

ICS 13.060.30
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HJ

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

HJ 2036-2013

**Technical specifications for dyeing industry wastewater
treatment**

(English Translation)

Issued on: January 1, 1970

Implemented on: January 1, 1970

Issued by: Ministry of Ecology and Environment

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Foreword

Standardizing dyes for the implementation of the Environmental Protection Law of the People's Republic of China and the Law of the People's Republic of China on Water Pollution Prevention this standard is formulated for the construction and operation management of industrial wastewater treatment projects, prevention of environmental pollution, protection of the environment and human health.

This standard specifies the principles and measures for the treatment of dye industrial wastewater, as well as the design and construction of dye industrial wastewater treatment projects.

Technical requirements for acceptance and operation.

This standard is a guidance document.

This standard is the first release.

This standard was formulated by the Science and Technology Standards Department of the Ministry of Environmental Protection.

This standard is mainly drafted by. China Environmental Science Society, Shenyang Chemical Research Institute Co., Ltd., Jiangsu Environmental Science Research Institute, Shanghai Wande Chemical Co., Ltd., Jiangsu Yabang Dyestuff Co., Ltd.

This standard was approved by the Ministry of Environmental Protection on September 26, 2013.

This standard has been implemented since December 1, 2013.

This standard is explained by the Ministry of Environmental Protection.

Technical specification for dye industrial wastewater treatment engineering

1 Scope of application

This standard specifies the technical requirements for the whole process of design, construction, acceptance and operation management of dye industrial wastewater treatment engineering.

This standard is applicable to the dye industrial wastewater treatment project, and can be used as environmental impact assessment and environmental protection for dye industry construction projects.

The technical basis for the design and construction of the protection facilities, the environmental protection acceptance of the completion of the construction project and the operation and management after completion.

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 150 pressure vessel GB 3096 Acoustic Environmental Quality Standard GB 7251.1-5 Low-voltage switchgear and control equipment GB 8978 Integrated Wastewater Discharge Standard GB 12348 industrial enterprise boundary noise standard General rules for safety and health requirements of GB 12801 production process GB 14554 Odor Pollutant Discharge Standard GB 18484 Hazardous Waste Incineration Control Standard GB 18597 Hazardous Waste Storage Pollution Control Standard GB 18599 General industrial solid waste storage and disposal site pollution control standards GB 50014 Outdoor Water

Supply and Drainage Design Code GB 50015 Building Water Supply and Drainage Design Code GB 50016 Building Design Fire Code GB 50019 Heating, Ventilation and Air Conditioning Design Code GB 50033 Architectural lighting design standard GB 50037 Building Ground Design Specification GB 50046 industrial building anti-corrosion design specification GB 50052 design specification for power distribution system GB 50053 10kV and below substation design specifications GB 50054 Low Voltage Distribution Design Specification GB 50055 general purpose electrical equipment power distribution design specification GB 50057 lightning protection design code for buildings GB 50058 Specification for design of electrical installations for explosion and fire hazard environments GB 50069 Water supply and drainage engineering structure design specification GB 50093 automation instrument engineering construction and acceptance specification GB 50108 Underground Engineering Waterproof Technical Specifications GB 50116 Fire Automatic Alarm System Design Specification GB 50168 Electrical installation engineering cable line construction and acceptance specifications GB 50169 Electrical installation engineering grounding device construction and acceptance specifications GB 50187 General Plan for Design of Industrial Enterprises GB 50204 Concrete Structure Engineering Construction Quality Acceptance Specification GB 50208 Underground Waterproof Engineering Quality Acceptance Specification GB 50222 Building interior decoration and design fire protection specification General specification for construction and acceptance of GB 50231 mechanical equipment installation engineering GB 50236 Field equipment, industrial pipeline welding engineering construction and acceptance specifications GB 50243 Ventilation and air conditioning engineering quality acceptance specification GB 50254 Electrical installation engineering Low-voltage electrical installation and acceptance specifications GB 50255 Electrical installation engineering construction and acceptance specifications for power converter equipment GB 50256 Electrical installation and construction crane electrical installation construction and acceptance specifications GB 50257 Electrical installation engineering explosion and fire hazard environment electrical installation construction and acceptance specifications GB 50258 Electrical installation engineering 1 kV and below wiring construction and acceptance specifications GB 50259 Electrical installation engineering electrical lighting installation construction and acceptance specifications GB 50268 Water supply and drainage pipeline engineering construction and acceptance specifications GB 50275 Compressor, fan, pump installation engineering construction and acceptance specifications GB 50334 Urban Wastewater Treatment Plant Engineering Quality Acceptance Specification GB 50335 Wastewater Recycling Engineering Design Specification GB J 87 Industrial Enterprise Noise Control Design Specification GB J 141 Code for construction and acceptance of water supply and drainage structures GBZ 1 industrial enterprise design hygiene standard GBZ 2 Industrial site harmful factors occupational exposure limit HJ 576 Anaerobic-anoxic-aerobic activated sludge process technical specification HJ 577 Sequencing Batch Activated Sludge Wastewater Treatment Engineering Technical Specification HJ 578 Oxidation ditch activated sludge method sewage treatment engineering technical specification HJ/T 91 Surface

Water and Wastewater Monitoring Technical Specifications HJ/T 92 Water Pollutant Total Monitoring Technical Specification HJ/T 242 Environmental Protection Product Technical Requirements Belt Press Filter for Sludge Dewatering Machine HJ/T 245 Environmental Protection Products Technical Requirements Hanging Packing HJ/T 246 Environmental Protection Products Technical Requirements Suspended Packing HJ/T 247 Technical requirements for environmental protection products Vertical shaft mechanical surface aerator HJ/T 250 Environmental Protection Products Technical Requirements Rotary Fine Grille HJ/T 251 environmental protection product technical requirements Roots blower HJ/T 252 environmental protection product technical requirements, microporous aerator HJ/T 259 environmental protection product technical requirements rotary brush aeration device HJ/T 260 Environmental Protection Product Technical Requirements Blasting Submersible Aerator HJ/T 262 environmental protection product technical requirements grille decontamination machine HJ/T 263 Environmental Protection Product Technical Requirements Jet Aerator HJ/T 278 environmental protection product technical requirements single-stage high-speed aeration centrifugal blower HJ/T 280 environmental protection product technical requirements rotary aerator HJ/T 281 environmental protection product technical requirements diffuser aerator HJ/T 283 environmental protection product technical requirements chamber filter press and plate and frame filter press HJ/T 335 environmental protection product technical requirements sludge concentration belt dewatering machine HJ/T 336 Environmental Protection Product Technical Requirements Submersible Sewage Pump HJ/T 354 Environmental Protection Products Technical Requirements Water Pollution Source Online Monitoring System Acceptance Technical Specification (Trial) HJ/T 369 Environmental Protection Product Technical Requirements Dosing Device for Water Treatment HJ/T 2006 Technical Specifications for Sewage Coagulation and Flocculation Treatment Engineering HJ/T 2015 Water Pollution Control Engineering Technical Guidelines "Measures for Completion and Acceptance of Construction Projects (Engineering)", Construction (1990) No. 1215 Measures for the Administration of Environmental Protection Completion Acceptance of Construction Projects.2001 Order No. 13 of the State Environmental Protection Administration National Directory of Hazardous Wastes Reform Commission Order No. 1 (2008 Ring 1)

3 Terms and definitions

The following terms and definitions apply to this standard.

3.1 Dye industry dyeing industry

Refers to the chemical industry that produces dyes and dye intermediates.