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

**GB 30485-2013**

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**Standard for pollution control on co-processing of solid wastes  
in cement kiln**

水泥窑协同处置固体废物污染控制标准

**(English Translation)**

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### Foreword

This Standard is hereby prepared to carry out Environmental Protection Law of the People's Republic of China, Law of the People's Republic of China on Prevention of Environmental Pollution

Caused by Solid Waste, Law of the People's Republic of China on Prevention and Control of

Atmospheric Pollution, Circular Economy Promotion Law of the People's Republic of China, Law of

the People's Republic of China on Product Quality, and other laws and regulations to protect

the environment, prevent and control the pollution caused during the process of co-processing solid wastes in the cement kiln, and to improve the production process and pollution control technology.

This Standard specifies the technical requirements for cement kiln facilities for co-processing solid wastes, property requirements of wastes entering the kiln, technical requirements for operation, emission limits of pollutants, control requirements, monitoring, supervision and management requirements for pollutants caused by cement products

manufactured.

This Standard is first-time issued.

Emission of water pollutants, environment noises caused during the process of co-processing solid wastes in cement kiln is subject to relevant national emission standards for pollutants. And the identification, treatment and disposal of solids wastes caused are subject to relevant national control standards for solid waste pollution.

Emission limits of the pollutants specified in this Standard are the basic requirements.

Local provincial governments may develop local emission standard of pollutants for pollutant items that are not covered in this Standard. It may develop local emission standard of pollutants stricter than this Standard for pollutant items that are already covered in this Standard. If the limit values approved by the environmental influence assessment are stricter than that of this Standard or local standard, the limit values approved by the environmental influence assessment shall prevail.

This Standard was organized and formulated by Department of Science, Technology and Standards, Ministry of Environmental Protection of the People's Republic of China.

Drafting organizations of this Standard. Chinese Research Academy of Environmental Sciences, China Building Materials Academy, Beijing Jinyu Mangrove Environmental Protection Technology Co., Ltd., and Foreign Economic Cooperation Office, Ministry of Environmental Protection.

The Standard was approved by Ministry of Environmental Protection on December 16, 2013.

This Standard will be implemented on March 1, 2014.

The Ministry of Environmental Protection is responsible for the interpretation of this Standard.

Standard for pollution control on co-processing of  
solid wastes in cement kiln

## 1 Scope of application

This Standard specifies the technical requirements for cement kiln facilities for co-processing solid wastes, property requirements of wastes entering the kiln, technical requirements for operation, emission limit of pollutants, control requirements, monitoring, supervision and management requirements for pollutants caused by cement products manufactured.

This Standard is applicable to the pollution control, supervision and management during the process of co-processing hazardous wastes, household wastes (including waste plastics, waste rubbers, waste paper, waste tire, etc.), sludge caused by urban and industrial wastewater treatment, processing waste of animals and plants, polluted soil, emergency wastes and other solid wastes using cement kiln. When using cement kiln to co-process household wastes, if the mass of household wastes added exceeds 30% of the total mass of kiln (furnace) materials, the Standard for Pollution Control on the Municipal Solid Waste Incineration shall be executed.

This Standard applies to the behavior of pollutants emission allowed by law. Site selection of newly established pollution source and management of existing pollution source within the special protection zone shall be executed in accordance with relevant provisions of Law of the Peoples Republic of China on the Prevention and Control of Atmospheric Pollution, Law of the Peoples Republic of China on the Prevention and Control of Water Pollution, Marine Environment Protection Law of the Peoples Republic of China, Law of the People's Republic of China on Prevention of Environmental Pollution Caused by Solid Waste, Law of the Peoples Republic of China on Prevention and Control of Radioactive Pollution, Law of the People's Republic of China on Appraising of Environment Impacts and other laws, regulations and rules.

## 2 Normative references

The articles contained in the following documents have become part of this Standard when they are quoted herein. For the undated documents so quoted, the latest editions shall be applicable to this Standard.

GB 4915 Emission standard of air pollutants for cement industry

GB 14554 Emission standard for odor pollutants

GB 18597 Standard for pollution control on hazardous waste storage

GB/T 16157 The determination of particulates and sampling methods of gaseous pollutants emitted from exhaust gas of stationary source

HJ 77.2 Ambient air and waste gas Determination of polychlorinated dibenzo-p-dioxins (PCDDs) and polychlorinated dibenzofurans (PCDFs)

HJ 543 Stationary source emission. Determination of mercury. Cold atomic absorption spectrophotometry (Provisional)

HJ 657 Ambient air and stationary source emission - Determination of metals in ambient particulate matter - Inductively coupled plasma/mass spectrometry (ICP-MS)

### 3 Terms and definitions

For the purpose of this Standard, the following terms and definitions apply.

#### 3.1

Co-processing in cement kiln

It refers to the harmless treatment process. Solid wastes that meet the requirements or meet the requirements after pre-treatment for entering the kiln are put into the cement kiln, so that the harmless treatment process of solid wastes is achieved while the cement clinker is being manufactured.

#### 3.2

Solid wastes

It refers to the solid, semi-solid goods and substances, and gaseous ones in containers that have lost original value in use, or have not lost original value in use but have been abandoned in production, life and other activities; as well as the goods and substance incorporated into solid waste management by provisions of laws and administrative regulations, including liquid waste (except for the wastewater discharged into water).

#### 3.3