

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

HJ 864.2-2018

**Technical specification for application and issuance of
pollutant permit phosphatic, potassic, compound, organic and
microbial fertilizer industry**

排污许可证申请与核发技术规范 磷肥、钾肥、复混钾肥、有机肥料及微生物肥料工业

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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 permit, guide and regulate phosphate fertilizer, potash fertilizer, compound fertilizer (composite fertilizer), this standard is formulated for the application and issuance of organic fertilizers and microbial fertilizer industrial discharge permits.

This standard stipulates that phosphate fertilizer, potash fertilizer, compound fertilizer (composite fertilizer), organic fertilizer and microbial fertilizer industry discharge the basic conditions for filing the smuggling application and the issued pollutant discharge unit, the determination of the permitted emission limit, the actual emission accounting method, Environmental management requirements such as compliance determination methods and self-monitoring, environmental management ledgers, and discharge permit execution reports were proposed.

Feasible technical requirements for the prevention and control of industrial pollution of

phosphate fertilizer, potassium fertilizer, compound fertilizer (composite fertilizer), organic fertilizer and microbial fertilizer.

Appendix A to Appendix C 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 was drafted. Environmental Engineering Assessment Center of the Ministry of Environmental Protection, China Phosphate and Compound Fertilizer Industry Association, Guizhou Province Environmental Worker Cheng assessment center, China Inorganic Salt Industry Association, Qinghai Salt Lake Research Institute of Chinese Academy of Sciences, China Shipping Petroleum Environmental Protection Service (Tianjin) Limited.

This standard was approved by the Ministry of Ecology and Environment on September 23, 2018.

This standard has been implemented since September 23, 2018.

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

Sewage permit application and issuance technical specifications Phosphate, potash, compound fertilizer, organic fertilizer and microbial fertilizer industry

1 Scope of application

This standard specifies the phosphate fertilizer, potash fertilizer, compound fertilizer (composite fertilizer), organic fertilizer and microbial fertilizer industrial discharge permit Application for the basic information of the pollutant discharge unit issued and issued, the determination of the permitted emission limit, the actual emission accounting method, and compliance the method of judging and environmental management requirements such as self-monitoring, environmental management ledger and discharge permit execution report, proposed phosphate fertilizer, Potable fertilizer, compound fertilizer (composite fertilizer), organic fertilizer and microbial fertilizer industrial pollution control feasible technical requirements.

This standard applies to the guidance of phosphate fertilizer, potash fertilizer, compound fertilizer (composite fertilizer), organic fertilizer and microbial fertilizer industry sewage the unit fills in the "Application for Pollution Discharge Permit" and fills in the relevant application information in the National Emission Permit Management Information Platform, which applies to to guide the issuing authority to review and determine the phosphorus, potassium, compound fertilizer (composite fertilizer), organic fertilizer and microbial fertilizer industrial sewage License licensing requirements.

This standard applies to phosphate fertilizer, potash fertilizer, compound fertilizer

(composite fertilizer), organic fertilizer and microbial fertilizer industrial sewage unit Discharge permit management for discharge of water pollutants and atmospheric pollutants.

Phosphate fertilizer, potash fertilizer, compound fertilizer (composite fertilizer), organic fertilizer and microbial fertilizer industrial sewage unit, GB 13223 the production facilities and discharge ports are applicable to the Technical Specifications for Application and Issuance of Pollution Discharge Permits in Thermal Power Industry (Circular Water Body [2016] 189 no. 1); the production facilities and discharge ports for the implementation of GB 13271 are applicable to the application for the discharge permit and the issuance of technical specifications Furnace (HJ 953).

Phosphate, potash, and compound fertilizers that are not specified in this standard but emit industrial waste water, waste gas or toxic and harmful pollutants Other facilities and discharges of industrial fertilizers, organic fertilizers and microbial fertilizer industrial sewage disposal units, refer to the application for sewage permit Execution with the General Regulations for the issuance of technical specifications (HJ 942).

2 Normative references

The contents of this standard refer to the terms in the following documents. For undated references, the valid version applies to this standard.

GB 8978 Integrated Wastewater Discharge Standard GB 9078 industrial furnace kiln air pollutant discharge standards GB 13223 Thermal Power Plant Emission Standards for Thermal Power Plants GB 13271 Boiler Air Pollutant Emission Standard GB 14554 Odor Pollutant Discharge Standard GB 15580 Phosphate Fertilizer Industry Water Pollutant Emission Standard GB 16297 Integrated emission standards for atmospheric pollutants GB/T 16157 Determination of particulate matter in fixed pollution source exhaust gas and sampling method of gaseous pollutants GB 18599 General industrial solid waste storage and disposal site pollution control standards 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 212 pollution source online automatic monitoring (monitoring) system data transmission standard 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 Preservation and Management of Water Quality Samples HJ 494 Water Quality Sampling Technical Guidance HJ 495 water quality sampling plan design technical regulations HJ 608 sewage unit coding rules HJ 819 General Guidelines for Self-Monitoring Technical Units of Sewage Units HJ 820 sewage unit self-monitoring technical guide thermal power generation and boiler HJ 853 Sewage Permit Application and Issuance Technical Specification Petrochemical Industry HJ 942 General Regulations for the Application and Issuance of Pollution Discharge Permits HJ 944 Technical Specifications for Environmental Management Accounts and Emission Permits HJ 953 Sewage Permit Application and Issuance Technical Specification Boiler "List of classified management of fixed pollution source discharge permits" Measures for the Management of Pollution Discharge Permits (Trial) (Decree No. 48) Technical Requirements for Standardized Remediation of Sewage Discharges (Environmental Supervision [1996] No. 470) Announcement on the Implementation of Special Emission Limits for Air Pollutants (Announcement No. 14 of 2013) Notice of the General Office of the State Council on Strengthening Environmental Supervision and Enforcement (Guo Ban Fa [2014] No. 56) Notice on Carrying out Management of Elevated Source Pollution Discharge Permits in Thermal Power, Papermaking Industry and Beijing-Tianjin-Hebei Pilot City (Circular Water Body [2016] No. 189) Reply to the Relevant Issues Concerning the Implementation of Special Emission Limits for Air Pollutants (Environmental Letter [2016] No. 1087) Notice on Strengthening the Relevant Issues Concerning the Automatic Monitoring of High-Level Source Pollutants in Beijing-Tianjin-Hebei (Circular Supervision and Control Letter [2016] No. 1488) Notice on Accelerating the Automatic Monitoring of Key Polluting Units in Key Industries in Key Industries (Circular Office [2017] no. 61) Announcement on the Implementation of Special Emission Limits for Air Pollutants in the Beijing-Tianjin-Hebei Air Pollution Transmission Channel City (Announcement.2018) no. 9 of the year) Notice on Strengthening Prevention and Control of Nitrogen and Phosphorus Pollution from Fixed Pollution Sources (Circular Water Body [2018] No. 16) Notice on Promulgating Samples of Emission Permits, Sewage Permit Application Forms and Emission Permit Formats Cai [2018] No. 80)

3 Terms and definitions

The following terms and definitions apply to this standard.

3.1 Phosphate fertilizer industry pollutant discharge unit

Refers to the production of monoammonium phosphate, diammonium phosphate, heavy superphosphate, nitrophosphate, NPK, superphosphate, calcium magnesium phosphate, Calcium magnesium phosphate potash and other by-products (such as sodium fluorosilicate, potassium fluorosilicate, etc.) and intermediate products required for the production of phosphate fertilizer (wet method) Production enterprise or production facility.