

HJ

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

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Self-monitoring technology guidelines for pollution sources - Farm and sideline food processing industry (English Translation)

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li preface

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" National Air Pollution Prevention and Control Law, "Measures for the Administration of Pollution Discharge Permits (Trial)", guide and standardize the pollutant discharge units of agricultural and sideline food processing industries Monitor work and develop this standard.

This standard proposes the general requirements for self-monitoring of pollutant discharge units in agricultural and sideline food processing industries, the development of monitoring plans, and information recording.

And the basic content and requirements of the report.

This standard is the first release.

This standard was proposed and organized by the Ministry of Ecology and Environment.

This standard is mainly drafted by. China Environmental Monitoring Center, Beijing Environmental Protection Monitoring Center, China Light Industry Cleaning Production center.

This standard is approved by the Ministry of Ecology and Environment on December 4,

2018.

This standard has been implemented since March 1, 2019.

This standard is explained by the Ministry of Ecology and Environment.

1 Sewage unit self-monitoring technical guide agricultural and sideline food processing industry

1 Scope of application this standard proposes the general requirements for self-monitoring of pollutant discharge units in agricultural and sideline food processing industries, the development of monitoring plans, and information recording.

And the basic content and requirements of the report.

This standard is applicable to the sewage disposal unit of the agricultural and sideline food processing industry during the production operation phase or during the period of no production but emission.

Monitoring of water, gas pollutants, noise and the impact on the surrounding environment.

The self-monitoring requirements for self-contained thermal power generating units (plants) and supporting power boilers shall be in accordance with the self-monitoring technology of the sewage disposal unit.

South Thermal Power Generation and Boiler (HJ 820) is implemented.

2 Normative references the contents of this standard refer to the following documents or their terms. For undated references, the valid version is appropriate.

Used in this standard.

GB 13457 Water pollutant discharge standard for meat processing industry GB 21901 Down Industrial Water Pollutant Emission Standard GB 21909 Water pollutant discharge standard for sugar industry GB 25461 starch industry water pollutant discharge standard HJ/T 2.3 Technical Guidelines for Environmental Impact Assessment Surface Water Environment HJ/T 91 Surface Water and Wastewater Monitoring Technical Specifications HJ 442 Code for Environmental Monitoring of Coastal Waters HJ 819 General Guidelines for Self-Monitoring Technical Units of Sewage Units HJ 820 sewage unit self-monitoring technical guide thermal power generation and boiler National Directory of Hazardous Wastes (Ministry of Environmental Protection No. 39)

3 Terms and definitions GB 13457, GB 21901, GB 21909, GB 25461 and the following terms and definitions apply to this standard.

Farm and sideline food processing industry Refers to grain grinding, feed processing, vegetable oil and sugar processing directly using agricultural, forestry, animal husbandry and fishery products as raw materials.

Slaughter and meat processing, of aquatic products, and processing of foods such as vegetables, fruits and nuts.

Direct discharge

2 refers to the behavior of the pollutant discharge unit directly discharging water pollutants to the water body.

Indirect discharge

Refers to the behavior of sewage units discharging water pollutants to public sewage treatment systems.

4 General requirements for self-monitoring the pollutant discharge unit shall check the pollution source, pollutant index and potential environmental impact of the unit, formulate a monitoring plan, and set up and maintenance monitoring facilities, carry out self-monitoring according to the monitoring plan, do quality assurance and quality control, record and save monitoring Data and related information, publicly monitor the results to the public according to law.

5 Monitoring plan development

5.1 Wastewater discharge monitoring

5.1.1 Monitoring points all agricultural and sideline food processing industry sewage discharge units that discharge wastewater should set monitoring points at the total discharge port of the wastewater and the discharge port of the rainwater.

In order to separate the domestic sewage into the water body, it is necessary to set a monitoring point at the domestic sewage discharge port.

5.1.2 Monitoring indicators and monitoring frequency the monitoring points, monitoring indicators and minimum monitoring frequency of wastewater discharge units shall be implemented in accordance with Table 1.

Table 1 Wastewater discharge monitoring points, monitoring indicators and minimum monitoring frequency

Sewage list

Bit level

monitor

Point

Monitoring indicator Frequency of monitoring Remarks Direct emission indirect emissions Focus row Soil unit Waste water Total row Gap Flow, pH, chemistry Oxygen demand, ammonia nitrogen Automatic monitoring and automatic monitoring Suitable for all agricultural and sideline food processing Sewage unit Total phosphorus month (automatic

monitoring a) quarter (automatic monitoring a) Total nitrogen Month (day/automatic supervision Test b) Quarter (day/automatic supervision Test b) Suspended matter, five-day biochemistry oxygen demand Month quarter Total cyanide monthly quarter Suitable for starch based on cassava and sewage unit manufactured by starch products Animal and vegetable oil quarter Suitable for vegetable oil processing, slaughtering and meat Processing, feed processing (animal origin) Feed), aquatic product processing, soy products Production and other production processes involving plants and animals Oil discharge unit Coliform colony for several months Suitable for slaughtering and meat processing and sewage unit Anionic surfactant monthly quarter Suitable for slaughtering with down cleaning and meat processing and sewage disposal units. Other students Anionic surface activity Discharge unit selection Chromatic month quarter all agricultural and sideline food processing sewage orders Bit selection Full salt monthly quarter Starch and starch product manufacturing Powder), aquatic product processing, vegetable fungi Fruit and nut processing (salted, etc.), etc.

3 sewage bills

Bit level

monitor

Point

Monitoring indicator Frequency of monitoring Remarks Direct emission indirect emissions Sewage unit selection test Fecal coliforms for several months -Sugar industry (begins as raw materials), butcher Slaughtering meat processing, egg processing, etc.

The production process involves the discharge of fecal coliforms Sewage unit selection test Total residual chlorine month -During production or wastewater treatment Use chlorine-containing substances and drain the environment Sewage unit selection test life Sewage emission Flow, pH, chemistry Oxygen demand, ammonia nitrogen Automatic monitoring -Suitable for all agricultural and sideline food processing Sewage unit Total phosphorus month (automatic monitoring a) Total nitrogen Month (day/automatic supervision Test b) Suspended matter, five-day biochemistry oxygen demand month-Animal and vegetable oil month -Applicable to sewage orders with staff canteens rainwater emission Chemical oxygen demand, suspension Day c Suitable for all agricultural and sideline food processing Sewage unit Non-focused Sewage list Waste water Total row Gap Flow, pH, chemistry Oxygen demand, ammonia nitrogen, total Nitrogen, total phosphorus, suspended solids, Five-day biochemical oxygen demand Quarterly half year Suitable for all agricultural and sideline food processing Sewage unit Total cyanide, plants and animals Oil, coliform, Anionic surfactant Quarterly half year According to industry type and raw material process Monitoring indicators, with key pollutant discharge units Chroma, total salt, feces Number of coliforms, total Half a year -According to industry type and raw material process Selecting indicators, with key pollutant discharge units life Sewage emission Flow, pH,