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HJ

**INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

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Codes for Combustion Method Classification

燃烧方式代码

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30 Entrained flow bed combustion (chamber combustion)

40 Internal combustion engine combustion

42 Compression ignition internal combustion engine

50 Special combustion method

51 Pulsating combustion

52 Pulse detonation combustion

53 Supersonic combustion

54 Rocket propellant combustion includes the combustion process of various rocket propellants

90 Other combustion methods

Foreword

In order to promote the construction of environmental information, establish and improve the environmental information standard system to provide environmental information

processing and exchange Technical support, ensuring the orderly processing and exchange of combustion type information, and unifying the classification and code of combustion methods.

Set this standard.

This standard specifies the classification and code of the combustion method.

This standard is the first release.

This standard was formulated by the Science and Technology Standards Department of the Ministry of Environmental Protection.

This standard was drafted. Information Center of the Ministry of Environmental Protection, Beijing University of Science and Technology.

This standard was approved by the Ministry of Environmental Protection on December 21, 2009.

This standard has been implemented since March 1, 2010.

This standard is explained by the Ministry of Environmental Protection.

Combustion mode code

1 Scope of application

This standard specifies the classification and code of the combustion method.

This standard is applicable to the collection, exchange, processing and use of information on combustion methods at all levels of environmental protection departments across the country.

Management of the construction of environmental management information systems.

2 Normative references

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

GB/T 7027 Basic principles and methods of information classification and coding

3 Terms and definitions

The following terms and definitions apply to this standard.

Classification of combustion methods the process of distinguishing and classifying information attributes or characteristics classified according to the combustion method according to certain rules.

The combustion method establishes a certain classification system and the order of arrangement.

A collection of things that have a common attribute, also known as a category.

Classification system the whole of the interrelated categories formed after classification.

Combustion mode code A character or set of characters representing the burning mode category.

Combustion mode coding Based on the classification of combustion methods, the process of assigning codes to the combustion mode category.

Code table

The form of expression after classification of combustion methods. The code table in this standard mainly includes the code of the combustion mode category.

Names and notes, etc.

4.1 Scientific principles

According to the most stable information attribute of the combustion method and the logical association existing in it, as the basis of classification, and considering the burning side Characteristics and development requirements.

4.2 Practical Principles

When classifying combustion methods, the category setting should be comprehensive and practical. The important and important combustion methods should be regarded as the first category.

Listed.

4.3 Stability Principle

When classifying combustion methods, we should combine the results of years of combustion technology work in China and consider the points that some departments are using.

Class and coding.

4.4 Extensibility Principle

Reserve space on the expansion of the combustion method category to ensure that the classification system has certain flexibility and can be performed on this classification system.

Extension and refinement. Under the premise of maintaining the classification system, the

applicable classification rules are allowed to be developed under the final classification.

4.5 Compatibility Principle

Coordinate with relevant information classification standards existing in the country, maintain the continuity of inheritance and actual use, and related countries the standard is consistent.

5.1 Basic methods

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

5.2 Classification method of combustion method

This standard adopts the surface classification method for the combustion reaction bed form, combustion equipment and combustion mechanism, for the specific combustion process, the combustion parameters and combustion pollution characteristics are determined by line classification.

The classification of combustion methods is classified into a first-class category, which is classified into six categories according to specific combustion processes, combustion parameters, and combustion pollution characteristics.

6.1.1 Uniqueness

There is only one code for each type of combustion, and one code represents only one type of combustion.

6.1.2 Rationality

The code structure is adapted to the classification system.

6.1.3 Extensibility

Have appropriate backup capacity to accommodate the ever-expanding needs.

6.1.4 Simplicity

The code structure is as concise as possible and the length is appropriate to save machine storage space and reduce the error rate of the code.

6.1.5 Stability

Once the combustion mode code is determined, it should remain unchanged.