

# HJ

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

### HJ 1039-2019

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**Technical specification for application and issuance of  
pollutant permit - Municipal solid waste incineration**

排污许可证申请与核发技术规范 生活垃圾焚烧

**(English Translation)**

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### Foreword

In order to implement the "Environmental Protection Law of the People's Republic of China" Law of the People 's Republic of China on Water Pollution Control Law, Law of the People 's Republic of China on Soil Pollution Control Law, etc.

On the Issuance of the Implementation Plan for the Control of Pollutant Discharge Permits (State Office of Economic Development, No..2016 ? 81) and the Administration of Emission Permits Measures (Trial) (Decree No. 48 of the Ministry of Environmental Protection), improve the technical support system for pollution permits, and guide and regulate domestic waste the incineration and discharge unit shall apply for and issue the discharge permit to develop this standard.

This standard specifies the basic requirements for the application and approval of sewage permits for domestic waste incineration and sewage discharge units.

Methods for determining emission limits, accounting for actual emissions and determining compliance, as well as self-monitoring, environmental management accounting, and emissions permits the environmental management requirements, such as the implementation report that can be verified, put forward feasible technical requirements for pollution prevention and control of domestic waste incineration and sewage discharge units.

Appendices A to D of this standard are informative appendices.

This standard is issued for the first time.

This standard was formulated by the Department of Environmental Impact Assessment and Emission Management, and the Regulations and Standards Department of the Ministry of

Ecology and Environment.

## **1 Sewage permit application and technical specifications for domestic waste incineration**

### **1 Scope**

This standard specifies the basic requirements for the application and approval of sewage permits for domestic waste incineration and sewage discharge units.

Methods for determining emission limits, accounting for actual emissions and determining compliance, as well as self-monitoring, environmental management accounting, and emissions permits the environmental management requirements such as the provable implementation report put forward feasible technical requirements for pollution prevention.

This standard is applicable to guide domestic waste incineration and sewage discharge units on the national sewage permit management information platform (Pollution permitting platform) Fill in relevant application information, which is applicable to guide the issuing authority to review and determine the permit requirements.

This standard is applicable to the discharge permit management of air pollutants and water pollutants discharged by domestic garbage incineration and sewage units.

Domestic waste incineration that does not make provisions in this standard but emits industrial waste gas, wastewater or toxic and hazardous pollutants prescribed by the state for other pollution-producing facilities and discharge outlets of the polluting unit, refer to the General Rules for the Application of Pollutant Discharge Permits and Technical Specifications (HJ 942) carried out.

## **2 Normative references**

This standard refers to the following documents or the provisions thereof. For undated references, the valid version applies to this document.

standard.

GB 8978 Integrated Wastewater Discharge Standard GB 14554 Emission Standard for Odor Pollutants GB 16297 comprehensive emission standards for air pollutants GB 16889 Standard for Pollution Control of Domestic Waste Landfill Sites GB 18485 Pollution Control Standard for Domestic Waste Incineration GB 30485 Pollution Control Standard for Co-processing Solid Waste in Cement Kiln HJ 75 Technical Specifications for Continuous Monitoring of Flue Gas (SO<sub>2</sub>, NO<sub>x</sub>, Particulate Matter) Emissions from Stationary Pollution Sources HJ 76 Technical requirements and detection methods of continuous monitoring system for the emission of flue gas (SO<sub>2</sub>, NO<sub>x</sub>, particulate matter) from stationary pollution sources HJ/T 91 Technical specifications for surface water and sewage monitoring HJ/T 92

Technical Specification for Total Water Pollutant Discharge Monitoring HJ/T 397 Fixed source exhaust gas monitoring technical specifications HJ 608 Sewage unit coding rules HJ 819 Technical Guidelines for Self-monitoring of Sewage Units HJ 942 General Rules for Application and Issuance of Sewage Permits HJ 944 General Regulations on Technical Specifications for Environmental Management Ledgers and Pollutant Permits of Pollutant Discharge Units HJ .2012 Technical Specifications for Bag Dust Removal Project "Administrative Measures for the Transfer of Hazardous Waste" (Order of the State Environmental Protection Administration No. 5) 2 "Administrative Measures for Pollutant Discharge (Trial)" (Decree No. 48 of the Ministry of Environmental Protection) "Technical Requirements for the Standardization of Sewage Outlets (Trial)" (Huian Jian [1996] No. 470) "Administrative Measures for the Operation of Automatic Monitoring Facilities for Pollution Sources" (Huanfa [2008] No. 6)

### 3 Terms and definitions

The following terms and definitions apply to this standard.

Pollutant emission unit of municipal solid waste incineration Refers to the incineration of domestic garbage, sewage sludge from domestic sewage treatment facilities, and general industrial solid waste.

Incineration plant or power plant.

Permitted emission limits Refers to the maximum discharge concentration (or rate) and amount of pollutants allowed by the pollutant discharge unit as specified in the pollutant discharge permit.

"3T E" combustion control technique it refers to controlling the incineration temperature (Temperature), flue gas residence time (Time), and flue gas turbulence intensity in the furnace.

(Turbulence), excess air (Excess-Air), is conducive to the decomposition of harmful substances in combustion, incomplete combustion products and Ways to inhibit the production of pollutants such as dioxins in incineration.

Abnormal situation

Refers to abnormal working conditions of production facilities (such as incinerator ovens, start-stop furnaces, equipment maintenance, furnace fires, etc.) and pollution prevention (Control) Abnormal conditions of the facility (such as failure to achieve due treatment effect or synchronous operation rate).

#### 4.1 General principles

The pollutant discharge unit shall fill in the corresponding information on the pollutant discharge permit platform in accordance with the requirements of this standard. Not

included in the sewage permit platform, If the local competent department of ecological environment has stipulated that it is necessary to fill in the report or the polluting unit thinks it is necessary to fill in the report, it may add content by itself.

Local eco-environmental authorities at or above the city level with districts may increase the need to discharge sewage in accordance with local environmental protection regulations.

The content contained in the permit shall be filled into the "Environmental Management Departments Manage Content ".

## 4.2 Basic information of sewage units

The basic information of the polluting unit shall be filled in with the name of the unit, whether it needs to be corrected, the type of polluting license management, postal code, and line.

Business type, whether it is put into production and the date of production, the latitude and longitude of the center of the production and operation site, and whether the location is an environmentally sensitive area (such as

3 Atmospheric key control areas, total phosphorus and nitrogen control areas, etc.), whether it is located in an industrial park and the name of its industrial park, environmental impact assessment approval document number (documentation number), local government's identification or filing document number of illegal items, major pollution document number of total material distribution plan, total particulate matter index (t/a), total sulfur dioxide index (t/a), total nitrogen oxides Indicator (t/a), Total Chemical Oxygen Demand Indicator (t/a), Total Ammonia Nitrogen Indicator (t/a), Total Indicators of Other Pollutants Involved Wait.

When reporting industry categories, sludge incineration power generation enterprises from domestic garbage and domestic sewage treatment facilities report Industry (D441) "D4417 Biomass power generation" industry category; general industrial solid waste incineration and incineration power generation enterprises Fill in the "N7723 Solid Waste Treatment" industry category in the "Environmental Treatment Industry (N772)"; domestic waste, domestic sewage department Sludge incineration enterprises generated from processing facilities fill in the "N782 Environmental Sanitation Management" industry in the "Public Facilities Management Industry (N78)" category.

### 4.3.1 General principles

The pollutant discharge unit shall fill in the name of the main production unit, the main process name, Production facility name, production facility number, facility parameters, product name, production capacity and measurement unit, annual production time and other information.