

HJ

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**Technical specification for application and issuance of
pollutant permit - Rare and rare earth metals smelting industry**

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Table of Contents

Foreword

1 Scope of application

2 Normative references

3 Terms and definitions

4 Requirements for the basic information of pollutant discharge units

5 Corresponding discharge outlets in the production and discharge process and methods for determining permitted discharge limits

6 Feasible technical requirements for pollution prevention and control

7 Self-monitoring management requirements

8 Requirements for preparation of environmental management ledger records and execution reports

9 Accounting Method of Actual Emissions

10 Compliance Judgment Method

Appendix A (Informative Appendix) Reference Table of Pollution Prevention and Control Feasible Technologies

Appendix B (Informative Appendix) Reference Table for Environmental Management Ledger Records

Appendix C (informative appendix) Table form of implementation status of pollution discharge permit

Foreword

To implement the Environmental Protection Law of the People's Republic of China, the Air Pollution Prevention and Control Law of the People's Republic of China, and the People's Republic of China Law of the People's Republic of China on the Prevention and Control of Water Pollution, and the Law of the People's Republic of China on the Prevention and Control of Soil Pollution Notice on the Implementation Plan of the Emission Permit System (Guobanfa [2016] No. 81) and the "Administrative Measures for Pollution Permits (Trial)" (Environmental Protection Ministry Order No. 48), improve the technical support system for pollutant discharge permits, and guide and standardize applications for pollutant permits by rare rare earth metal smelting pollutants Work with the issuance to develop this standard.

This standard specifies the basic requirements for filling out the application and issuance of the pollutant discharge permit and the permit emission limit for the rare earth metal smelting pollutant discharge unit Methods for determining the value, actual emissions accounting and compliance determination, as well as self-monitoring, environmental

management ledgers, and pollution discharge permit implementation reports.

Environmental management requirements, and proposed feasible technical requirements for pollution prevention and control of rare rare earth metal smelting pollutants.

Appendix A to Appendix C 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.

The main drafting organizations of this standard. Chinese Academy of Environmental Sciences, China Enfi Engineering Technology Co., Ltd., and Research Institute of Engineering Technology Limited company, China Nonferrous Metals Industry Association, China Rare Earth Industry Association, etc.

This standard was approved by the Ministry of Ecology and Environment on March 27, 2020.

This standard will be implemented on March 27, 2020.

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

Pollutant discharge permit application and issuance of technical specifications for rare earth metal smelting

1 Scope of application

This standard specifies the basic requirements for filling out the application and issuance of the pollutant discharge permit and the permit emission limit for the rare earth metal smelting pollutant discharge unit Methods for determining the value, actual emission accounting, compliance determination, and self-monitoring, environmental management ledgers, and pollution discharge permit implementation reports, etc.

Management requirements and feasible technical requirements for pollution prevention and control of rare rare earth metal smelting pollutants.

This standard is applicable to guide rare rare earth metal smelting pollutant discharge units to fill in the "Pollution Discharge Permit Application Form" and to manage pollutant discharge permits nationwide Fill in the relevant application information in the information platform application system, and it is also suitable for guiding the issuing authority to review and determine the rare earth metal smelting pollutant discharge unit Permit requirements for pollution discharge permits.

This standard applies to the management of permits for the discharge of air pollutants and water pollutants discharged by the rare earth metal smelting pollutants, specifically

including "2017 National Economic Industry Classification Notes" (online version) (Guo Tong Office Set Guan Zi [2018] No. 93), 3231 tungsten and molybdenum smelting, 3232 Rare earth metal smelting, 3239 other rare metal smelting. The emissions from tantalum and niobium smelting units that belong to 3239 other rare metal smelting this standard applies to the management of air pollutants and water pollutants' pollution discharge permits; zirconium and beryllium smelting pollutants Pollutant discharge permit management shall be implemented in accordance with this standard; except for tantalum, niobium, zirconium, and beryllium, the discharge of pollutants from the smelting of 3239 other rare metals for the management of pollutant discharge permits for air pollutants and water pollutants, refer to the industry pollutant permit application corresponding to the main metal smelting process of the raw material associated with the mine Implement with the issued technical specifications.

Among rare earth metal smelting pollutants, production facilities and pollutants that implement the "Boiler Air Pollutant Emission Standard" (GB 13271) for venting, the "Technical Specification for Boiler Application and Issuance of Pollutant Discharge Permit" (HJ 953) is applicable.

