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

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**Technical guidelines on water pollution control engineering
(English Translation)**

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Table of Contents

Foreword

1 Scope of application

2 Normative references

3 Terms and definitions

3.1 Water pollution control engineering water pollution control engineering

3.2 General equipment universal equipment

3.3 Special machinery specific machine

4 Water quantity and water quality

4.1 General provisions

4.2 Water volume

4.3 Water quality

5 General requirements

5.1 General provisions

5.2 Construction scale

5.3 Plant (station) site selection and overall layout

Foreword

Standardize water pollution in order to implement 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 and Control the design, construction, acceptance, operation and maintenance of the dyeing treatment project, improve the quality of the water environment, and develop this standard.

This standard specifies the general technical requirements for water pollution control engineering in design, construction, acceptance and operation and maintenance.

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 Protection Industry Association, Tianjin Urban Construction College, Tianjin Environmental Protection Division Institute of Science and Technology, Tianjin Municipal Engineering Design and Research Institute.

This standard was approved by the Ministry of Environmental Protection on March 19,

2012.

This standard has been implemented since June 1, 2012.

This standard is explained by the Ministry of Environmental Protection.

Water pollution control engineering technical guidelines

1 Scope of application

This standard specifies the general technical requirements for water pollution control engineering in design, construction, acceptance and operation and maintenance.

This standard is a general technical specification in the environmental engineering technical specification system and is applicable to plant (station) type sewage (waste) water treatment.

engineering. For projects with corresponding process specifications or pollution source control technical specifications, this standard and corresponding Technical specifications or pollution source control technical specifications.

This standard can be used as a technology for environmental impact assessment, design, construction, completion acceptance and operation and maintenance of water pollution control projects.

in accordance with.

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 steel pressure vessel GB 4284 Contaminant control standard for agricultural sludge GB 5085.3 Identification criteria for hazardous wastes GB 5757 ion exchange resin water content determination method Determination of particle size, effective particle size and uniformity coefficient of GB 5758 ion exchange resin GB 8330 ion exchange resin wet true density determination method GB 8331 ion exchange resin wet density determination method GB 9004 Industrial Magnesium Oxide GB 12348 Environmental noise emission standards for industrial enterprises GB 12523 Environmental noise emission standards and measurement methods for construction site boundaries GB 12997 Water quality sampling plan design technical regulations GB 12998 Water Quality Sampling Technical Guidance GB 12999 Technical regulations for the preservation and management of water sampling samples GB 14554 Odor Pollutant Discharge Standard GB 14936 Diatomaceous earth hygiene standard GB 15577 dust explosion safety regulations GB 15981 Evaluation methods and standards for disinfection and sterilization effects GB 16297 Integrated emission standards for atmospheric pollutants GB 16889 Domestic Waste Landfill Pollution

Control Standard GB 18484 Hazardous Waste Incineration Pollution Control Standard GB 18597 Hazardous Waste Storage Pollution Control Standard GB 18598 Hazardous Waste Landfill Pollution Control Standard GB 18918 Pollutant discharge standard for urban sewage treatment plants GB 50013 Outdoor Water Supply Design Code GB 50014 Outdoor 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 50028 town gas design code GB 50040 power machine basic 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 50092 asphalt pavement construction and acceptance specifications GB 50093 automation instrument engineering construction and acceptance specification GB 50116 Fire Automatic Alarm System Design Specification GB 50140 Building Fire Extinguisher Configuration Design Specification GB 50202 Code for construction quality acceptance of building foundation engineering GB 50203 Masonry Engineering Construction and Acceptance Specifications GB 50204 Concrete Structure Engineering Construction Quality Acceptance Specification GB 50205 Steel Structure Engineering Construction Quality Acceptance Specification GB 50206 Wood Structure Engineering Construction Quality Acceptance Specification GB 50217 Power Engineering Cable Design Specification General specification for construction and acceptance of GB 50231 mechanical equipment installation engineering GB 50235 Industrial metal pipeline engineering construction and acceptance specifications GB 50236 Industrial Pipe Welding Engineering Construction and Acceptance Specifications 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 1kV 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 50300 Unified standard for construction quality acceptance of construction projects GB 50334 Urban Wastewater Treatment Plant Engineering Quality Acceptance Specification GB 50336 Design code for water in buildings GB 5085.3 Identification criteria for hazardous wastes GB/T 5657 centrifugal pump technical conditions (Class III) GB/T 6286 molecular sieve bulk density determination method GB/T 6287 molecular sieve static water adsorption determination method GB/T 6288 granular molecular sieve particle size determination method GB/T 7701.1 coal granular activated carbon for desulfurization GB/T 7701.2 recovery of solvent coal granular activated carbon GB/T 7701.4 Purified water coal granular activated carbon GB/T 7701.5 Purified air coal granular activated carbon GB/T 7701.7

