**Section 901.105 Impact Forging Operations**

a) For purposes of this Section, only the following are applicable:

1) "Daytime hours" means any continuous 16 hour period between 6:00 a.m. and 11:00 p.m. local time.

2) "Nighttime hours" means the 8 hours between 10:00 p.m. and 7:00 a.m. that are not part of the 16 continuous daytime hours.

3) The reference time for Leq, as defined in 35 Ill. Adm. Code 900.101, is one hour.

4) "New impact forging operation" means a property-line noise source comprised of impact forging operation on which construction began after September 1, 1982.

5) "Existing impact forging operation" means a property-line noise source comprised of impact forging operations that were in existence on September 1, 1982.

b) Emission Limitations for New Impact Forging Operation

A new impact forging operation must not cause or allow the emission of impulsive sound to any receiving Class A or B land that exceeds the allowable sound levels specified in the following table, when measured at any point within the receiving land. Sound pressure levels must be measured at least 25 feet from the new impact forging operation's property-line.

|  |  |  |
| --- | --- | --- |
| Allowable Highly Impulsive Sound Levels (Leq) in Decibels Emitted to Class A or B Land from New Impact Forging Operation | | |
| Class B Land | Class A Land | |
|  | Daytime | Nighttime |
| 59.5 | 53.5 | 48.5 |

c) Limitations for Existing Impact Forging Operation

Unless granted a permanent site-specific allowable operational level pursuant to subsection (d), an existing impact forging operation must not cause or allow the emission of highly impulsive sound to any receiving Class A or B land that exceeds the allowable sound levels specified in the following table, when measured at any point within the receiving land. Sound pressure levels must be measured at least 25 feet from the existing impact forging operation's property line.

|  |  |  |
| --- | --- | --- |
| Allowable Highly Impulsive Sound Levels (Leq) in Decibels Emitted to Class A or B Land from Existing Impact Forging Operation | | |
| Class B Land | Class A Land | |
|  | Daytime | Nighttime |
| 64.5 | 58.5 | 53.5 |

d) Site Specific Allowable Operational Level for Existing Impact Forging Operation

1) An existing impact forging operation that does not comply with subsection (c) may seek a permanent site-specific allowable operational level from the Board. A permanent site-specific level is the level of operation allowed for a petitioner after review and approval by the Board and after implementation of abatement measures, if any, approved by the Board.

2) Any existing impact forging operation seeking a permanent site-specific operational level must submit with its petition the following:

A) The location of the petitioner, a description of the surrounding community, and a map locating the petitioner within the community;

B) A description of the petitioner's operations, the number and size of the petitioner's forging hammers, the current hours of hammer operation, the approximate number of forgings manufactured during each of the three prior calendar years and the approximate number of hammer blows used to manufacture the forgings;

C) A description of any existing sound abatement measure;

D) The sound levels in excess of those permitted by subsection (c) emitted by the petitioner into the community, in 5 decibel increments measured in Leq, shown on the map of the community;

E) The number of residences exposed to sound levels in excess of those permitted by subsection (c);

F) A description of other significant sources of noise (mobile and stationary) and their location shown on the map of the community;

G) A description of the proposed operational level and proposed physical abatement measures, if any, a schedule for their implementation and their costs;

H) The predicted improvement in community sound levels as a result of implementation of the proposed abatement measures; and

I) A description of the economic and technical considerations that justify the permanent site specific allowable operational level sought by the petitioner.

e) Land Use Classifications Preserved

The land use classifications in effect within a one-mile radius of an existing impact forging operation on September 1, 1982 remain the applicable land use classifications for enforcement of this Section against an existing forging operation and its future modification, regardless of actual subsequent changes in land use; unless those actual changes would impose less restrictive limitations on the impact forging operations.

f) Site-Specific Operational Levels

Each individual existing forging operation identified in Sections 901.110 through 901.122 must comply with either the site-specific operational level defined in those Sections or the allowable sound levels in Section 901.105(c).

(Source: Amended at 42 Ill. Reg. 20453, effective November 1, 2018)