

ILLINOIS POLLUTION CONTROL BOARD  
April 2, 1981

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

PROPOSED RULE. SECOND NOTICE.

ORDER OF THE BOARD (by J. Anderson):

On December 4, 1980, the Board ordered publication of the First Notice of rules to limit the sound emitted by the explosive blasting activities of the coal mining and quarrying industries. These proposed rules were published in the Environmental Register #229, December 18, 1980 and in the Illinois Register, Vol 5, pp. 5-11, January 2, 1981. In response to public comments, the Board has eliminated the expiration date of the rules, and has redefined daytime hours as being after sunrise and before sunset, rather than being from 8:00 a.m. to 5:00 p.m. No other substantive revisions have been made. The Board directs that second notice of the proposed rules be submitted to the Joint Committee on Administrative Rules, which read as follows:

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 "Specification for Sound Level Meters", 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 "Specification for Sound Level Meters", or subsequent revisions.

Fast Dynamic Characteristic: The dynamic characteristic specified as "Fast" in ANSI S1.4-1971 "Specification for Sound Level Meters", 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.

~~(f) Every owner or operator of Class C land now or hereafter used as specified in SLUCM Codes 852 and 854 shall have to and including May 31, 1981 to bring the sound from necessary explosive blasting activities in compliance with Rule 206 provided that such blasting activities are conducted between 8:00 a.m. and 5:00 p.m. local time, at specified hours previously announced to the local public.~~

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 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

<u>Lower frequency limit of measuring system for flat response, a variation from linear response of <math>\pm 3</math>dB (Hz)</u>	<u>Receiving Class A Land</u>	<u>Receiving Class B Land</u>
	<u>(dB)</u>	<u>(dB)</u>
<u><math>\leq 0.1</math></u>	<u>135</u>	<u>140</u>
<u><math>\leq 2.0</math> but <math>&gt; 0.1</math></u>	<u>132</u>	<u>137</u>
<u><math>\leq 6.0</math> but <math>&gt; 2.0</math></u>	<u>130</u>	<u>135</u>

- (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 27<sup>th</sup> day of July, 1981 by a vote of 5-0.

Christan L. Moffett, Clerk  
Illinois Pollution Control Board