

HJ

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**Technical specification for application and issuance of
pollutant permit Printing industry**

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Table of Contents

Foreword	
1 Scope	
2 Normative references	
3 Terms and definitions	
4 Reporting requirements for basic information of sewage units	
5 Corresponding discharge ports and methods for determining permitted discharge limits in the production and discharge sectors	
6 Possible technical requirements for pollution prevention	
7 Self-monitoring management requirements	
8 Requirements for Compiling Environmental Management Ledger and Pollutant Emission Permit Report	
9 Accounting method for actual emissions	
10 Compliance Determination Method	
Appendix A (Informative) Possible technical parameters for pollution prevention	
Appendix B (Informative) Reference Table of Environmental Management Ledger Records (Key Management)	
Appendix C (Informative) Reference Table of Environmental Management Ledger Records (Simplified Management)	
Appendix D (Informative) Summary of Pollutant Permit Implementation	
Appendix E (Informative) Form of Annual Implementation Report of Sewage Permit (Key Management)	
Appendix F (Informative) Form of Annual Implementation Report of Sewage Permit (Simplified Management)	
Appendix G (informative) Recommended method for calculating actual emissions	

Foreword

In order to implement the "Environmental Protection Law of the People's Republic of China" Water Pollution Control Law, Soil Pollution Control Law of the People's Republic of China, and other laws and regulations;

Notice on the Implementation Plan of the Emission Permit System (State Office of the People's Republic of China No..2016 ? 81) "Administrative Measures for Emission Permits (Trial)" (Order of the Ministry of Environmental Protection no. 48) and "List of Classified Management of Pollutant Discharge Permits for Fixed Pollution Sources", improve the technical support system for pollution permits, and guide and regulate the printing industry

the pollutant discharge unit shall apply for and issue a discharge permit to develop this standard.

This standard specifies the basic requirements for the application and issuance of pollutant discharge permits for the printing industry's pollutant discharge units, the determination of permitted emission limits, Compliance determination methods and environmental management requirements such as self-monitoring, environmental management ledger, and pollution permit execution reports, proposed the printing industry Feasible technical requirements for pollution prevention.

Appendices A to G 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 Scope

This standard specifies the basic requirements for the application and issuance of pollutant discharge permits for the printing industry's pollutant discharge units, the determination of permitted emission limits, Technical methods for compliance determination and environmental management requirements such as self-monitoring, environmental management ledger, and pollution permit execution report, proposed pollution Technical requirements for prevention and treatment.

This standard is applicable to guide the printing industry sewage discharge unit to fill in the national sewage license management information platform (hereinafter referred to as the sewage license platform).

Reporting relevant application information is applicable to guide the issuing authority to review and determine the permit requirements of the pollutant discharge unit of the pollutant discharge unit.

This standard applies to the emission permit management of air pollutants and water pollutants discharged by the pollutant discharge units of the printing industry.

Production facilities and discharge outlets that implement the "Boiler Air Pollutant Emission Standard" (GB 13271) in the pollutant discharge units of the printing industry are applicable in "Sewage Permit Application and Issuance of Technical Specifications for Boilers" (HJ 953).

Printing industry sewage units that do not make provisions in this standard but discharge industrial waste water, waste gas or toxic and hazardous pollutants prescribed by the state Other pollution-producing facilities and discharge outlets are implemented in accordance

with the General Rules for the Application of Pollutant Discharge Permits and Technical Specifications (HJ 942).

2 Normative references

The content of this standard refers to the following documents or the clauses therein. For undated references, the valid version is applicable to this standard.

GB 8978 Integrated Wastewater Discharge Standard GB 13271 Boiler Air Pollutant Emission Standard GB 16297 comprehensive emission standards for air pollutants GB 37822 Volatile Organic Compounds Emission Control Standard GB/T 4754-2017 National Economic Industry Classification GB/T 16157 Determination of particulate matter and sampling methods of gaseous pollutants in exhaust gas from fixed pollution sources and amendments Classification and technical conditions of GB/T 16158 exhaust hood HJ 75 Technical Specifications for Continuous Monitoring of Flue Gas (SO₂, NO_x, Particulate Matter) Emissions from Stationary Pollution Sources HJ 493 Technical Requirements for Preservation and Management of Water Sampling Samples HJ 494 Water Quality Sampling Technical Guide HJ 495 Water Quality Sampling Scheme Design Technical Regulations HJ 608 Sewage unit coding rules HJ 732 Sampling air bag method for volatile organic compounds in fixed source exhaust gas 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 953 Application for Sewage Permit and Issuance of Technical Specifications HJ/T 55 Technical guidelines for fugitive emissions monitoring of air pollutants HJ/T 91 Technical specifications for surface water and sewage monitoring HJ/T 373 Technical Specifications for Monitoring Quality Assurance and Quality Control of Fixed Pollution Sources (Trial) HJ/T 397 Fixed source exhaust gas monitoring technical specifications AQ/T 4274 Technical Specifications for Detection and Evaluation of Controlled Wind Speed in Local Exhaust Facilities "Circular of the State Council on Printing and Distributing the Three-Year Action Plan to Win the Blue Sky Defense War" (Guo Fa [2018] No. 22) Catalogue of Classified Management of Pollutant Discharge Permits for Fixed Pollution Sources "Administrative Measures on Pollutant Discharge Permit (Trial)" (Decree No. 48 of the Ministry of Environmental Protection) "Technical Requirements for the Standardization of Sewage Outlets (Trial)" (SEPA 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 of Air Pollutants (Ministry of Environmental Protection Announcement.2013 No. 14) "Volatile Organic Compounds (VOCs) Pollution Control Technology Policy" (Announcement No. 31 of 2013 from the Ministry of Environmental Protection) "Reply Letter on Issues Concerning the Implementation of Special Emission Limits of Air Pollutants" (Environment Office Atmospheric Letter [2016] 1087)

3 Terms and definitions

The following terms and definitions apply to this standard.

Printing

Refers to the copying process of transferring a toner/colorant (such as ink) to a substrate using an analog or digital image carrier.

Printing industry

Refers to production activities such as typesetting, plate making, coating before printing, varnishing, laminating, foiling, and mounting after printing.

Printing industry pollutant emission unit Refers to the sewage units engaged in the printing industry.

Printing ink

Refers to the substance used to print on the substrate in the printing process, mainly composed of binder, pigment, solvent, auxiliary and so on.

Relief printing

The graphic part of the finger print is higher than the non-graphic part.

Planographic printing the printing method of the graphic part and the non-graphic part of the finger printing plate is almost on the same plane.

Gravure printing

The graphic part of the finger print is lower than the non-graphic part.

Permeographic printing A printing method in which the graphic area of the printing plate is leaking ink and the ink is not leaking in the non-graphic area.

Flexographic printing Refers to the printing method in which the ink is transferred to the surface of the substrate with an elastic relief printing plate.

3.10

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.

3.11

Special periods

Refers to the pollution control unit 's pollution control plan based on the environmental quality deadlines or other relevant environmental management documents formulated by