

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

HJ 863.4-2018

**Technical specification for application and issuance of
pollutant permit non-ferrous metal metallurgy industry -
secondary non-ferrous metal**

排污许可证申请与核发技术规范 有色金属工业—再生金属

(English Translation)

Issued on: August 17, 2018

Implemented on: August 17, 2018

Issued by: Ministry of Ecology and Environment

Table of Contents

Foreword

1 Scope of application

2 Normative references

3 Terms and definitions

3.1 Recycling non-ferrous metal pollutant emission unit

3.2 Secondary copper pollutant emission unit

3.3 Recycled aluminum sewage unit second aluminum pollutant emission unit

3.4 Regeneration lead discharge unit secondary lead pollutant emission unit

3.5 Regenerative zinc pollutant discharge unit secondary zinc pollutant emission unit

3.6 Permitted emission limits

3.7 Special period special periods

4 Reporting requirements for basic situation of sewage disposal units

4.1 General principles

4.2 Basic information of the sewage unit

4.3 Recycled copper main products and production capacity

4.4 Main products and production capacity of recycled aluminum

4.5 Recycled lead main products and production capacity

Foreword

To implement the Law of the People's Republic of China on Environmental Protection, the Law of the People's Republic of China on Prevention and Control of Atmospheric Pollution Laws and Regulations of the People's Republic of China on Water Pollution Prevention and Control, and the General Office of the State Council on Printing and Distributing Control of Pollutant Discharge Permits Notice of the Scheme (Guo Ban Fa [2016] No. 81) and the Measures for the Management of Pollution Discharge Permits (Trial) (Ministry of Environmental Protection) Order No. 48), improve the technical support system for pollutant discharge permits, and guide and regulate the regeneration of non-ferrous metals (recycled copper, recycled aluminum, this standard is formulated for the application and issuance of pollutant discharge permit for the discharge of lead and regenerative zinc.

This standard stipulates the requirements for the application and issuance of the basic discharge of the pollutant discharge permit for the non-ferrous metal discharge unit.

Determination of emission limits, actual emissions accounting, compliance determination

methods, and self-monitoring, environmental management ledgers and discharge permits the environmental management requirements such as the implementation report of the certificate, and the feasible technical requirements for the prevention and control of recycled non-ferrous metals are proposed.

Appendix A, Appendix B, Appendix C, Appendix D and Appendix E of this standard are informative annexes.

This standard is the first release.

This standard was formulated by the Ministry of Ecology and Environment.

This standard is mainly drafted by. Environmental Protection Foreign Cooperation Center of the Ministry of Environmental Protection, China Nonferrous Metals Industry Association Metal Branch, China Academy of Environmental Sciences, Beijing Mining and Metallurgical Technology Group Co., Ltd.

This standard is approved by the Ministry of Ecology and Environment on August 17, 2018.

This standard has been implemented since August 17, 2018.

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

Sewage permit application and issuance technical specification Non-ferrous metal industry - recycled metal

1 Scope of application

This standard specifies the discharge of non-ferrous metals (recycled copper, recycled aluminum, recycled lead and regenerated zinc, the same below) Filing license application and basic information reporting requirements, licensing emission limit determination, actual emissions accounting, compliance judgment Environmental management requirements such as self-monitoring, environmental management ledger and discharge permit execution report, etc.

Technical requirements for pollution prevention and control of raw materials for non-ferrous metals.

This standard is applicable to guide the recyclable non-ferrous metal pollutant discharge unit to fill in the "Sewage Permit Application Form" and the discharge of pollutants in the country.

The certifiable management information platform fills in relevant application information and is applicable to guide the issuing authority to review and determine the recycled non-ferrous metal sewage bill.

A sewage permit requirement.

This standard is applicable to the production of non-ferrous metals from waste

heterogeneous metals, copper-containing sludge, and zinc-containing steelmaking fumes.

The discharge permit management of atmospheric pollutants and water pollutants discharged by the sewage unit of its alloy. Colored with lead leaching residue Metal secondary resources are the main raw materials for the production of non-ferrous metals and their alloys.

