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

HJ 2030-2013

**Technical specifications for monosodium glutamate industry
wastewater treatment
(English Translation)**

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Foreword

To implement the Law of the People's Republic of China on Water Pollution Prevention and Control, and regulate the construction and operation management of the MSG industrial

wastewater treatment project, this standard is formulated to prevent environmental pollution, protect the environment and human health.

This standard specifies the technical requirements for the design, construction, acceptance, operation and maintenance of the MSG industrial wastewater treatment engineering system.

This standard is a guidance document.

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 Science Society, Beijing Technology and Business University, Shandong Shifang Environmental Energy Co., Ltd.

Henan Lianhua MSG Co., Ltd.

This standard was approved by the Ministry of Environmental Protection on March 29, 2013.

This standard has been implemented since July 1, 2013.

This standard is explained by the Ministry of Environmental Protection.

MSG industrial wastewater treatment engineering technical specification

1 Scope of application

This standard specifies the technical requirements for the design, construction, acceptance and operation of MSG industrial wastewater treatment engineering.

This standard applies to the MSG industrial wastewater treatment project, and can be used as an environmental impact assessment and environmental protection facility for the MSG industrial construction project.

Technical basis for design, construction, project completion environmental protection acceptance and 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 3096 Acoustic Environmental Quality Standard GB 4284 Contaminant control standard for agricultural sludge GB 12348 Environmental noise emission standards for industrial enterprises General rules for safety and health requirements of GB 12801 production process GB 14554 Odor Pollutant Discharge Standard GB 18599 General industrial solid

waste storage and disposal site pollution control standards GB 19431 MSG industrial pollutant discharge standard GB 50009 Building Structure Load Specification 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 50033 Architectural lighting design standard 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 50093 automation instrument engineering construction and acceptance specification GB 50108 Underground Engineering Waterproof Technical Specifications GB 50168 Electrical installation engineering cable line construction and acceptance specifications GB 50169 Electrical installation engineering grounding device construction and acceptance specifications GB 50187 General Plan for Design of Industrial Enterprises GB 50191 seismic design code for structures GB 50194 Construction site safety requirements for construction and supply of electricity GB 50204 Concrete Structure Engineering Construction Quality Acceptance Specification GB 50208 Underground Waterproof Engineering Quality Acceptance 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 50243 Ventilation and air conditioning engineering quality acceptance specification GB 50254 Electrical installation engineering low-voltage electrical construction and acceptance specifications GB 50257 Electrical installation engineering explosion and fire hazard environment electrical 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 50303 Building electrical engineering construction quality acceptance specification GB 50334 Urban Wastewater Treatment Plant Engineering Quality Acceptance Specification GB J 87 Industrial Enterprise Noise Control Design Specification GB J 141 Code for construction and acceptance of water supply and drainage structures GB/T 15562.1 Environmental protection graphic mark discharge port (source) GB/T 18920 Urban Wastewater Recycling Urban Miscellaneous Water Quality GB/T.19923 Urban sewage recycling industrial water quality GB/T 50335 Wastewater Recycling Engineering Design Specification Design code for CECS 97 blast aeration system Design code for CECS 111 sewage activated sludge treatment in cold regions Construction and acceptance procedures for CECS 162 water supply and drainage instrument automation control engineering CJJ 60 Urban Wastewater Treatment Plant Operation, Maintenance and Safety Technical Regulations HJ/T 15 Environmental Protection Product Technical Requirements Ultrasonic Open Channel Sewage Flowmeter HJ/T 91 Surface Water and Wastewater Monitoring Technical Specifications HJ/T 92 Water pollution discharge total monitoring technical specification HJ/T 96 pH water quality automatic analyzer technical requirements HJ/T 101 Ammonia Nitrogen Water Quality Analyzer Technical Requirements HJ/T 212

pollution source online automatic monitoring (monitoring) system data transmission
 standard HJ/T 242 environmental protection product technical requirements belt press filter
 for sludge dewatering HJ/T 251 environmental protection product technical requirements
 Roots blower HJ/T 252 environmental protection product technical requirements,
 microporous aerator HJ/T 262 environmental protection product technical requirements
 grille decontamination machine HJ/T 265 environmental protection product technical
 requirements scraper HJ/T 266 environmental protection product technical requirements
 suction machine HJ/T 278 environmental protection product technical requirements
 single-stage high-speed aeration centrifugal blower HJ/T 279 Environmental Protection
 Products Technical Requirements Diving Pushing Mixer HJ/T 283 environmental protection
 product technical requirements chamber filter press and plate and frame filter press HJ/T
 335 environmental protection product technical requirements sludge concentration belt
 dewatering machine HJ/T 336 Environmental Protection Product Technical Requirements
 Submersible Sewage Pump HJ/T 354 Environmental Protection Products Technical
 Requirements Water Pollution Source Online Monitoring System Acceptance Technical
 Specification (Trial) HJ/T 355 Technical Requirements for Environmental Protection
 Products Technical Specifications for Operation and Assessment of Online Monitoring
 System for Water Pollution Sources (Trial) HJ/T 369 Environmental Protection Product
 Technical Requirements Dosing Device for Water Treatment HJ/T 377 Environmental
 Protection Products Technical Requirements Chemical Oxygen Demand (CODCr) Water
 Quality Online Automatic Monitor HJ 444 Cleaner Production Standard MSG Industry HJ
 576 Anaerobic-anoxic-aerobic activated sludge process 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 579 Membrane Separation Wastewater
 Treatment Engineering Technical Specification HJ .2006 Technical Specifications for
 Sewage Coagulation and Flocculation Treatment Engineering HJ .2008 sewage filtration
 treatment engineering technical specification HJ .2009 Biological Contact Oxidation
 Wastewater Treatment Engineering Technical Specification HJ .2013 Upflow Anaerobic
 Sludge Bed Reactor Wastewater Treatment Engineering Technical Specification NY/T
 1220.2 Technical Specifications for Biogas Engineering Part II. Gas Supply Design NY/T
 1222 Large-scale livestock and poultry farm biogas engineering design specification
 "Construction and Acceptance Measures for Construction Projects (Engineering)",
 Construction [1990] No. 1215 Measures for the Administration of Environmental Protection
 Acceptance for Completion of Construction Projects.2001 Order No. 13 of the State
 Environmental Protection Administration "Administrative Measures for Automatic Monitoring
 of Pollution Sources".2005 State Environmental Protection Administration Order No. 28
 Regulations on the Safety Management of Dangerous Chemicals, State Council Order No.
 591, 2011 Technical Requirements for Standardized Remediation of Sewage Discharges
 (Trial) Environmental Supervision [1996] No. 470