB}$ (Hz)	Receiving Class A	Receiving Class B
	Land	Land
	(dB)	(dB)
≤ 0.1	135	140
≤ 2.0 but > 0.1	132	137
≤ 6.0 but > 2.0	130	135

- (b) During the nighttime hours, after sunset and before sunrise, the allowable sound level limits in Tables 6 and 7 shall be reduced by 10 decibels except in emergency situations where rain, lightning, other atmospheric conditions, or operator or public safety requires unscheduled nighttime hour explosive blasting.
- (c) Persons causing or allowing explosive blasting to be conducted on any Class C land used as specified by SLUCM code 852 or 854 shall notify the local public of such blasting prior to its occurrence, except when emergency situations require unscheduled blasting, by publication of a blasting schedule, identifying the work days or dates and time periods when explosives are expected to be detonated, at least every three months in a newspaper of general circulation in the locality of the blast site.

IT IS SO ORDERED.

I, Christan L. Moffett, Clerk of the Illinois Pollution Control Board, hereby certify that the above Order was adopted on the 14th day of May, 1981 by a vote of 5-0.


 Christan L. Moffett, Clerk
 Illinois Pollution Control Board