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PEOPLE'S REPUBLIC OF CHINA**

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**Technical guidelines for air pollution control projects
(English Translation)**

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Foreword

To implement the "Environmental Protection Law of the People's Republic of China", "The Cleaner Production Promotion Law of the People's Republic of China" Law on the Prevention and Control of Gas Pollution, standardizing the construction and operation management of air pollution control projects, preventing environmental pollution, protecting the environment and human health, Set this standard.

This standard specifies the general technical requirements for air pollution control projects.

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 (Electric Dust Removal Committee), Sinosteel Tiancheng Environmental Protection Technology Co., Ltd.

Company, Wuhan University of Science and Technology, Thumb Environmental Technology Group (Fujian) Co., Ltd., PLA Research Institute, China New Era International Cheng Company, Wuhan Kaidi Power Environmental Protection Co., Ltd., Xi'an University of Architecture and Technology.

This standard was approved by the Ministry of Environmental Protection on December 27, 2010.

This standard has been implemented since March 1, 2011.

This standard is explained by the Ministry of Environmental Protection.

Technical Guidelines for Air Pollution Control Engineering

1 Scope of application

This standard specifies the general technical requirements for the design, construction, acceptance, operation and maintenance of air pollution control projects.

This standard is a general technical specification in the environmental engineering technical specification system.

For projects that have corresponding process specifications or key pollution source technical specifications, this standard and corresponding process technologies shall be implemented simultaneously.

Specifications or key pollution source technical specifications; for projects without process technical specifications or key pollution source technical specifications, this standard should be implemented.

This standard can be used as the technical basis for environmental impact assessment, design, construction, acceptance, operation and management of air pollution control projects.

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 755 rotary motor rating and performance GB 3095 Ambient Air Quality Standard GB 4387 Safety regulations for railway and road transportation within industrial enterprises GB 8978 Integrated Wastewater Discharge Standard Technical requirements for GB/T 6719 bag filter GB 12158 General Guidelines for Preventing Electrostatic Accidents GB 12348 Environmental noise emission standards for industrial enterprises GB/T 13347 oil gas pipeline flame arrester GB 14554 Odor Pollutant Discharge Standard GB 15577 dust explosion safety regulations GB 16297 Integrated emission standards for atmospheric pollutants GB 18218 Identification of major hazard sources of hazardous chemicals GB 19517 National Electrical Equipment Safety Technical Specification GB.20101 Safety rules for painting operations - Safety regulations for organic waste gas purification devices GB 50003 masonry structure design specification GB 50007 Building Foundation Design Specification GB 50009 Building Structure Load Specification GB 50010 concrete structure design specification GB 50011 seismic design code for buildings 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 50017 steel structure design specification GB 50019 Heating, Ventilation and Air Conditioning Design Code GB 50040 power machine basic design specification GB 50051 chimney 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 50060-2008 3 ~ 110 kV high voltage power distribution unit design specification GB 50116 Fire Automatic Alarm System Design Specification GB 50140 Building Fire Extinguisher Configuration Design Specification GB 50160 Petrochemical Enterprise Design Fire Protection Code GB 50187 General Plan for Design of Industrial Enterprises GB 50191 seismic design code for structures GB 50202 Code for construction quality acceptance of building foundation engineering GB 50203 Masonry Construction Quality Acceptance Specification GB 50204 Concrete Structure Engineering Construction Quality Acceptance Specification GB 50205 Steel Structure Engineering Construction Quality Acceptance Standard Specification GB 50217 Power Engineering Cable Design Specification GB 50229 Fire power plant and substation 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 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 50275 Compressor, fan, pump installation engineering construction and acceptance specifications GB 50300 Unified standard for construction quality acceptance of construction projects GB 50336 Design code for water in buildings GB J 87 Industrial Enterprise Noise Control Design Specification GBZ 1 industrial enterprise design hygiene standard GBZ 2.1 Occupational exposure limits for workplace hazards Part 1. Chemical hazards GBZ 2.2 Occupational exposure limits for workplace hazards Part 2. Physical hazards GB/T 13466 AC electric drive fan (pump, air compressor) system economic operation rules GB/T 13468 Test and calculation method for energy balance of pump system GB/T 13469 centrifugal pump, mixed flow pump, axial flow pump and vortex pump system economic operation GB/T 13931 electrostatic precipitator performance test method GB/T 16157 Determination of particulate matter in fixed pollution source exhaust gas and sampling method of gaseous pollutants GB/T 19839 General technical conditions for industrial fuel gas burners GB/T 28001 Occupational Health and Safety Management System Specification GB/T 50102 Industrial circulating water cooling design specification HJ 435 Steel Industry Dust Removal Engineering Technical Specification Technical specification for HJ 462 industrial boiler and kiln wet flue gas desulfurization engineering HJ 562 Thermal Power Plant Flue Gas Denitration Engineering Technical Specification Selective Non-Catalytic Reduction Method HJ 563 Thermal Power Plant Flue Gas Denitration Engineering Technical Specification Selective Catalytic Reduction Method HJ/T 75 Technical Specifications for Continuous Monitoring of Flue Gas Emissions from Fixed

