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**Management technical specification of the operation of flue gas
treatment facilities of thermal power plant**

火电厂烟气治理设施运行管理技术规范

(English Translation)

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Table of Contents

Preface .II
1 Scope
2 Normative references
3 Terms and definitions
4 General requirements
5 Flue gas treatment facilities in operation, repair and maintenance
6 Flue gas treatment facilities in operation, repair, maintenance, process requirements .7
7 Safety, Health, Environment
Commitment Appendix A (informative) flue gas treatment facilities of claim
Annex B (informative) flue gas treatment facilities and periodically switching requirements
Annex C (informative) flue gas treatment facilities regularly test requirements
Annex D (informative) flue gas treatment facilities handling Troubleshooting .24
Content Appendix E (normative) flue gas treatment facilities to run the report

Foreword

To implement the "Air Pollution Prevention Law" to regulate the operation and management of thermal power plant flue gas treatment works, control of environmental pollution, improve High air quality and improve the environment, the development of this standard.

This standard specifies the requirements of thermal power plant flue gas treatment facilities operation, maintenance and management and maintenance.

This standard is the guiding document.

This standard is the first release.

This standard is developed by the Ministry of Environmental Protection Science, Technology organization.

This standard was drafted. Chinese Society for Environmental Sciences, State Power Environmental Protection Research Institute, Beijing Guodian Longyuan Environmental Engineering have Ltd., Fujian Longking Co., Ltd., China Academy of Environmental Sciences.

This standard Ministry of Environmental Protection June 10, 2014 for approval.

This standard since September 1, 2014 implementation.

The standard explanation by the Ministry of Environmental Protection.

Thermal power plant flue gas treatment facilities operation and management of the technical specifications

1 Scope

This standard specifies the requirements of thermal power plant flue gas treatment facilities in operation, inspection and maintenance management and other aspects.

This standard applies to more than 200 MW thermal power plant units supporting flue gas treatment facilities and other units can be implemented by reference.

2 Normative references

The standard content of the following documents cited in the articles. For undated references, the effective version applies to this standard.

GB 536 liquid anhydrous ammonia GB 2440 urea GB 12348 industrial enterprises of environmental noise emission standard plant boundary GB 13223 Thermal Power Plant Air Pollutant Emission Standards GB 18598 Hazardous Waste Landfill Pollution Control Standard GB 18599 general industrial solid waste storage and disposal site pollution control standards GB 26164.1 electricity industry safety regulations - Part 1. Thermal and mechanical part GB 50040 dynamic machine foundation design specification GB/T 12801 General requirements for the production process safety and health GB/T 21509 from flue gas denitrification technology and equipment GB/T 27869 Electrostatic Fabric Filter GB J 87 industrial enterprises in the field area of noise control design specifications GB Z 1 Design of Industrial Enterprises hygiene standards GB Z 2.1 hazardous industrial sites Occupational Exposure Limits for chemical harmful factors HJ 562 thermal power plant flue gas denitration project technical specifications selective catalytic reduction HJ 563 thermal power plant flue gas denitration project technical specifications selective non-catalytic reduction HJ 2000 air pollution control engineering and technical guidelines HJ 2001 thermal power plant flue gas desulfurization project technical specification ammonia HJ -BAT-001 coal-fired power plant pollution control BAT guidelines (Trial) HJ/T 75 stationary sources Continuous Emission Monitoring System Specification (Trial) HJ/T 76 stationary sources Continuous Emission Monitoring system technical requirements and test methods (Trial) HJ/T 178 thermal power plant flue gas desulfurization project technical specification flue gas CFB HJ/T 179 thermal power plant flue gas desulfurization project technical specification limestone/lime - gypsum HJ/T 212 pollution-line automatic monitoring (monitoring) system data transmission standards HJ/T 255 Construction Project Environmental Protection acceptance for power plant DL 5009.1 power construction safety regulations Part I. Thermal Power Plant DL 5053 Power Plant labor safety and industrial hygiene design procedures DL/T 322 thermal power plant flue gas denitrification (SCR)

