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**Codes for air pollutants**

大气污染物名称代码

**(English Translation)**

**Issued on: December 30, 2009**

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## Foreword

To implement the "Environmental Protection Law of the People's Republic of China", "the People's Republic of China Air Pollution Control Law" to strengthen the supervision of pollution control Management, protection of environmental information processing and exchange work in an orderly manner, unified the name and code of air pollutants, the development of this standard.

This standard for environmental management, environmental statistics, environmental monitoring, environmental impact assessment, emissions trading, pollution accident emergency treatment, all kinds Atmospheric environmental quality standards, various types of air pollutant discharge standards, environmental protection international compliance, environmental science research, environmental engineering, environment and Health and other related air pollutants and related indicators for classification, list and write code.

This standard specifies the name and code of air pollutants.

Appendix A of this standard is a normative appendix.

This standard is the first release.

This standard is organized by the Ministry of Environmental Protection Science and Technology Standards Division.

The drafting of this standard. Environmental Information Department of the Ministry of Environmental Protection, Jiangsu Province Environmental Information Center.

The environmental protection department of this standard approved on December 30,

2009.

This standard has been implemented since April 1, 2010.

This standard is explained by the Ministry of Environmental Protection.

Air Pollutant Name Code

## **1 Scope of application**

This standard for environmental management, environmental statistics, environmental monitoring, environmental impact assessment, emissions trading, pollution accident emergency treatment, all kinds Atmospheric environmental quality standards, various types of air pollutant discharge standards, environmental protection international compliance, environmental science research, environmental engineering, environment and Health and laboratory information systems and other business involved in the classification of air pollutants and related indicators, list, the provisions of the name of the air pollutants on behalf of code.

Applicable to all levels of environmental protection departments of the relevant information on the collection of air pollutants, exchange, storage, processing, use and environmental information System construction management.

## **2 Normative reference documents**

The contents of this standard refer to the terms of the following documents. For undated references, the valid version applies to this standard.

Basic Principles and Methods of Information Classification and Coding Common terminology for classification and coding GB/T 10113

## **3 Terms and definitions**

The terms and definitions established in GB/T 10113, and the following terms and definitions apply to this standard.

### **3.1 Atmosphere**

Refers to the air surrounding the surface of the earth by a certain percentage of nitrogen, oxygen, carbon dioxide, water vapor and other trace gases, liquids and solids Impurities, particles and other components of the mixture.

Waste gas

Refers to the human life, industrial production or power machinery operation generated by the process of useless gas.

## Air pollution

Due to human activities or natural processes, so that the concentration of emissions to the atmosphere of the material and the duration of more than a certain scale under the atmospheric environment the limits that can be allowed to reach the extent of the damage, so as to undermine the conditions for the normal survival and development of ecosystems and humans, to humans, animals and plants, and Equipment, material and other aspects of direct or indirect damage caused by the phenomenon.

## Air pollutants

Substances that have a harmful effect on people or the environment when the human activity or natural process is discharged into the atmosphere and the concentration exceeds a certain standard.

### 3.5 Air pollution indicators

Reflect the quality of air or pollution, including but not limited to specific chemical substances, covering physical indicators, chemical indicators, thermal pollution indicators, Biological indicators, radioactive indicators, other indicators.

Classification of air pollution indicators According to the characteristics of the physical and chemical characteristics of air pollutants, nature, structure and related indicators, according to certain rules to distinguish and classify them process. Through the classification of air pollutants and related indicators can be arranged in order, easy to manage and use.

Representation of air pollutants and related indicators of one or a group of characters, with a hierarchical, unique.

Code of air pollutant encoding of air pollutants on the basis of research, collection and classification of air pollutants and related indicators, according to the information classification and coding principles, to the air pollution Dye and related indicators to the code process.

Air pollutants code table air pollutants code table the classification and coding of air pollutants after the form of expression. Is to arrange air pollutants and related indicators by category and list each Code of air pollutants or related indicators. The air pollutant name code table mainly includes codes of air pollutants and related indicators, Chinese and English names, chemical symbols, CAS numbers, aliases and so on.

### 3.10 Air Pollutant Code Table XML Data Schema XML schema for air pollutants code table

Describe and define the data structure of the air pollutant code table in XML, which is easy to be unified and stipulates that the atmosphere in all kinds of environmental information systems Storage and use of contaminant code tables.

#### **4.1 Scientific principles**

According to the most stable nature of air pollutants and related indicators of the nature and structure of the classification, the appropriate combination of application habits.

#### **4.2 Practical principles**

The classification of air pollutants should be comprehensive and practical to meet the needs of air pollutants in China's environmental management business for a long period of time.

Seeking, focusing on important pollutants listed separately, highlighting the focus and facilitating retrieval. For the construction of China's environmental online monitoring system in fact, with the air quality automatic monitoring, air pollution sources on-line monitoring related to the auxiliary parameters, the detection factor is also included in the air pollutant name code table.

#### **4.3 Extensibility principle**

With the development of science and technology and social progress, there will be more new synthetic or newly detected air pollutants are concerned, so in the category Expand the reserved space to ensure that the classification system has a certain adaptability, can be extended in the coding system.

### **5.1 Basic methods**

The basic classification method in this standard follows the provisions and requirements of GB/T 7027.

### **5.2 Air Pollutant Classification Method**

According to the physical and chemical properties of air pollutants and structural characteristics, suitable for the use of line classification method for classification, and for some special or use Vertical ns Rhitheric composition nights ends composition calling roundsy composition stratifier?s. Decision drafts Results. The classification of air pollutants is classified by line classification and supplemented by surface classification law.

Air pollutant classification of a class category, according to the structure of air pollutants and physical and chemical properties of air pollutants will be divided into 23 categories.

#### **6.1.1 Uniqueness**

Assign a code to each air pollutant or associated indicator, and a code uniquely identifies an air pollutant or associated indicator.