

HJ

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Technical specification for application and issuance of pollutant permit - Metal foundry industry

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Foreword

In order to implement the "Environmental Protection Law of the People's Republic of China", "The Air Pollution Prevention Law of the People's Republic of China", "Law of the People's Republic of China on the Prevention and Control of Water Pollution", "Law of the People's Republic of China on the Prevention and Control of Soil Pollution" and other laws and regulations, and the "General Office of the State Council in the issuance of the Notice on the Implementation Plan for the Control of Pollutant Discharge Permit System (Guobanfa [2016] No. 81) and the "Pollution Permit Management Measures (Trial)" (Ministry of Environmental Protection Order No. 48), improve the technical support system for pollutant discharge permits, guide and standardize metal casting this standard is formulated for the application and issuance of pollutant discharge permits by industrial pollutants.

This standard specifies the basic requirements and permits for the application and issuance of a pollutant discharge permit for the metal casting industry.

Determination of emission limit, actual emission calculation, compliance determination method, self-monitoring, environmental management ledger and pollution permit
Environmental management requirements such as certificate implementation report, and proposed reference requirements for feasible technologies for pollution prevention in the

metal casting industry.

Appendix A to Appendix E of this standard are 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.

1 Scope of application

This standard stipulates the basic requirements for filling out the pollutant discharge permit application and issuance of the pollutant discharge unit of the metal casting industry, the methods for determination of emission limit, actual emission calculation, compliance determination, self-monitoring, environmental management accounting and emission Environmental management requirements such as the implementation report of pollution permits, and proposed reference requirements for feasible technologies for pollution prevention in the metal casting industry.

This standard is applicable to guide the metal casting industry pollutants to fill in relevant applications on the national pollutant discharge permit management information platform Please provide information, and it is also applicable to guide the pollutant discharge permit issuing department to review and determine the pollutant discharge permit requirements of the metal casting industry pollutant discharge unit.

This standard applies to the management of permits for the discharge of air pollutants and water pollutants from the metal casting industry.

Among the sewage disposal units of the metal casting industry, the production facilities or discharge outlets that implement GB 28662 and GB 28663 apply HJ 846; production facilities or discharge outlets that implement GB 31574, apply HJ 863.4; production facilities or discharge outlets that implement GB 21900 the discharge port is suitable for HJ 855; the production facilities and discharge ports that implement GB 13271 are suitable for HJ 953.

Metals that are not specified in this standard but discharge industrial waste water, exhaust gas or toxic and harmful air pollutants specified by the state for other pollution-producing facilities and discharge outlets of the foundry industry, refer to HJ 942.

2 Normative references

The content of this standard refers to the following documents or their clauses. For undated references, the valid version Applies to this standard.

GB 8978 Integrated Wastewater Discharge Standard GB 9078 Emission Standard of Air Pollutants for Industrial Furnaces GB 13271 Boiler Air Pollutant Emission Standard GB