equipment maintenance procedures DL/T 335 thermal power plant flue gas denitrification (SCR) system operating specifications DL/T 341 Power Plant limestone/lime - gypsum wet flue gas desulfurization plant maintenance guidelines DL/T 362 coal-fired power plant environmental facilities health evaluation of technical specifications DL/T 414 Thermal Power Plant Environmental Monitoring Technical Specifications DL/T 461 coal-fired power plant operation and maintenance of ESP Management Guide DL/T 692 emergency ambulance power industry technical specifications DL/T 748.1 BOILER Unit Maintenance Guide - Part 1. General DL/T 748.6 BOILER Unit Maintenance Guide - Part 6. Dust overhaul DL/T 748.10 power plant boiler unit maintenance guide - Part 10. desulfurization plant maintenance DL/T 799 power industry working environment monitoring technical specifications DL/T 838 Power Plant Maintenance Guide DL/T 986 wet flue gas desulfurization performance testing specifications DL/T 997 Thermal Power Plant limestone - gypsum wet desulphurization wastewater quality control targets DL/T 999 Limestone - gypsum wet flue gas desulfurization equipment performance acceptance test specifications DL/T 1050 Electric Power Environmental Protection Technology Supervision Guidelines DL/T 1051 Electric Power Technical Supervision Guidelines DL/T 1121 coal-fired power plant boiler flue gas dust bag engineering and technical specifications DL/T 1149 Power Plant limestone/lime - gypsum wet flue gas desulfurization unit to run Guide DL/T 5196 Technical specification for power plant flue gas desulfurization design DL/Z 870 thermal power equipment enterprise Point Inspection Based Maintenance Management Guidelines JB/T 6407 ESP design, commissioning, operation, maintenance and safety specifications "Pollution automatic monitoring and management approach" (SEPA 2005 28 Decree) "Source of pollution automatic monitoring facilities operation and management approach" (Ministry of Environmental Protection, 2008 UNCED [2008] No. 6) "Dangerous chemical safety regulations" (People's Republic of China State Council Decree No. 591 of 2011) "Source of pollution automatic monitoring facilities on-site supervision and inspection measures" (Ministry of Environmental Protection Decree 19 of 2012)

3 Terms and Definitions

The following terms and definitions apply to this standard.

3.1

thermal power plant flue gas treatment facilities, flue gas treatment facilities of thermal power plant for the management of thermal power plant emissions of sulfur dioxide in the flue gas (SO₂), nitrogen oxides (NO_x), soot and other air pollutants, mention High air quality and improve the environment and to build facilities. In this standard specifically refers to the flue gas denitrification facilities and flue gas dust removal facilities Flue gas desulphurization facilities and supporting continuous testing facilities.

4 General requirements

Technology selection and construction 4.1 flue gas treatment facilities shall meet the requirements of relevant national standards and regulations, and through the construction project Environmental Protection Acceptance Check.

4.2

flue gas treatment facilities put into operation, thermal power plant air pollutant emission concentration in the flue gas should meet national and local emission standards, SO₂ and NO_x emissions should also meet the requirements of national and local total control of.

4.3

flue gas treatment facilities is an integral part of the production system of thermal power plants, shall require the master device operation, repair and maintenance of pipes Management.

4.4

Power Plant should be established to protect the flue gas treatment facilities and reliable operation of the management system, including organizational structure, system Degree, regulations, accident prevention and emergency plans, personnel training, technology management and assessment methods and the like.

4.5

Power Plant should be the premise of ensuring reliable operation of flue gas treatment facilities and emissions of pollutant concentrations stability and compliance, continuous optimization Run, energy-saving economy.

4.6

flue gas treatment facilities run by autonomous thermal power plants can also be done by institutions with qualified operators run.

4.7

thermal power plant flue gas treatment facilities should be in accordance with "pollution automatic monitoring and management approach" and HJ/T 76 requirements, installation atmosphere Continuous emissions testing equipment, its operation and management should meet the "source of pollution automatic monitoring facilities operation and management," the "dirty Transfection source automatic monitoring facilities on-site supervision and inspection practices "and other related environmental requirements.

4.8

Power Plant should establish and strengthen flue gas treatment facilities completion data, the operator of the procurement of raw materials and consumption, system operation maintenance, Equipment maintenance and personnel training records and reports, records