

HJ

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Technical guidelines of accounting method for pollution source intensity - Textile and dyeing industry

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Foreword

In order to implement the Environmental Protection Law of the People's Republic of China, the Law of the People's Republic of China on Environmental Impact Assessment, Law of the People's Republic of China on the Prevention and Control of Environmental Pollution by the Law of the People's Republic of China on Prevention and Control of Water Pollution Law, "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 strong accounting of fixed sources of pollution the legal system guides and regulates the strong accounting of pollution sources in the textile printing and dyeing industry and formulates this standard.

This standard stipulates the procedures and contents of strong accounting of waste water, waste gas, noise and solid waste pollution sources in textile printing and dyeing industry.

Methods and requirements, etc.

Appendix A of this standard is an informative annex.

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 is mainly drafted by. Environmental Engineering Evaluation Center of the Ministry of Environmental Protection, China Light Industry Clean Production Center, Dalian Polytechnic University.

This standard was approved by the Ministry of Ecology and Environment on December 25, 2018.

This standard has been implemented since March 1, 2019.

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

Technical Guidelines for Strong Sources of Pollution Sources Textile Printing and Dyeing

1 Scope of application

This standard stipulates the procedures, contents, methods and requirements for the strong accounting of pollution sources in the textile printing and dyeing industry.

This standard is applicable to the source of strong pollution (increase and expansion) of the textile printing and dyeing industry and the source of the existing project pollution source.

This standard is applicable to the strong accounting of normal and abnormal emissions of the textile printing and dyeing industry, and is not applicable to sudden leaks, fires, Sources are accounted for in the event of an explosion or other accident.

This standard is applicable to the strong accounting of waste water, waste gas, noise and solid waste pollution sources in textile printing and dyeing production process. carried out the pollution source of GB 13223 boiler is strongly calculated according to HJ 888; the source of pollution such as boiler of GB 13271 is strong.

Calculated according to HJ 991.

2 Normative references

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

GB 4287 Textile Dyeing and Finishing Industry Water Pollutant Emission Standard GB 8978 Integrated Wastewater Discharge Standard GB 13223 Standard for emission of atmospheric pollutants from thermal power plants GB 13271 Boiler Air Pollutant Emission Standard GB 14554 Odor Pollutant Emission Standard GB 16297 Integrated emission standards for atmospheric pollutants GB 28936 Reeling Industry Water Pollutant Emission

Standard GB 28937 Woolen Industry Water Pollutant Emission Standard GB 28938 Hemp textile industry water pollutant discharge 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 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 flue gas (SO₂, NO_x, particulate matter) from stationary sources 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 861 Sewage Permit Application and Issuance Technical Specification Textile Printing and Dyeing Industry HJ 879 Sewage Unit Self-Monitoring Technical Guide Textile Printing and Dyeing Industry HJ 884 Guidelines for the Guidelines for Sources of Pollution Sources HJ 888 Pollution Source Power Accounting Technical Guide HJ 991 Pollution Source Power Accounting Technical Guide Boiler

3 Terms and definitions

The following terms and definitions defined by HJ 884 apply to this standard.

Textile printing and dyeing industry textile and dyeing industry Refers to the processing of fibers before spinning, such as hemp, silk, wool, etc., for textile materials such as fibers, yarns, threads, silks and fabrics.

Pre-treatment, dyeing, printing, finishing-based printing and dyeing processing, as well as the industry engaged in weaving, clothing and apparel processing.

Textile printing and dyeing industry wastewater Refers to wastewater discharged from textile printing and dyeing production facilities or enterprises outside the legal boundary of the enterprise, including direct production and life.

Or indirect relationship with various effluent wastewater.

Abnormal discharge

Refers to the discharge of pollutants under abnormal conditions of production facilities or pollution prevention (control) measures, such as exhaust pollution control facilities.

Due to failures and other reasons, it is impossible to achieve emissions under abnormal conditions such as treatment efficiency and synchronous operation rate.

4.1 General principles

The strong source accounting procedures include pollution source identification and pollutant determination, accounting methods and parameter selection, source strength accounting, the summary of accounting results, etc., see HJ 884 for details.

4.2 Identification of pollution sources

The identification of pollution sources in the textile printing and dyeing industry should conform to the environmental impact assessment techniques such as HJ 2.1, HJ 2.2, HJ 2.3, and HJ 2.4.

It is required and covers all sites, equipment or devices that may generate exhaust, waste water, noise, solid waste contaminants.

4.3 Determination of pollutants

The determination of various pollutants in the textile printing and dyeing industry shall include GB 4287, GB 8978, GB 14554, GB 16297, GB.

Contaminants included in national and local discharge standards such as 28936, GB 28937, and GB 28938. May produce a production process However, pollutants not listed in national or local emission standards may be based on environmental quality standards, other industry standards, and other countries.

Household emission standards, local people's governments or ecological environment authorities need to improve environmental quality, based on raw and auxiliary materials and fuels Analyze and determine with the production process.

4.4.1 General principles

The strong accounting methods for pollution source of textile printing and dyeing industry include material balance algorithm, analogy method, actual measurement method and pollution coefficient method.

The order of selection of accounting methods is shown in Table 1. If the priority method cannot be used, reasonable reasons should be given.

Table 1 source strength accounting method selection order table