

ILLINOIS POLLUTION CONTROL BOARD
February 7, 1980

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

PROPOSED ORDER OF THE BOARD (by Mr. Goodman):

The Board hereby proposes to adopt the following amendments to Rules 101, 205, 206 and 209 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 re-designed 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 impul-

sive 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) <u>A-weighted</u> Sound Levels <u>in Decibels</u> of Impulsive Sound <u>Emitted to Designated Classes-of</u> Receiving Land <u>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>

(d) For purposes of enforcing Rule 206 only, the land use classifications in effect on (the effective date of the rule) for land located within 1000 feet of the property line of existing impact forging operations and the land use classifications in effect within 1000 feet of the property line of a new impact forging operation at the time construction is begun shall remain the applicable land use classification, unless such actual changes would impose less restrictive limitations on the impact forging operation.

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

- (1) shall have six months from the effective date of this Amendment within which to comply with the standards and limitations of Rule 206(b) of this Chapter, if the maximum impulsive sounds from such impact forging operations exceed an A-weighted sound level of 77 dB when measured at any point within a receiving Class A land, provided, however, that no measurement of sound levels shall be made less than 25 feet from the property-line-noise-source;
- (2) shall have twelve months from the effective date of this Amendment within which to comply with the standards and limitations of Rule 206(b) of this Chapter, if the maximum impulsive sounds from such impact forging operations exceed an A-weighted sound level of 68 dB and do not exceed an A-weighted sound level of 77 dB when measured at any point within a receiving Class A land, provided, however, that no measurement of sound levels shall be made less than 25 feet from the property-line-noise-source; and
- (3) shall have except as provided in Rule 209(h)(1) and Rule 209(h)(2) eighteen months from the effective date of this Amendment within which to comply with the standards and limitations of Rule 206(b) of this Chapter.

IT IS SO ORDERED.

Mr. Dumelle Dissents.

I, Christan L. Moffett, Clerk of the Illinois Pollution Control Board, hereby certify the above Order was adopted on the 7th day of February, 1980 by a vote of 3-1.


Christan L. Moffett, Clerk
Illinois Pollution Control Board