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

HJ 886-2018

**Technical guidelines of accounting method for pollution source
intensity cement industry**

污染源源强核算技术指南 水泥工业

(English Translation)

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Foreword

To implement the Environmental Protection Law of the People's Republic of China, the Environmental Impact Assessment Law of the People's Republic of China, and the Chinese People Law of the Republic of China on Prevention and Control of Atmospheric Pollution, Law of the People's Republic of China on Prevention and Control of Water Pollution, Environmental Pollution Prevention and Control Laws and Regulations, "The Law of the People's Republic of China on the Prevention and Control of Environmental Pollution by Solid Wastes" and other laws and regulations, improve the environmental impact assessment of construction projects the price technical support system guides and regulates the strong accounting work of the pollution source of the cement industry and formulates this standard.

This standard specifies exhaust gas pollutants, wastewater pollutants, noise, and solid in environmental impact assessment of cement industry construction projects.

The procedures, methods and selection principles, contents and requirements for the strong accounting of body waste sources.

Appendix A to Appendix F of this standard are informative annexes.

This standard is the first release.

This standard is formulated by the Environmental Impact Assessment Department and the Science and Technology Standards Department of the Ministry of Environmental Protection (now the Ministry of Ecology and Environment).

This standard is mainly drafted by. Environmental Engineering Evaluation Center of the Ministry of Environmental Protection, Sinoma Geological Engineering Exploration Research Institute the company.

This standard is approved by the Ministry of Ecology and Environment on March 27, 2018.

This standard has been implemented since March 27, 2018.

This standard is explained by the Ministry of Ecology and Environment.

1 Pollution Sources Strong Accounting Technical Guide Cement Industry

1 Scope of application this standard stipulates the procedures, methods and selection principles, contents and requirements for the strong accounting of pollution sources in the cement industry.

This standard is applicable to the new (reconstruction, expansion) construction project pollution source and existing engineering in the environmental impact assessment of cement industry construction projects.

The source of pollution is strongly accounted for.

This standard applies to the source and power accounting under normal and abnormal conditions of the cement industry, and is not suitable for sudden leakage, fire, explosion.

Source strength accounting in case of accidents.

This standard is applicable to exhaust pollutants, wastewater pollutants, noise, etc. in cement clinker manufacturing, cement grinding and other production processes.

The strong source of solid waste is not applicable to the strong nuclear source of the characteristic pollutants emitted by the cement kiln in the process of co-processing solid waste.

Count. Bulk cement transfer and production of cement products can be referred to. The boiler source that implements GB 13223 is in accordance with the source of pollution.

Strong accounting technology guide thermal power (HJ 888) for accounting; implementation of GB 13271 boiler source strength according to "the source of pollution Accounting Technology Guide Boiler for accounting.

2 Normative references

This standard refers to the following documents or their terms. For undated references, the latest edition applies to this standard.

GB 4915 Emission Standard for Air Pollutants in Cement Industry GB 8978 Integrated

Wastewater Discharge Standard GB 12348 industrial enterprise boundary environmental noise emission standards GB 13223 Standard for emission of atmospheric pollutants from thermal power plants GB 13271 Boiler Air Pollutant Emission Standard GB 50015 Building Water Supply and Drainage Design Code GB/T 16157 Determination of particulate matter in fixed pollution source exhaust gas and sampling method of gaseous pollutants HJ 2.1 General Outline of Technical Guidelines for Environmental Impact Assessment of Construction Projects HJ 2.2 Technical Guidelines for Environmental Impact Assessment Atmospheric Environment HJ/T 2.3 Technical Guidelines for Environmental Impact Assessment Surface Water Environment HJ 2.4 Environmental Impact Assessment Technical Guidelines Acoustic Environment HJ 75 Fixed Pollution Source Flue Gas (SO₂, NO_x, Particulate Matter) Emissions Continuous Monitoring Technical Specification Technical requirements for continuous monitoring system for HJ 76 fixed pollution source flue gas (SO₂, NO_x, particulate matter) and detection method HJ/T 91 Surface Water and Wastewater Monitoring Technical Specifications Technical Specifications for Operation and Assessment of HJ/T 355 Water Pollution Source Online Monitoring System (Trial) HJ/T 356 Water Pollution Source Online Monitoring System Data Validity Discrimination Technical Specification (Trial) 2HJ/T 373 Technical Specifications for Quality Assurance and Quality Control of Fixed Pollution Source Monitoring (Trial) HJ/T 397 Fixed Source Exhaust Gas Monitoring Technical Specification HJ 434 Cement Industry Dust Removal Engineering Technical Specification HJ 848 sewage unit self-monitoring technical guide cement industry HJ 884 Guidelines for the Guidelines for Sources of Pollution Sources HJ 888 Pollution Source Power Accounting Technical Guide HJ -- Pollution Sources Strong Accounting Technical Guide Boiler

3 Terms and definitions

The following terms and definitions apply to this standard.

Waste heat utilization system of kiln exhaust gas Introduce cement kiln exhaust gas, use waste heat of waste gas to dry materials, generate electricity, etc., and clean the waste gas after waste heat utilization Processed system.

4.1 Accounting procedures

The strong source accounting procedures include pollution source identification and pollutant determination, accounting methods and parameter selection, source strength accounting, the results of the calculation, etc., see HJ 884 for details. Identification of pollution sources and determination of pollutants should also comply with HJ 2.1, HJ 2.2, HJ/T 2.3, HJ 2.4 and other technical guidelines and GB 4915, GB 8978, GB 12348 and other relevant emission standards.

The discharge of pollutants should include both normal and abnormal conditions (including cement kiln start, stop, etc.).

Emissions.

4.2.1 General principles

The accounting methods include the actual measurement method, the analogy method, the material balance algorithm and the sewage coefficient method. The accounting method and the order of selection are shown in the table.

3 Table 1 Source strength accounting method selection list enterprise Types of surroundings Major pollution factors Accounting method and prioritization New (reform, expansion) Engineering pollution source Existing engineering Source of pollution cement (cooked Raw material Production enterprise Exhaust gas Cement kiln and kiln waste heat System Particulate matter, nitrogen oxides (in terms of NO₂), fluoride (to Total F count) Analogy method 2. Sewage coefficient method 1. The actual measurement method;

2. Analogy a

SO₂

1. Material balance algorithm;

2. Analogy method;

3. Sewage coefficient method 1. The actual measurement method;

2. Analogy method a;

3. Material balance algorithm Ammonia b analogy method 1. actual measurement method;

2. analogy method a Mercury and its compounds 1. Material balance algorithm; 2. Analogy method 1. The actual measurement method;

2. Analogy method a;

3. Material balance algorithm Coal mill, cooling machine, crushing Machine, mill, packaging machine and Other ventilation production equipment Particulate matter 1. analogy method;

2. blowdown coefficient method 1. The actual measurement method;

2. Analogy a

Dryer, drying mill

Particulate matter, nitrogen oxides NO₂ meter) c analogy 1. The actual measurement method;

2. Analogy a

SO₂ c 1. Material balance algorithm; 2. Analogy method 1. The actual measurement method;

2. Analogy method a;