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**INDUSTRY STANDARD OF THE
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**Code for waste-to-energy plant from the unit commissioning to
completed acceptance**

垃圾焚烧发电厂启动试运及验收规程 清晰版
(English Translation)

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009 "Guidelines for Standardization Work Part 1: Standard Structure and Compilation".

Please note that certain contents of this document may involve patents. The issuing agency of this document is not responsible for identifying these patents.

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1 Scope

This standard specifies the basic requirements for the start-up trial operation and the acceptance of each stage of the trial operation of waste incineration power plants.

This standard applies to all kinds of new construction, expansion and reconstruction of waste incineration power generation construction projects.

2 Normative references

The following documents are indispensable for the application of this document. For dated reference documents, only the dated version is suitable Used in this document. For undated references, the latest version (including all amendments) applies to this document.

GB 12348 Environmental Noise Emission Standard at the Boundary of Industrial Enterprises GB 14554 Emission Standard of Odor Pollutants GB 18485 Standard for pollution control of domestic waste incineration CJJ 90 Technical Specification for Municipal Solid Waste Incineration Treatment Engineering DL/T 5437 Start-up trial operation and acceptance regulations for thermal power generation construction projects HJ 2025 Technical specification for hazardous waste collection, storage and transportation

3 Term

The following terms and definitions apply to this document 3.1 Incineration line Equipment for incineration, heat exchange, flue gas purification, slag discharge and slag removal, fly ash collection and transportation, control and other equipment configured for waste incineration treatment and the general name of the facility.

Flue gas cleaning system A system composed of flue gas purification treatment facilities.

Leachate treatment system A system consisting of leachate treatment facilities.

Waste pretreatment

In the incineration process, the garbage is crushed, dried, and sorted to remove the incombustibles in the garbage and reduce the waste in the garbage.

The process of moisture content.

Fly ash

Solid substances discharged from the flue gas purification system.

Slag

The residue discharged from the slag outlet during the waste incineration process.

Commissioning of individual equipment and subsystem Dynamic inspection and trial operation of stand-alone equipment and systems.

Unit start-up and commissioning on the basis of the completion of the branch trial operation, commissioning, production, construction, and supervision units will participate in the whole set of equipment the process of initiating trial run to achieve trial production conditions.

Generator set (72 24) h full load trial operation After completing the whole set of start-up trial operation, the trial operation work done to check the overall performance of the production line should be completed by the start time of the commercial operation. When the single unit capacity of waste incineration generator set is below 100MW, full load trial operation shall be adopted.

4 General

4.1

The trial operation of the unit is a comprehensive inspection of the equipment manufacturing, design, construction, commissioning and production of the machine, electricity, furnace and its supporting systems an important part of management is to ensure the safety, environmental protection, stability, and economic input of system equipment, form production capacity, and give full play to Key procedures for environmental protection and investment benefits.

4.2

The trial operation of the unit should be divided into single unit trial operation, sub-system trial operation and other partial trial operation, no-load trial operation, load trial operation, and full operation.

The whole set of load trial run and other start trial run. The sub-system trial run and the entire set of start-up trial run should be undertaken by a unit with corresponding debugging capabilities and qualifications.

Burden.

4.3

For unit trial operation and stage acceptance work, a unit trial operation headquarters and a commissioning acceptance committee should be established. Trial operation of the unit and the handover and acceptance of each stage shall be carried out under the leadership of the trial operation headquarters. Preparations for the start-up trial operation of the unit, Special matters and transfer production conditions shall be reviewed and decided by the commissioning acceptance committee.

4.4

The commissioning and quality acceptance of the subdivision trial run and the entire set of start trial run shall comply with CJJ 90 and the relevant power construction engineering of the power industry.

Process debugging technical specifications and quality acceptance procedures.

4.5

Before the unit is handed over to production, the branch trial run and the entire set of start trial run should be completed, and the corresponding quality acceptance procedures should be completed. should Complete (72 24)h trial run according to the requirements of this regulation. After the unit is handed over to production, it shall go through the handover signing procedures.

4.6

The trial operation of the unit and the handover and acceptance at all stages shall comply with laws, regulations and mandatory standards, waste incineration and electricity the relevant standards of the power industry and the approval documents, design requirements, and effective contracts of this project.

4.7

Before starting the trial operation of the complete set of units, it shall be supervised and approved by the power construction quality supervision agency.

After the completion, the quality supervision and evaluation shall be carried out by the power construction quality supervision agency.

4.8

The units handed over to production shall be checked and accepted after completing the required test items, complying with the relevant regulations on grid connection and commercial operation and handling After the relevant procedures, it can be transferred to commercial operation.

4.9

The power construction quality supervision agency shall conduct on-site supervision and inspection, and the construction unit shall be responsible for organizing all relevant construction units to do for all preparations, relevant construction units should participate and cooperate.

4.10

The construction unit is responsible for organizing all preparations for unit acceptance, and the construction unit must prepare relevant materials and participate in and cooperate with the acceptance inspection.