The discharge permit management is implemented in accordance with this standard.

This standard does not provide for the discharge of industrial waste water, waste gas or the toxic and harmful pollutants specified by the state.

For other sewage facilities and discharge outlets of metal sewage disposal units, refer to the General Rules for Application and Issuance of Pollution Discharge Permits (HJ)

942) Execution, the boiler shall be implemented in accordance with the "Drainage Permit Application and Issuance Technical Specification Boiler" (HJ 953).

2 Normative references

The contents of this standard refer to the following documents or their terms. For undated references, the valid version is appropriate.

Used in this standard.

GB 8978 Integrated Wastewater Discharge Standard GB 13271 Boiler Air Pollutant Emission Standard GB 18597 Hazardous Waste Storage Pollution Control Standard GB 18599 General industrial solid waste storage and disposal site pollution control standards GB 31574 Recycling standards for copper, aluminum, lead and zinc industrial pollutants GB/T 16157 Determination of particulate matter in fixed pollution source exhaust gas and sampling method of gaseous pollutants HJ/T 55 Technical Guidelines for the Monitoring of Unorganized Emissions of Air Pollutants HJ 75 Fixed pollution source flue gas (SO₂, NO_x, particulate matter) continuous monitoring technical specifications HJ 76 Fixed pollution source flue gas (SO₂, NO_x, particulate matter) continuous monitoring system technical requirements and testing methods HJ/T 91 Surface Water and Wastewater Monitoring Technical Specifications 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 493 Technical regulations for the preservation and management of water sampling samples HJ 494 Water Quality Sampling Technical Guidance HJ 495 water quality sampling plan design technical

regulations HJ 519 Waste Lead Acid Battery Treatment Pollution Control Technical Specification HJ 608 sewage unit coding rules HJ 819 General Guidelines for Self-Monitoring Technical Units of Sewage Units HJ 942 General Regulations for the Application and Issuance of Pollution Discharge Permits HJ 944 Sewage Disposal Unit Environmental Management Account and Emission Permit Execution Report Technical Specifications General (Trial) HJ 953 Sewage Permit Application and Issuance Technical Specification Boiler "List of classified management of fixed pollution source discharge permits" Technical Requirements for Standardized Remediation of Sewage Discharges (Trial) (National Environmental Protection Bureau Environmental Supervision [1996] No. 470) Measures for the Operation and Management of Automatic Monitoring Facilities for Pollution Sources (Huanfa [2008] No. 6) Announcement on the Implementation of Special Emission Limits for Air Pollutants (Notified by the Ministry of Environmental Protection, No. 14 of 2013) "Guidelines for Feasible Technical Measures for Pollution Prevention and Control of Recycled Lead Smelting" (Promulgation of Environmental Protection Department No. 11 of 2015) Reply to the Relevant Issues Concerning the Implementation of Special Emission Limits for Air Pollutants (Environmental Letter [2016] No. 1488) Measures for the Management of Pollution Discharge Permits (Trial) (Order No. 48 of the Ministry of Environmental Protection) Announcement on the Implementation of Special Emission Limits of Air Pollutants in the Beijing-Tianjin-Hebei Air Pollution Transmission Channel City (Environmental Protection) Ministry Announcement No. 9 of 2018)

3 Terms and definitions

The following terms and definitions apply to this standard.

3.1 Recycling non-ferrous metal pollutant emission unit

It refers to the production of non-ferrous metals and their alloys by using waste non-ferrous metals, copper-containing sludge, and zinc-containing steelmaking fumes as main raw materials.

Recycling non-ferrous metals companies.

3.2 Secondary copper pollutant emission unit

It refers to a recycled copper enterprise that produces copper, anode copper or cathode copper with waste copper and copper sludge as the main raw materials.

3.3 Recycled aluminum sewage unit second aluminum pollutant emission unit

It refers to a recycled aluminum enterprise that produces aluminum and aluminum alloys with waste aluminum as the main raw material.