

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

HJ1028-2019

**Technical specification for application and issuance of
pollutant permit - Wine and beverage manufacturing industry**

排污许可证申请与核发技术规范 酒、饮料制造工业

(English Translation)

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Foreword

To implement the "Environmental Protection Law of the People's Republic of China" Water Pollution Prevention and Control Law, Law of the People's Republic of China on Soil Pollution Prevention and Control, and other laws and regulations, and the General Office of the State Council on Printing and Controlling Pollutants Notice of Implementation Plan for Emission Permit System (Guo Dang Fa [2016] No. 81) and "Administrative Measures for Sewage Licensing (Trial)" (Environmental Protection) Order No. 48), improve the technical support system for pollutant discharge permits, and guide and regulate the application for discharge permits for pollutant discharge units in the wine and beverage manufacturing industries Please work with the issuance to develop this standard.

This standard stipulates the requirements for the basic situation of the application for the discharge permit of the sewage discharge unit of the wine and beverage manufacturing industry, and the permit discharge limit.

Method for value determination, actual emissions accounting and compliance determination, as well as self-monitoring, environmental management ledger and emission permit implementation report the requirements for environmental management put forward the technical requirements for the prevention and control of pollution in the wine and beverage manufacturing industry.

Appendix A to Appendix C of this standard are informative annexes.

This standard is the first release.

This standard is formulated by the Department of Environmental Impact Assessment and Emission Management of the Ministry of Ecology and Environment, and the Department of Regulations and Standards.

This standard is mainly drafted by. Light Industry Environmental Protection Research Institute, China Academy of Environmental Sciences, China Liquor Industry Association, China Food Export Yeast Industry Research Institute Co., Ltd.

This standard is approved by the Ministry of Ecology and Environment on June 14, 2019.

This standard has been implemented since June 14, 2019.

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

Sewage permit application and issuance technical specifications Wine and beverage manufacturing industry

1 Scope of application

This standard stipulates the requirements for the basic situation of the application for the discharge permit of the sewage discharge unit of the wine and beverage manufacturing industry, and the permit discharge limit.

Method for value determination, actual emissions accounting and compliance determination, as well as self-monitoring, environmental management ledger and emission permit implementation report the requirements for environmental management put forward the technical requirements for the prevention and control of pollution in the wine and beverage manufacturing industry.

This standard is applicable to guide the drinking water and beverage manufacturing industry sewage disposal units to fill in relevant application information in the national sewage permit management information platform.

At the same time, it is applicable to guide the issuing authority to review and determine the permit requirements for the pollutant discharge permit for the sewage discharge unit of the wine and beverage manufacturing industry.

This standard is applicable to the discharge permit management of atmospheric pollutants and water pollutants discharged by the sewage discharge unit of the wine and beverage manufacturing industry.

In the industrial discharge unit of the wine and beverage manufacturing industry, the sewage production facilities of the "Fire Emission Standard for Air Pollutants of Thermal Power Plants" (GB 13223) may be implemented.

Discharge port, applicable to "Technical Specifications for Application and Issuance of Pollution Discharge Permits in Thermal Power Industry"; Implementation of "Boiler Air Pollutant Emission Standards" (GB 13271) for the sewage production facilities or discharge ports, the "Application for Sewage Permits and the issuance of technical specifications boilers" (HJ 953) shall apply.

This standard does not stipulate, but it discharges industrial waste water, waste gas or toxic and harmful pollutants prescribed by the state.

Other units of the sewage production facilities and discharge ports shall be implemented with reference to the General Rules for the Application and Approval of Pollution Discharge Permits (HJ 942).

2 Normative references

This standard refers to the following documents or their terms. For undated references, the valid version applies to this standard.

GB 8978 Integrated Wastewater Discharge Standard GB 13223 Standard for emission of atmospheric pollutants from thermal power plants GB 13271 Boiler Air Pollutant Emission Standard GB 14554 Odor Pollutant Emission Standard GB 16297 Integrated emission standards for atmospheric pollutants GB 19821 Beer industry pollutant discharge standard GB 27631 Fermented Alcohol and Liquor Industry Water Pollutant Emission Standard GB/T 16157 Determination of particulate matter in fixed pollution source exhaust gas and sampling method of gaseous pollutants HJ 494 Water Quality Sampling Technical Guidance HJ 495 water quality sampling plan design technical regulations HJ 521 Wastewater Discharge Code (Trial) HJ 575 Brewing Industrial Wastewater Treatment Engineering 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 unit environmental management ledger and discharge permit implementation report technical specification general (trial) HJ 953 Sewage Permit Application and Issuance Technical Specification Boiler HJ 2048 Beverage Manufacturing Wastewater Treatment Engineering Technical Specification HJ/T 55 Technical Guidelines for the Monitoring of Unorganized Emissions of Air Pollutants 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 "List of classified management of fixed pollution source discharge permits" Measures for the Management of Pollution Discharge Permits (Trial) (Order No. 48 of the Ministry of Environmental Protection) Technical Requirements for Standardized Remediation of Sewage Discharges (Trial) (Environmental Supervision [1996] No. 470) Measures for the Operation and Management of Automatic Monitoring Facilities for Pollution Sources (Huanfa [2008] No. 6) "Technical Policy for Pollution Prevention and

Control of Beverage and Wine Manufacturing Industry" (No. 7 of the Ministry of Environmental Protection, 2018)

3 Terms and definitions

The following terms and definitions apply to this standard.

Wine manufacturing industry pollutant emission unit Refers to the production of sewage units for fermented alcohol, liquor, beer, rice wine, wine and other wines.

Fermented alcohol production refers to the production of edible alcohol and industrial wine by fermentation and distillation using starch, molasses or other biomass as raw materials.

Production activities of alcohol products such as refined and denatured fuel ethanol.

Liquor manufacturing refers to the use of grains such as sorghum as the main raw material, and the use of Daqu, Xiaoqu or bran and wine wine as saccharification starters, cooking, sugar Production activities of distilled liquor products made by fermentation,, distillation, aging, blending.

Beer manufacturing refers to the use of malt and water as the main raw materials, plus hops (including hop products), saccharification, fermentation, filtration, and irrigation.

The production activities of beer production and other processes, as well as the production of malt for beer-specific raw materials.

Rice wine manufacturing refers to the process of cooking, saccharifying, fermenting, pressing, filtering, decocting, storage, etc. with rice, glutinous rice, etc. as the main raw materials.

Production activities for the production of fermented wine.

Wine making refers to the production of fermented wine containing certain alcohol content by fermentation of whole or part of the whole grape or grape juice.

Production activities.

Other wines include fruit wine, milk wine, brandy, whiskey, vodka, rum, blended wine, and wine.

Beverage manufacturing industry pollutant emission unit Refers to the production of fruit and vegetable juices and fruit and vegetable juice beverages, milk-containing beverages and vegetable protein beverages, carbonated beverages, bottles (cans), drinking water, solid beverages, Sewage unit for tea drinks and other beverages.

Fruit juice and fruit juice drink refers to the use of fruits or (and) vegetables (including edible roots, stems, leaves, flowers, fruits) as raw materials.

A liquid beverage made by processing or fermentation.