

ILLINOIS POLLUTION CONTROL BOARD
September 4, 1980

IN THE MATTER OF:)
)
PROPOSED AMENDMENT OF THE NOISE) R76-14 and
REGULATIONS, RULES 101, 205, 206) R76-19
and 209.)

REPROPOSED RULE. 1ST NOTICE

FINAL ORDER OF THE BOARD (by I. Goodman):

In response to objections made on August 26, 1980 by the Joint Committee on Administrative Rules to the procedures followed by the Board in its Second Notice of proposed rule-making hereunder, the Board is ordering that a second First Notice issue. The Board has deleted Rule 206(d) and has imposed one compliance date for all sources in Rule 209(h). In other respects the Order is identical to that published in the March 7, 1980 Illinois Register.

The Board hereby proposes to adopt the following amendments to Rules 101, 206, and 209, and to repeal Rule 205, of Chapter 8, Noise Regulations.

Rule 101: DEFINITIONS

- (b) ~~Construction--On-site-erection, fabrication, installation, alteration, demolition or removal of any structure, facility, or addition thereto, including all related activities, including, but not restricted to, clearing of land, earthmoving, blasting and landscaping.~~

A-weighted Sound Level: In decibels, a frequency weighted sound pressure level, determined by the use of the metering characteristics and A-weighted network specified in ANSI S1.4 - 1971 "Specification for Sound Level Meters" and the latest revisions thereof.

- (c) ~~Daytime-hours--7:00-a.m.-to-10:00-p.m., local time.~~

Construction: On-site erection, fabrication, installation, alteration, demolition or removal of any structure, facility, or addition thereto, including all related activities, including, but not restricted to, clearing of land, earthmoving, blasting and landscaping.

- (d) ~~dB(A):--Sound-level-in-decibels-determined-by-the A-weighting-of-a-sound-level-meter.~~

Daytime hours: 7:00 a.m. to 10:00 p.m., local time.

- (g) Fast Dynamic Characteristic: The dynamic characteristic specified as "FAST" in ANSI S1.4 - 1971 "Specification for Sound Level Meters" and the latest revisions thereof.

(The definition of "Fast Dynamic Characteristic" becomes 101(g). The present definitions 101(g) through 101(q) remain unchanged but must be redesigned as 101(h) through 101(r). The present 101(r) "Sound Level" definition is deleted as being unnecessary in view of the new definition 101(b) "A-weighted Sound Level.")

- (r) ~~Sound-level:--In-decibels, a-weighted-sound-pressure level, determined-by-the-use-of-metering-characteristics-and-frequency-weightings-specified-in-ANSI S1.4---1971-"Specification-for-Sound-Level-Meters."~~

Rule 205: ~~SOUND-EMITTED-TO-CLASS-C-LAND~~

~~Except-as-elsewhere-in-this-Part-2-provided, no-person shall-cause-or-allow-the-emission-of-sound-from-any property-line-noise-source-located-on-any-Class-A, B-or C-land-to-any-receiving-Class-C-land-which-exceeds-any allowable-octave-band-sound-pressure-level-specified-in Table-4, when-measured-at-any-point-within-such-receiving Class-C-land, provided, however, that-no-measurement-of sound-pressure-level-shall-be-made-less-than-25-feet from-such-property-line-noise-source.~~

TABLE-4

| Octave-Band Center-Frequency (Hertz) | Allowable-Octave-Band-Sound-Pressure Levels-(dB)-of-Sound-Emitted-to-any Receiving-Class-C-Land-from | |
|--|--|----------------------------------|
| | Class-C-Land | Class-B-Land-and-Class A-Land |
| 31.5 | 88 | 79 |
| 63 | 83 | 78 |
| 125 | 78 | 72 |
| 250 | 73 | 64 |
| 500 | 67 | 58 |
| 1000 | 60 | 52 |
| 2000 | 54 | 46 |
| 4000 | 50 | 41 |
| 8000 | 47 | 39 |

Reserved.

