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**Technical specifications for pollution treatment projects of
livestock and poultry farms
(English Translation)**

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Foreword

To implement the "Environmental Protection Law of the People's Republic of China", "Water Pollution Prevention and Control Law of the People's Republic of China" Pollution Prevention and Control Law, regulate the construction and operation of pollution control projects in livestock and poultry breeding, control waste and odor pollution in livestock and poultry breeding, improve the ring the quality of the environment, the development of this standard.

This standard is based on China's current pollutant discharge standards and pollution control technologies, and stipulates the design of pollution control projects for livestock and poultry breeding.

Technical requirements for metering, 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 (Water Pollution Control Committee), Tianjin Environmental Protection Science Research Institute, Beijing Environmental Protection Science Research Institute, Zhejiang Biogas Solar Energy Research Institute.

This standard was approved by the Ministry of Environmental Protection on September 30, 2009.

This standard has been implemented since December 1, 2009.

This standard is explained by the Ministry of Environmental Protection.

Technical specification for pollution control engineering of livestock and poultry breeding industry

1 Scope of application

This standard specifies the technical requirements for the design, construction, acceptance, operation and maintenance of intensive livestock and poultry farms (districts).

This standard applies to the construction, and acceptance of pollution control projects for the construction, reconstruction and expansion of intensive livestock and poultry farms (districts).

The whole process management of the bank and the operation management of the established pollution control project can be used as environmental impact assessment,

design, construction, environmental protection acceptance and the technical basis for 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 5084 Farmland Irrigation Water Quality Standard GB 7959 fecal harmless hygiene standard GB 8958 Safety Regulations for Hazardous Oxygen Operation GB 18596-2001 Pollutant discharge standards for livestock and poultry farming GB 18877 organic-inorganic compound fertilizer GB 50014-2006 Outdoor Drainage Design Code GB 50046 industrial building anti-corrosion design specification GB 50052 design specification for power distribution system GB 50054 Low Voltage Distribution Design Specification GB 50069 Water supply and drainage engineering structure design specification GB 50334 Urban Wastewater Treatment Plant Engineering Quality Acceptance Specification GB/T 18883 indoor air quality standard GB J 16 Building Design Fire Code GBZ 1 industrial enterprise design hygiene standard CJ/T 3059 Technical Evaluation Index for Municipal Domestic Waste Composting Plant CJJ 60-1994 Technical regulations for operation, maintenance and safety of urban sewage treatment plants CJJ 64-1995 Urban Manure Treatment Plant (Field) Design Specification CJJ/T 30 Urban Manure Treatment Plant Operation, Maintenance and Safety Technical Regulations CJJ/T 54 Design Code for Sewage Stabilization Pond CJJ/T 86 Urban Domestic Waste Composting Plant Operation, Maintenance and Safety Technical Regulations DB11/T 272-2005 Operational Management Specification for Domestic Waste Composting Plant HJ/T 81-2001 Technical Specifications for Pollution Prevention and Control of Livestock and Poultry Breeding HJ/T 353 Water Pollution Source Online Monitoring System Installation Technical Specification (Trial) HJ/T 354 Water Pollution Source Online Monitoring System Acceptance Technical Specification (Trial) Technical Specifications for Operation and Assessment of HJ/T 355 Water Pollution Source Online Monitoring System (Trial) NY 525 Organic Fertilizer NY/T 1167 Livestock and Poultry Farm Environmental Quality and Sanitation Control Code NY/T 1168-2006 Technical Specification for Harmless Treatment of Livestock and Poultry Manure NY/T 1222-2006 Large-scale livestock and poultry farm biogas engineering design specification NY/T 1220.3 Technical Specifications for Biogas Engineering - Part 3. Construction and Acceptance NY/T 1221-2006 Large-scale livestock and poultry farm biogas project operation, maintenance and safety technical regulations Technical Specifications for the Treatment of Highly Pathogenic Avian Influenza Epidemic Situation (Trial) (Nongzheng Fa [2004] No. 1) "Measures for Completion and Acceptance of Construction Projects (Engineering)" (Project Construction [1990] No. 1215) Measures for the Administration of Environmental Protection Acceptance for Completion of Construction Projects (Order No. 13 of the State Environmental Protection Administration)

3 Terms and definitions

The following terms and definitions apply to this standard.

3.1 Intensive livestock and poultry farms

Refers to the production of more production materials and labor in smaller sites, the use of new processes and technical measures, carefully managed livestock and poultry Farm. (GB 18596-2001) this standard refers to pig farms with more than 300 stocks, dairy farms with more than 50 heads, beef farms with more than 100 heads, and more than 4,000 feathers.

Chicken farms, duck farms over 2,000 pigeons or goose farms.

3.2 Intensive livestock and poultry park (including intensive farming community)

Refers to a certain distance from the residential area, and the area where the individual livestock and poultry breeding individual is determined by the administrative division. (GB 18596-2001)

3.3 Fecal residue and waste water

Refers to the general term for wastewater and solid manure produced by livestock and poultry farms.

3.4 Waste water for livestock and poultry farming

Refers to the urine produced by livestock and poultry farms, all feces or residual feces and feed residues, flushing water and workers' lives, and the production process the general term for raw wastewater, in which flushing water accounts for the majority.

3.5 Dry and dung process Dry collection

The manure discharged from livestock and poultry is collected or removed mechanically or manually, and urine, residual manure and flushing water are discharged from the sewage channel.

The method of clearing the dung.

3.6 Manure cleaning by rinsing

The manure, urine and sewage discharged from livestock and poultry are mixed into the manure ditch, and the water is flushed several times a day. The manure water flows into the manure main ditch and drains.

Decontamination process.