16297 Comprehensive Emission Standard of Air Pollutants GB 18597 Pollution Control Standard for Hazardous Waste Storage GB 21900 Electroplating Pollutant Emission Standard GB 28662 Emission Standard of Air Pollutants for Iron and Steel Sintering and Pelletizing Industry GB 28663 Air Pollutant Emission Standard for Ironmaking Industry GB 31574 Pollutant Emission Standard for Secondary Copper, Aluminum, Lead and Zinc Industry GB 37822 Unorganized emission control standard of volatile organic compounds GB/T 4754-2017 Classification of National Economic Industries GB/T 16157 Determination of particulate matter in exhaust from stationary sources and sampling method for gaseous pollutants HJ 38 Determination of total hydrocarbons, methane and non-methane total hydrocarbons in stationary pollution sources gas chromatography HJ/T 55 Technical Guidelines for Monitoring Unorganized Emissions of Air Pollutants HJ 75 Technical specification for continuous monitoring of emissions from stationary sources of flue gas (sulfur dioxide, nitrogen oxides, particulate matter) HJ 76 Continuous monitoring system for emission of fixed pollution source flue gas (sulfur dioxide, nitrogen oxide, particulate matter) Technical requirements and testing methods HJ 91.1 Technical Specification for Wastewater Monitoring HJ 353/Water pollution source online monitoring system (CODCr, NH3-N, etc.) installation technical specifications HJ 354/Water pollution source online monitoring system (CODCr, NH3-N, etc.) acceptance technical specifications HJ 355/Water pollution source online monitoring system (CODCr, NH3-N, etc.) operation technical specifications HJ 356/Water pollution source online monitoring system (CODCr, NH3-N, etc.) data validity judgment technical specification 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 494 Technical Guide for Water Quality Sampling HJ 495 Technical Regulations for Water Quality Sampling Scheme Design HJ 521 Wastewater discharge law code HJ 608 Code Rules for Pollutant Discharge Units HJ 732 Air bag method for sampling volatile organic compounds in exhaust gas from stationary sources HJ 819 General Rules of Technical Guidelines for Self-monitoring of Pollutant Discharge Unit HJ 820 Technical Guide for Self-monitoring of Sewage Discharge Units Thermal Power and Boilers HJ 846 Technical Specification for the Application and Issuance of Pollution Discharge Permits for the Iron and Steel Industry HJ 855 Pollutant Discharge Permit Application and Issuance Technical Specification for Electroplating Industry HJ 863.4/Technical Specification for Pollution Discharge Permit Application and Issuance Non-ferrous Metal Industry--Recycled Metal HJ/T 91 Technical specification for surface water and sewage monitoring HJ 942 General Rules of Technical Specifications for Pollution Discharge Permit Application and Issuance HJ 944 General Rules of Technical Specifications for Environmental Management Ledgers and Pollution Permit Implementation Reports of Pollutant Discharge Units (Trial) HJ 953 Sewage discharge permit application and issuance of technical specifications for boilers HJ -- Technical Guidelines for Self-monitoring of Pollutant Discharge Units Metal Foundry Industry "Notice of the State Council on Printing and Distributing the Three-Year Action Plan for Winning the Blue Sky Defense War" (Guo Fa [2018] No. 22) "Administrative Measures for Pollution

Discharge Permits (Trial)" (Ministry of Environmental Protection Order No. 48)
 "Announcement on the Implementation of Special Emission Limits for Air Pollutants"
 (Announcement No. 14 of 2013 by the Ministry of Environmental Protection) List of Priority
 Controlled Chemicals (Announcement No. 83 of 2017 of the Ministry of Environmental
 Protection) "Announcement on the Implementation of Special Emission Limits for Air
 Pollutants in Beijing-Tianjin-Hebei Air Pollution Transmission Channel Cities" (Ministry of
 Environmental Protection Announcement No. 9 of 2018) "List of Toxic and Hazardous Air
 Pollutants" (Announcement No. 4 of 2019 by the Ministry of Ecology and Environment)
 "Technical Requirements for Standardized Remediation of Sewage Outlets (Trial)"
 (Environmental Supervision of the State Environmental Protection Administration [1996]
 No. 470) "Reply to Issues Concerning the Implementation of Special Emission Limits for Air
 Pollutants" (Huanban Qiqihan [2016] No. 1087) "Guiding Opinions on Strengthening the
 Response to Heavy Pollution Weather and Consolidating Emergency Emission Reduction
 Measures" (Huanban Qiqihan [2019] No. 648) "Notice on Printing and Distributing the
 "Comprehensive Treatment Plan for Air Pollution in Industrial Furnaces" (Huan Qiqi [2019]
 No. 56) "List of Classification Management of Discharge Permits for Fixed Pollution
 Sources"

3 Terms and definitions

The following terms and definitions apply to this standard.

3.1 Foundry industry

Refers to the manufacturing industry that produces various metal castings. C 33 in
 "Classification of National Economic Industries" (GB/T 4754-2017) the metal products
 industry is classified into C 3391 ferrous metal casting and C 3392 non-ferrous metal
 casting.

3.2 Metal foundry industry pollutant emission unit

Refers to sewage disposal units engaged in the manufacture of various metal castings.

3.3 Ferrous metal casting pollutant emission unit

Refers to the sewage disposal units engaged in the manufacture of various finished and
 semi-finished products such as iron castings and steel castings.

3.4 Nonferrous metal casting pollutant emission unit

Refers to the sewage disposal unit engaged in the manufacture of various finished and
 semi-finished products of non-ferrous metal and its alloy casting.