Sources Technical requirements and testing methods for HJ/T 76 continuous pollution source emission monitoring system HJ/T 178 Thermal Power Plant Flue Gas Desulfurization Engineering Technical Specification Flue Gas Circulating Fluidized Bed Method HJ/T 179 Thermal Power Plant Flue Gas Desulfurization Engineering Technical Specification Limestone/Lime-Gypsum Method HJ/T 284 environmental protection product technical requirements electromagnetic pulse valve for bag filter HJ/T 288 environmental protection product technical requirements wet flue gas desulfurization and dust removal device HJ/T 319 environmental protection product technical requirements granite wet flue gas desulfurization and dust removal device HJ/T 320 Environmental Protection Product Technical Requirements Electrostatic Precipitator High Voltage Rectifier Power Supply HJ/T 321 Environmental Protection Product Technical Requirements Electrostatic Precipitator Low Voltage Control Power Supply HJ/T 322 Environmental Protection Products Technical Requirements Electrostatic Precipitator HJ/T 324 environmental protection product technical requirements filter material for bag filter HJ/T 325 environmental protection product technical requirements bag filter bag frame HJ/T 326 environmental protection product technical requirements film filter for bag filter HJ/T 327 environmental protection product technical requirements bag filter bag HJ/T 328 Environmental Protection Products Technical Requirements Pulse Injection Bag Type Dust Collector HJ/T 329 environmental protection product technical requirements rotary blowback bag filter HJ/T 330 Environmental Protection Product Technical Requirements Chamber Backflush Bag Filter HJ/T 386 environmental protection product technical requirements industrial waste gas adsorption purification device HJ/T 387 Environmental Protection Product Technical Requirements Industrial Waste Gas Absorption and Purification Device HJ/T 388 Environmental Protection Product Technical Requirements Industrial Organic Waste Gas Catalytic Purification Device DLGJ 56 Thermal power plant and substation lighting design technical regulations DL/T 514 coal-fired power plant electrostatic precipitator Overvoltage protection and insulation coordination of DL/T 620 AC electrical installations DL/T 657 thermal power plant analog control system acceptance test procedures DL/T 658 Thermal Power Plant Switching Quantity Control System Acceptance Test Procedure DL/T 659 thermal power plant decentralized control system acceptance test procedures DL/T 5041 Thermal power plant in-plant communication design technical regulations DL/T 5044 Power Engineering DC System Design Technical Regulations DL/T 5153 Thermal power plant power consumption design technical regulations Technical specification for secondary wiring design of DL/T 5136 thermal power plant substation DL/T 5137 Electrical Measurement and Energy Metering Device Design Technical Regulations DL/T 5190.5 Technical specification for construction and acceptance of electric power - Part 5. Thermal automation DL/T 5403 Thermal power plant flue gas desulfurization project adjustment trial operation and quality acceptance assessment procedures HGJ 32 rubber lining chemical equipment Technical specification for HGJ 209 steel structure and pipe coating HG/T 3797 glass scale lining clay HG/T 20649 General Specification for Transportation Design of Chemical Enterprises JB/T 6407 Electrostatic precipitator safety, technical specifications for