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**GB**

**NATIONAL STANDARD OF  
THE PEOPLE'S REPUBLIC OF CHINA**  
中华人民共和国国家标准

**GB 12348-2008**  
Replace GB 1234-2008, GB 12349-90

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**Emission Standard for Industrial Enterprises**  
**Noise at Boundary**  
工业企业厂界环境噪声排放标准

**Issued on August 19, 2008**

**Implemented on October 10, 2008**

**Jointly Issued by** the Ministry of Environmental Protection (MOEP) and  
the General Administration of Quality Supervision,  
Inspection and Quarantine (GAQSIQ) of the People's  
Republic of China

# Ministry of Environmental Protection of the People's Republic of China Announcement

2008 No.44

For implementing "Environmental Protection Law of the People's Republic of China" and "The Law of the People's Republic of China on Prevention and Control of Pollution From Environmental Noise" and for the purpose of preventing and controlling environmental noise pollution, protecting and improving the living environment, ensuring human health and promoting economic and social sustainable development, approved the "Emission standard for industrial enterprises noise at boundary" and "Emission standard for community noise" the emission standard for state environment noise and were jointly issued by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China and our department.

Standard name, numbers as follows:

1. Emission standard for industrial enterprises noise at boundary (GB 12348-2008)
2. Emission standard for community noise (GB 22337-2008)

According to relevant legal rules, above national standard is of compulsory execution effects.

The above standard will be implemented on October 1, 2008.

The above standard was published by "China Environmental Science Press" the content is available on Ministry of Environmental Protection website (bz. mep. gov. cn).

From the implementation date of this standard, "Standard of noise at boundary of industrial enterprises" (GB 12348-90), "Method of measuring noise at boundary of industrial enterprises" (GB 12349-90) will be abolished.

Notice is hereby given.

August 19, 2008

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## Foreword

This Law is enacted for the implementation of "Environmental Protection Law of the People's Republic of China" and "Law of the People's Republic of China on Prevention and Control of Pollution From Environmental Noise" and for the purpose of preventing and controlling industrial noise pollution, improving the noise environment quality.

This standard is the first revision of "Standard of noise at boundary of industrial enterprises" (GB12348-90) and "Method of measuring noise at boundary of industrial enterprises" (GB 12349-90). Compared with the primary standard, this national standard is mainly revised in the following parts:

Combine "Standard of noise at boundary of industrial enterprises" (GB 12348-90) and "Method of measuring noise at boundary of industrial enterprises" (GB 12349-90) to one standard, the name will be changed to "Emission standard for industrial enterprises noise at boundary";

Application scope, background value and correction table of the standard have been revised;

Supplement noise limit value, measuring condition, measuring point's location, measuring point's layout and measuring record of class 0;

Increased some part of terms and definitions, room noise limit value, background noise measurement, measurement result and measurement result evaluation content

This standard was firstly promulgated in 1990 and this version is the first revision.

From the implementation date of this standard, "Standard of noise at boundary of industrial enterprises" (GB 12348-90) and "Method of measuring noise at boundary of industrial enterprises" (GB 12349-90) will be replaced by this standard.

This standard was organized and drawn by the Technical Standard Department of the Ministry of Environmental Protection.

The drafting organization of this standard: Environmental Monitoring of China, Tianjin Environmental Monitoring Center, Fujian Environmental Monitoring Center.

This standard was approved by the Ministry of Environmental Protection on July 17, 2008.

The standard will be implemented on October 1, 2008.

This standard is interpreted by the Ministry of Environmental Protection.

**Emission Standard for Industrial Enterprises Noise at Boundary**  
**工业企业厂界环境噪声排放标准**

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## 1. Application Scope

This standard specifies emission limit and measuring method for industrial enterprise and fixed equipment factory noise at boundary.

This standard is applicable to the noise emission management, evaluation and control of the industrial enterprise. An administrative organ, social group or public institution and etc. that emit noise also shall be in compliance with this standard.

## 2. Normative References

This standard quotes the following documents or some of the clauses. For undated references, the effective edition is applicable to this standard.

GB 3096 Environmental quality standards for noise

GB 3785 Electrical, acoustic performance and testing method of sound level meter

GB/T 3241 Octave and fractional-octave-band filters

GB/T 15173 Acoustic calibrator

GB/T Technical specification of the division of applicable district on urban environment noise

GB/T 17181 Integrating-averaging sound level meter

## 3. Terms and Definitions

The following terms and definitions are applicable to this standard.

### 3.1

#### **Industrial enterprises noise**

Refers to the noise that impairs the living environment of the neighborhood produced by using fixed equipment, measuring and control at the boundary in the industry producing

### 3.2

#### **A-weighted sound pressure level**

A-weighted sound pressure level Sound pressure level measured by A-weighting network is expressed in  $L_A$ , the unit is dB (A).

### 3.3

#### **Equivalent continuous a-weighted sound pressure level**

For short equivalent sound level, which refers to energy mean value of A-weighted sound pressure level measured within the specified time of T, is expressed in T (in short  $L_{eq}$ ), the unit is dB (A). Unless otherwise specified, noise level in this standard all and singular is equivalent sound pressure level.

By definition, equivalent sound level is expressed as:

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