

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

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**Technical guidelines of accounting method for pollution source
intensity nonferrous metal smelting industry**

污染源强核算技术指南 有色金属冶炼

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Foreword

In order 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 Dyeing Prevention and Control Law, Law of the People's Republic of China on Prevention and Control of Water Pollution, Law of the People's Republic of China on Prevention and Control of Environmental Noise Pollution, Laws and regulations on the prevention and control of environmental pollution by solid waste, improve the system of strong accounting methods for fixed sources of pollution, and guide and standardize the smelting of non-ferrous metals this standard is formulated for the strong accounting of sources of pollution.

This standard stipulates the basic principles, contents and methods for the strong accounting of waste gas, waste water, noise and solid waste pollution sources in the non-ferrous metal smelting industry.

And requirements, etc.

Appendix A of this standard is a normative appendix, and Appendix B~Appendix F is an informative appendix.

This standard is the first release.

This standard is formulated by the Department of Environmental Impact Assessment and Emission Management of the Ministry of Ecology and Environment, and the Department of Regulations and Standards.

This standard was drafted. Environmental Engineering Evaluation Center of the Ministry of Environmental Protection, Beijing Mining and Metallurgical Technology Group Co., Ltd.

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

This standard has been implemented since January 1, 2019.

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

Technical guide for strong source of pollution sources, non-ferrous metal smelting

1 Scope of application

This standard stipulates the basic principles, contents, methods and requirements for the strong accounting of pollution sources in the non-ferrous metal smelting industry.

This standard is applicable to the new (reconstruction, expansion) construction project pollution source of the non-ferrous metal smelting industry and the strong accounting of existing engineering pollution sources.

This standard is applicable to the strong accounting of normal and abnormal emissions in the non-ferrous metal smelting industry, and is not applicable to sudden leakage, fire, explosion, etc.

Therefore, the source is accounted for in the case.

This standard applies to the exhaust gas and waste of non-ferrous metal smelting production processes such as copper, aluminum, lead, zinc, nickel, cobalt, tin, antimony, mercury, magnesium, titanium, etc.

The source of water, noise and solid waste pollution is not suitable for independent production of recycled non-ferrous metals and comprehensive recovery of secondary resources.

Cheng. The boiler source of GB 13223 is calculated according to HJ 888; the source of boiler pollution of GB 13271 is strong according to the pot.

The furnace source of energy source accounting technology guide accounting.

2 Normative references

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

GB 12348 Environmental noise emission standards for industrial enterprises GB 13223 Thermal Power Plant Emission Standards for Thermal Power Plants GB 13271 Boiler Air Pollutant Emission Standard GB 25465 Aluminum Industry Pollutant Emission Standard GB 25466 Lead and zinc industrial pollutant discharge standards GB 25467 Copper, nickel and cobalt industrial pollutant discharge standards GB 25468 Magnesium and titanium industrial pollutant discharge standards GB 30770 tin, antimony and mercury industrial pollutant discharge standards 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 2.3 Environmental Impact Assessment Technical Guidelines 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 HJ 76 Technical requirements and test methods for continuous monitoring system for fixed pollution source flue gas (SO₂, NO_x, particulate matter) HJ/T 91 Surface Water and Wastewater Monitoring Technical Specifications HJ/T 92 Water Pollutant Total Monitoring Technical Specification HJ/T 353 Water Pollution Source Online Monitoring System Installation Technical Specification (Trial) HJ/T 354 Water Pollution Source Online Monitoring System Acceptance Technical Specification (Trial) 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) HJ/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 630 Environmental Monitoring Quality Management Technical Guidelines HJ 819 General Guidelines for Self-Monitoring Technical Units of Sewage Units HJ 884 Guidelines for Strong Sources of Pollution Sources HJ 888 Pollution Source Power Accounting Technical Guide

3 Terms and definitions

The following terms and definitions apply to this standard.

Environmental fog collecting Refers to the process of collecting unorganized flue gas from the smelting furnace kiln feeding port, discharge port, slag outlet, chute, transfer buns, etc.

Abnormal discharge

Refers to the discharge of pollutants under abnormal conditions of production facilities or pollution prevention (control) measures, such as the flue gas sulphuric acid system caused by the start and stop of the kiln Unable to operate normally, or other process equipment is abnormally operated, pollution prevention facilities are not up to the normal treatment efficiency, synchronous operation rate, etc.

condition.

4.1 General principles

The strong source accounting procedures include pollution source identification and pollutant determination, accounting method and parameter selection, source strength accounting, and accounting results.

For details, see HJ 884 for details.

4.2 Identification of pollution sources

The identification of pollution sources in the non-ferrous metal smelting industry should cover all places and equipment that may generate waste gas, waste water, noise, solid waste pollutants.

Or device, see Appendix A for details.

The identification of pollution sources shall comply with the requirements of HJ 2.1, HJ 2.2, HJ 2.3, HJ 2.4 and so on.

4.3 Determination of pollutants

The determination of pollutants of various pollution sources in the non-ferrous metal smelting industry shall include GB 25465, GB 25466, GB 25467, GB 25468, GB.

For pollutants in national and local emission standards such as 30770, see Appendix A for details. National or local pollutants that may be produced during the production process Pollutants not included in the standard may be based on environmental quality standards, other industry standards, other national emission standards, and local people's governments.

Or the environmental quality improvement requirements of the competent department of ecological environment shall be analyzed and determined according to the raw and auxiliary materials, fuel use and production process.