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

GB 4915-2013

**Emission standard of air pollutants for cement industry
(English Translation)**

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1 Scope

This Standard specifies the emission limit, monitoring and supervision management requirements of air pollutants that are generated by cement manufacturing enterprises (including independent grinding plants), cement raw material mine, bulk cement exchange station, cement product enterprises and their production facilities.

This Standard is applicable to the air pollutant emission-management FOR existing enterprises of cement industry or their production facilities; as well as the environmental impact assessment, design on environmental protection facilities, completion environmental protection acceptance, and mass production FOR construction projects of cement industry.

For those that use cement kiln to co-process solid wastes, except to execute this Standard, the corresponding regulations of national standards for pollution control shall also be executed.

This Standard is applicable to the pollutant emission behaviors that are lawfully permitted. For site selection of new-set pollution sources AND management of existing pollution sources in special protection areas, it shall be executed in accordance with the relevant provisions, regulations and laws, such as "The People's Republic of China on the prevention and Control of air pollution, Water

Pollution Prevention and Control Law of the People's Republic of China", "The Marine

Environmental Protection Law of the People's Republic of China", "Solid Waste Pollution

Environment Protection Law of the People's Republic of China", "The environmental impact assessment law of the People's Republic of China".

2 Normative References

This Standard has quoted the following documents or their clauses. For undated documents, the latest version is applicable to this Standard.

GB/T 15432 Ambient Air - Determination of Total Suspended Particulates - Gravimetric Method

GB/T 16157 The Determination of Particulates And Sampling Methods of Gaseous Pollutants

Emitted from Exhaust Gas of Stationary Source

HJ/T 42 Stationary Source Emission - Determination of Nitrogen Oxide - Ultraviolet Spectrophotometric Method

HJ/T 43 Stationary Source Emission -Stationary source emission - Determination of nitrogen oxide - N-(1-naphthyl) - ethylenediamine dihydrochloride spectrophotometric method

HJ/T 55 Technical Guidelines for Fugitive Emission Monitoring of Air Pollutants

HJ/T 56 Determination of Sulphur Dioxide from Exhausted Gas of Stationary Source Iodine Titration Method

HJ/T 57 Determination of Sulphur Dioxide from Exhausted Gas of Stationary Source Fixed -
Potential Electrolysis Method

HJ/T 67 Stationary Source Emission - Determination of Fluoride - Ion Selective Electrode Method

3 Terms and definitions

The following terms and definitions are applicable to this Standard.

3.1 Cement industry

In this Standard, it refers to the industrial sectors that are engaged in cement raw material mine exploiting, cement manufacturing, bulk cement transporting and cement product producing.

3.2 Cement kiln

It is a kind of cement clinker calcining equipment; it includes two types - rotary kiln and shaft kiln.

3.5 Crusher, mill, packing machine and other ventilation equipments

Crusher refers to various equipment that can break granular materials; mill is all kinds of material grinding equipment system (excluding drying grinding and coal grinding); packing machine refers to all types of cement packing equipment (including cement bulk storehouse); other ventilation equipments refer to other production equipment for ventilation, except the above main production equipment, it includes material conveying equipment, stock bins and various storage caverns, etc.

3.10 Stack height

It is the height BETWEEN the ground level where the exhaust funnel (or its main building construction) is located in AND the exhaust funnel exit. The unit is m.

3.11 Fugitive emission

It means irregular emission that air pollutants do not go through the exhaust funnel; it mainly includes the dust of material stockpiling in workplace and open-type conveyance, and air pollutant leakage of equipment and pipelines, etc.

4.1 Emission limit of exhaust funnel's air pollutant emission

4.1.1

Existing enterprises shall continue to implement GB 4915-2004 until June 30, 2015; and execute the emission limit of air pollutants stipulated in Table 1, since July 1, 2015.

4.3 Gathering, processing and emission of exhaust gas

4.3.1

For the production process and equipment that can generate air pollutants, it must set up the local or overall gas gathering system and purification treatment device, so as to meet the emission standard.

4.4 Quality monitoring of surrounding environment

For existing enterprise's production and the production of constructing projects that has passed the environmental protection acceptance, during the production process, the competent department of environmental protection who is responsible for supervision and management shall conduct environmental quality monitoring to the surrounding sensitive

areas where are used for living, education and medical purposes etc. For construction projects, the specified monitoring scope is the surrounding sensitive areas that are determined by the environmental impact assessment.

5 Pollutant monitoring requirements

5.1

Enterprises shall establish enterprise monitoring system; formulate monitoring plan; carry out automatic monitoring on pollutant emission situations and the surrounding environmental quality;

safe-keep the original monitoring records; and publish monitoring results in accordance with relevant laws and regulations of Management Methods of Environmental Monitoring, etc.

5.3

Enterprises shall design, construct, maintain the permanent sampling points, sampling test platform and drainage outlet marks, in accordance with the requirements of administrative provisions of environmental monitoring and technical specifications.

5.5

The method standard listed in Table 4 shall be applied to measure emission concentration of air pollutants.

6.1 The environmental protection administrative department of People's government above the

county level shall be responsible for supervising the implementation of this Standard.

6.2 In any case, all enterprises of cement industry shall comply with the requirements of emission control on air pollutants as stipulated by this Standard, and take necessary measures to guarantee the normal functioning of pollution prevention facilities.

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