Rare rare earth metal smelting pollutants that are not specified in this standard but discharge industrial wastewater, waste gas or toxic and harmful pollutants specified by the state for other pollution-producing facilities and discharge outlets, refer to the "General Rules for the Application and Issuance of Pollution Permits" (HJ 942).

Regarding the relevant requirements for the operation and management of solid waste, the "Environmental Pollution Prevention Law of the People's Republic of it will be implemented after being included in the management of pollution permit.

2 Normative references

This standard quotes the following documents or their clauses. For undated reference documents, their valid versions are applicable to this standard.

GB 5085.1 Identification Standard of Hazardous Waste Corrosion Identification GB 5085.2 Hazardous Waste Identification Standard Acute Toxicity Screening GB 5085.3 Identification Standard for Hazardous Wastes Identification of Extractive Toxicity GB 5085.4 Identification Standard for Hazardous Waste Flammability Identification Reactivity identification of GB 5085.5 hazardous waste identification standard GB 5085.6 Identification standard for hazardous waste identification of toxic substance content GB 5085.7 General Rules for Identification Standards of Hazardous Wastes GB 8978 Integrated Wastewater Discharge Standard GB 9078 Emission Standard of Air Pollutants for Industrial Furnaces GB 14554 Emission Standard of Odor Pollutants GB 16297 Comprehensive Emission Standard of Air Pollutants GB 18599 Pollution control standard for general industrial solid waste storage and disposal sites GB 26451 Pollutant Emission Standard for Rare Earth Industry GB/T 16157 Determination of particulate matter in exhaust from stationary sources and sampling

method for gaseous pollutants HJ 75 Technical Specification for Continuous Monitoring of Smoke (SO₂, NO_x, Particulate Matter) Emissions from Stationary Pollution Sources HJ 91.1 Technical Specification for Wastewater Monitoring HJ 493 Technical Regulations for Storage and Management of Water Quality Samples HJ 494 Technical Guide for Water Quality Sampling HJ 495 Technical Regulations for Water Quality Sampling Scheme Design HJ 521 Wastewater Discharge Law Code (Trial) HJ 608 Code Rules for Pollutant Discharge Units HJ 732 Air bag sampling method for volatile organic compounds 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 942 General Rules of Technical Specifications for Pollution Discharge Permit Application and Issuance HJ 944 General Rules of Technical Specifications for Environmental Management Ledger and Pollution Discharge Permit Implementation Report of Pollutant Discharge Units (Trial) HJ 953 Sewage discharge permit application and issuance of technical specifications for boilers HJ 2025 Technical specification for hazardous waste collection, storage and transportation HJ/T 55 Technical Guidelines for Monitoring Unorganized Emissions of Air Pollutants HJ/T 92 Technical Specification for Monitoring Total Discharge of Water Pollutants HJ/T 212 Pollution source online automatic monitoring (monitoring) system data transmission standard HJ/T 298 Technical Specification for Identification of Hazardous Wastes 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 "List of Classification Management of Discharge Permits for Fixed Pollution Sources" "Administrative Measures for the Transfer of Hazardous Wastes" (State Environmental Protection Administration Order No. 5) "List of Hazardous Wastes" (Order No. 39 of the Ministry of Environmental Protection) "Administrative Measures for Pollution Discharge Permits (Trial)" (Ministry of Environmental Protection Order No. 48) "Technical Requirements for Standardized Remediation of Sewage Outlets (Trial)" (Environmental Supervision [1996] No. 470) "Administrative Measures for the Operation of Automatic Monitoring Facilities for Pollution Sources" (Huanfa [2008] No. 6) "Announcement on the Implementation of Special Emission Limits for Air Pollutants" (Announcement No. 14 of 2013 by the Ministry of Environmental Protection) "Reply to Issues Concerning the Implementation of Special Emission Limits for Air Pollutants" (Huanban Qiqihan [2016] No. 1087) "2017 National Economic Industry Classification Notes" (online version) (Guo Tong Office Set Guan Zi [2018] No. 93) "Announcement on the Implementation of Special Emission Limits for Air Pollutants in Beijing-Tianjin-Hebei Air Pollutant Transmission Channel Cities" (Announcement by the Ministry of Environmental Protection no. 9 of 2018)