

HJ

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**Technical guidelines of accounting method for pollution source
intensity automobile manufacturing industry**

污染源强核算技术指南 汽车制造

(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 the National Air Pollution Prevention and Control Law, the Water Pollution Prevention and Control Law of the People's Republic of China, and the Environmental Noise Pollution Prevention and Control of the People's Republic of China Law, "Law of the People's Republic of China on the Prevention and Control of Environmental Pollution by Solid Waste", and "Law of the People's Republic of China on the Prevention and Control of Soil

Pollution" and other laws Regulations, improve the accounting method system of fixed pollution sources, guide and standardize the accounting of pollution sources in automobile manufacturing, and formulate this standard.

This standard specifies the basic principles, content, and content of pollution sources for automobile manufacturing exhaust gas, wastewater, noise, and solid waste.

Accounting methods and requirements, etc.

Appendix A to Appendix H of this standard are all informative appendices.

This standard is issued for the first time.

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

Drafting organizations of this standard. Environmental Engineering Evaluation Center of Ministry of Ecology and Environment, Fourth Design and Research Institute of Machinery Industry Co., Ltd.

This standard was approved by the Ministry of Ecology and Environment on January 17, 2020.

This standard will be implemented on March 1, 2020.

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

Technical Guidelines for Pollution Source Intensity Accounting

1 Scope of application

This standard specifies the basic principles, contents, accounting methods and requirements for the accounting of pollution sources in automobile manufacturing.

This standard is applicable to the calculation of pollution sources of new (reconstruction and expansion) projects of automobile manufacturing and the intensity of pollution sources of existing projects.

This standard is applicable to the calculation of pollution source intensity under normal and abnormal operating conditions of automobile manufacturing, and does not apply to hazardous substances leakage the calculation of the source intensity of pollutants accompanying or secondary to sudden accidents such as leakage, fire, explosion, etc.

This standard is applicable to the calculation of the pollution source intensity of exhaust gas, waste water, noise, and solid waste in the automobile manufacturing process. It is not applicable.

Source strong calculation in the casting production process. Boiler source strength

according to "Emission Standard of Air Pollutants for Thermal Power Plants" (GB 13223) Perform accounting in accordance with "Technical Guidelines for Pollution Source Intensity Accounting for Thermal Power" (HJ 888); implement "Boiler Air Pollutant Emission Standards" the source strength of the boiler (GB 13271) shall be calculated in accordance with the "Technical Guidelines for the Calculation of Pollution Source Source Strength Boiler" (HJ 991);

The source of the electroplating process in the production of parts and accessories in the "Emission Standard of Electroplating Pollutants" (GB 21900) "Strong Accounting Technical Guide Plating" (HJ 984) for accounting.

2 Normative references

This standard quotes the following documents or their clauses. For undated references, the latest version is applicable to this standard.

GB 8978 Integrated Wastewater Discharge Standard GB 9078 Emission Standard of Air Pollutants for Industrial Furnaces GB 13223 Emission Standard of Air Pollutants for Thermal Power Plants GB 13271 Boiler Air Pollutant Emission Standard GB 14554 Emission Standard of Odor Pollutants GB 16297 Comprehensive Emission Standard of Air Pollutants GB 21900 Electroplating Pollutant Emission Standard GB 37822 Unorganized emission control standard of volatile organic compounds GB 50015 Code for Design of Building Water Supply and Drainage GB/T 16157 Determination of particulate matter in exhaust from stationary sources and sampling method for 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 Technical Guidelines for Environmental Impact Assessment Surface Water Environment HJ 2.4 Technical Guidelines for Environmental Impact Assessment Acoustic Environment HJ 38 Determination of total hydrocarbons, methane and non-methane total hydrocarbons in stationary pollution sources gas chromatography HJ 75 Technical Specification for Continuous Monitoring of Smoke (SO₂, NO_x, Particulate Matter) Emissions from Stationary Pollution Sources HJ 76 Technical requirements and detection methods of continuous monitoring system for emission of stationary pollution source flue gas (SO₂, NO_x, particulate matter) HJ/T 91 Technical specification for surface water and sewage monitoring HJ/T 92 Technical Specification for Monitoring Total Discharge of Water Pollutants HJ/T 353 Water Pollution Source Online Monitoring System Installation Technical Specification (Trial) HJ/T 354 Technical Specification for Acceptance of Online Water Pollution Source Monitoring System (Trial) HJ/T 355 Water Pollution Source Online Monitoring System Operation and Assessment Technical Specification (Trial) HJ/T 356 Technical Specification for Data Validity Judgment of Online Water Pollution Source Monitoring System (Trial) HJ/T 373 Fixed pollution source monitoring quality assurance and quality control technical specifications (trial implementation) HJ/T 397 Fixed source exhaust

gas monitoring technical specification HJ 630 Technical Guidelines for Environmental Monitoring Quality Management HJ 732 Air bag method for sampling volatile organic compounds in exhaust gas from stationary sources HJ 734 Determination of Volatile Organic Compounds in Exhaust Gases from Stationary Pollution Sources Solid Phase Adsorption-Thermal Desorption/Gas Chromatography-Mass Spectrometry HJ 819 General Rules of Technical Guidelines for Self-monitoring of Pollutant Discharge Unit HJ 884 Technical Guidelines for Pollution Source Intensity Accounting HJ 888 Technical Guide for Pollution Source Intensity Accounting Thermal Power HJ 971 Technical Specification for Application and Issuance of Pollution Permits for Automobile Manufacturing HJ 984 Technical Guide for Pollution Source Intensity Accounting HJ 991 Pollution Source Strength Accounting Technical Guide Boiler HJ 1012 Technical requirements and testing methods for portable monitors of ambient air and exhaust gas total hydrocarbons, methane and non-methane total hydrocarbons HJ 1013 Technical requirements and testing methods for continuous monitoring system of non-methane total hydrocarbons in waste gas from stationary sources "Notice on Doing a Good Job in the Link between the Environmental Impact Assessment System and the Pollution Discharge Permit System" (Environmental Environment Assessment (2017) No. 84) "Notice on Printing and Distributing the "Comprehensive Treatment Plan for Volatile Organic Compounds in Key Industries" (Huan Qiqi [2019] No. 53)

3 Terms and definitions

The following terms and definitions apply to this standard.

Automobile manufacturing industry Refers to complete automobiles, automobile engines, modified automobiles, low-speed automobiles, trams, automobile bodies and trailers, automobile parts Manufacture of parts and accessories. Excluding new energy vehicle motors, motor vehicle lighting fixtures, automotive instruments and meters, Manufacture of agricultural self-loading or dump trailers and semi-trailers.

Pretreatment

Refers to mechanical treatment such as shot blasting, sanding, sandblasting, cleaning, etc., or pickling and rust removal, scrubbing and chemical degreasing, etc.

Chemical treatment means, the process of removing various dirt on the surface of the workpiece, eliminating surface defects of the workpiece or achieving the required surface roughness.

Conversion coating

Refers to the metal compound film produced by phosphating, zirconium, silanization, passivation and other chemical treatments on the metal surface.

The function is to change the surface structure of the material and provide a good substrate