High-efficiency adsorption coal granular activated carbon GB/T 10605 Center Drive
Thickener GB/T 13008 mixed flow pump, axial flow pump technical conditions GB/T 13869
Electricity Safety Guidelines GB/T 13922 water treatment equipment performance test ion
exchange equipment GB/T 16907 centrifugal pump technical conditions (Class I) GB/T
19587 gas adsorption BET principle method for determining specific surface area of solid
materials GB/T 19837 city water supply and drainage ultraviolet disinfection equipment
GB/T 20973 bentonite GB/T 23485 Municipal sewage treatment plant sludge disposal
mixed landfill mud GB/T 23486 Urban sewage treatment plant sludge disposal landscaping
mud GB/T 24600 urban sewage treatment plant sludge disposal land improvement mud
GB/T 25031 Urban sewage treatment plant sludge disposal bricks GB/T 28001
Occupational Health and Safety Management System Specification GB/T 50109 Industrial
water softening and desalination design specification GB/T 50125 Basic terminology
standard for water supply and drainage engineering GB/T 50265 pump station design
specification GB/T 50335 Wastewater Recycling Engineering Design Specification GB J 42
Industrial Enterprise Communication Design Specification GB J 87 Industrial Enterprise
Noise Control Design Specification GB J 97 Cement Concrete Pavement Construction and
Acceptance Specifications GB J 109 Design code for industrial water softening and
desalination GB J 131 automated instrument installation engineering quality inspection and
evaluation standards GB J 141 Code for construction and acceptance of water supply and
drainage structures GB J 232 electrical installation engineering construction and
acceptance specifications GBZ 1 industrial enterprise design hygiene standard GBZ 2
workplace occupational exposure limit CJ 24.2 Anthracite filter for water treatment CJ 3025
Urban sewage treatment plant sewage sludge discharge standard CJ 3082 Sewage
discharged into urban sewer water quality standards CJ/T 43 water treatment filter CJ/T
169 microfiltration water treatment equipment CJ/T 3041 natural manganese sand filter for
water treatment CJJ 6 Drainage Pipe Maintenance Safety Technical Regulations CJJ 31
Urban Wastewater Treatment Plant Auxiliary Building and Auxiliary Equipment Design
Standard CJJ 60 Urban Wastewater Treatment Plant Operation, Maintenance and Safety
Technical Regulations CJJ 68 Technical regulations for maintenance of urban drainage
pipes and pumping stations CJJ/T 82 Urban Greening Construction and Acceptance
Specifications Design code for CECS 97 blast aeration system CECS 162 Water Supply
and Drainage Instrumentation Automation Control Engineering Construction and
Acceptance Specifications HJ 471 Textile Dyeing and Finishing Industrial Wastewater
Treatment Engineering Technical Specification HJ 564 Domestic Waste Landfill Leachate
Treatment Engineering Technical Specification (Trial) HJ 575 Brewing Industrial Wastewater
Treatment Engineering Technical Specification HJ 577 Sequencing Batch Activated Sludge
Wastewater Treatment Engineering Technical Specification HJ 578 Oxidation Ditch
Activated Sludge Wastewater Treatment Engineering Technical Specification HJ 580 Oily
Wastewater Treatment Engineering Technical Specification HJ .2002 Electroplating
Wastewater Treatment Engineering Technical Specification HJ .2003 Technical
Specifications for Tanning and Fur Processing Wastewater Treatment Engineering HJ .2004