Rule 206: IMPULSIVE SOUND

- (a) Except as elsewhere in this Part 2 provided, no person shall cause or allow the emission of impulsive sound from any property-line-noise-source located on any Class A, B, or C land to any receiving Class ~~A, B or C~~ A or B land which exceeds the allowable ~~dB(A)~~ A-weighted sound levels, measured with fast dynamic characteristic, specified in Table 5, when measured at any point within such receiving Class ~~A, B or C~~ A or B land, provided, however, that no measurement of sound levels shall be made less than 25 feet from the such property-line-noise-source.

TABLE 5

| Classification of land on which Property-Line-Noise-Source is Located | Allowable dB(A) A-weighted Sound Levels in Decibels of Impulsive Sound Emitted to Designated <u>Classes of Receiving Land Class A or B Land</u> | | | |
|---|---|--------------|-----------------------------------|----|
| | Class-C-Land | Class B Land | Class A Land Daytime Nighttime | |
| Class A Land | 57 | 50 | 50 | 45 |
| Class B Land | 57 | 57 | 50 | 45 |
| Class C Land | 65 | 61 | 56 | 46 |

Rule 206(a) shall not apply to impulsive sound from impact forging operations, but such operations shall be governed by Rule 206(b) and (c).

- (b) Except as elsewhere in this Part 2 provided, no person shall cause or allow the emission of impulsive sound from any existing property-line-noise-source involving impact forging operations to any receiving Class A or B land which exceeds the allowable A-weighted sound levels, measured with fast dynamic characteristic, specified in Table 6, when measured at any point within such receiving Class A or B land, provided, however, that no measurement of sound levels shall be made less than 25 feet from such property-line-noise-source.

TABLE 6

Allowable A-weighted Sound Levels in Decibels of Impulsive Sound Emitted to Receiving Class A or B

Land from any Existing Property-Line-Noise-Source Involving Impact Forging Operations

| <u>Class B Land</u> | <u>Class A Land</u> | |
|---------------------|---------------------|------------------|
| | <u>Daytime</u> | <u>Nighttime</u> |
| <u>72</u> | <u>66</u> | <u>56</u> |

(c) Except as elsewhere in this Part 2 provided, no person shall cause or allow the emission of impulsive sound from any new property-line-noise-source involving forging operations to any receiving Class A or B land which exceeds the allowable A-weighted sound levels, measured with fast dynamic characteristic, specified in Table 7, when measured at any point within such receiving Class A or B land, provided, however, that no measurement of sound levels shall be made less than 25 feet from such property-line-noise-source.

TABLE 7

Allowable A-weighted Sound Levels in Decibels of Impulsive Sound Emitted to Receiving Class A or B Land from any New Property-Line-Noise-Source Involving Impact Forging Operations

| <u>Class B Land</u> | <u>Class A Land</u> | |
|---------------------|---------------------|------------------|
| | <u>Daytime</u> | <u>Nighttime</u> |
| <u>67</u> | <u>61</u> | <u>51</u> |

Rule 209: COMPLIANCE DATES FOR PART 2


(h) ~~Every owner or operator of Class C land on which forging operations are now conducted shall have three years from the effective date of this Chapter to bring sound from the impact of forging hammers into full compliance with the limits specified in Rule 206 for emissions to any receiving land.~~

Every owner or operator of an existing property-line-noise-source involving impact forging operations shall comply with the standards and limitations of Rule 206 of this Chapter on or before July 1, 1981; provided, however, that no measurement of sound levels shall be made less than 25 feet from the property-line-noise-source.

IT IS SO ORDERED.

Mr. Werner dissents.

I, Christan L. Moffett, Clerk of the Illinois Pollution Control Board, hereby certify that the above order was adopted on the 4th day of September, 1980 by a vote of 4-1.



Christan L. Moffett Clerk
Illinois Pollution Control Board