

HJ

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

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Self-monitoring technology guidelines for pollution sources - Electronics industry

排污单位自行监测技术指南 电子工业

(English Translation)

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Table of Contents

Foreword
1 Scope
2 Normative references
3 Terms and Definitions
4 General requirements for self-monitoring
5 Monitoring plan formulation
6 Information recording and reporting
7 Other

1 Scope of application

This standard specifies the general requirements for self-monitoring, the formulation of monitoring plans, and the basic contents of information recording and reporting for pollutant discharge units in the electronic industry.

and requirements.

This standard is applicable to the water and air pollutants, noise and the quality of the surrounding environment discharged by the electronic industry pollutant discharge units during the production and operation stage.

Carry out self-monitoring of quantitative impact.

Among the pollutant discharge units of the electronic industry, the self-monitoring requirements for self-provided thermal power generating units (factories) and supporting power boilers shall be implemented in accordance with HJ 820.

2 Normative references

This standard refers to the following documents or clauses thereof. For dated references, only the dated version applies to this standard.

For undated references, the latest edition (including all amendments) applies to this standard.

GB/T 4754-2017 National Economic Industry Classification GB/T 14848 Groundwater Quality Standard GB 36600 Soil Environmental Quality Construction Land Soil Pollution Risk Control Standard (Trial) GB 39731 Electronic Industry Water Pollutant Discharge Standard HJ 164 Technical Specification for Groundwater Environmental Monitoring HJ/T

166 Technical Specification for Soil Environment Monitoring HJ 610 Environmental Impact Assessment Technical Guidelines Groundwater Environment HJ 819 General Principles of Technical Guidelines for Self-Monitoring of Pollutants HJ 820 Technical Guide for Self-Monitoring of Pollutant Emission Units Thermal Power Generation and Boiler HJ 964 Environmental Impact Assessment Technical Guidelines Soil Environment (Trial) HJ 1031 Technical Specifications for Application and Issuance of Pollutant Discharge Permit Electronic Industry HJ 1200 Technical Specification for Pollution Discharge Permit Application and Issuance Industrial Solid Waste (Trial) "National Hazardous Waste List" "List of Fixed Pollution Source Pollutant Discharge Permit Classification Management"

3 Terms and Definitions

The terms and definitions defined in GB 39731 and the following apply to this standard.

electronics industry Engaged in computer manufacturing (C 391), electronic device manufacturing (C 397), electronic components and electronic specialties specified in GB/T 4754-2017 Manufacture of materials (C 398), manufacturing of other electronic equipment (C 399).

computer manufacturing Computer complete machine, computer parts, computer peripheral equipment, industrial control computer and system, information security equipment and other computer equipment manufacture of computers.

electronic device manufacturing Electronic vacuum devices, semiconductor discrete devices, integrated circuits, display devices, semiconductor lighting devices, optoelectronic devices and other electrical Manufacture of sub-devices.

electronic component manufacturing Manufacture of resistance, capacitance and inductance components, electronic circuits, sensitive components and sensors, electroacoustic devices and parts, and other electronic components.

special electronic material manufacturing Manufacture of special electronic functional materials, interconnection and packaging materials, processes and auxiliary materials for the preparation of electronic components, assemblies and systems.

other electronic terminal manufacturing Manufacture of electronic (gas) physical equipment and other electronic equipment not specified.

volatile organic compounds (VOCs) Organic compounds participating in atmospheric photochemical reactions, or organic compounds determined according to relevant regulations.

This standard uses non-methane total hydrocarbons as the characterization index of volatile organic compound emissions.

nonmethane hydrocarbons (NMHC) the sum of gaseous organic compounds other than

methane for which the hydrogen flame ionization detector responds, using the specified monitoring method, as carbon mass concentration meter.

4 General requirements for self-monitoring

The pollutant discharging unit should find out the pollution source, pollutant index and potential environmental impact of the unit, formulate a monitoring plan, set up and maintain monitoring facilities, carry out self-monitoring in accordance with the monitoring plan, do a good job in quality assurance and quality control, record and save monitoring information, and disclose it to the public in accordance with the law Monitoring results.

5.1 Wastewater discharge monitoring

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

6.1.1 Monitoring information record

Manual monitoring records and automatic monitoring operation and maintenance records are implemented in accordance with HJ 819. The authenticity and accuracy of the automatic monitoring data by the sewage unit Responsible for the abnormal data transmission should be reported in a timely manner, and implemented in accordance with national standards or automatic monitoring data abnormality marking rules.

6.1.2.1 General provisions

The pollutant discharging unit shall record the operation status of production and pollution control facilities in detail, and shall also refer to 6.1.2.2~6.1.2.5 and HJ 1031 in daily production Record relevant information and organize it into a ledger for future reference.

6.1.2.2 Production Health Record

According to the classification of process production units and production lines, and according to the specific conditions of each pollutant discharge unit, select and record the following relevant information.

- a) The amount of raw and auxiliary materials, mainly including the amount of raw materials, the amount of various coatings, the amount of various solvents, the amount of adsorbents, and the amount of other auxiliary materials Wait;
- b) Product output, record the product output of each process and other key indicators by production unit;
- c) Fresh water intake, water consumption, electricity consumption, fuel consumption, etc.;

d) Operation and use records of main production equipment and facilities, etc.

6.1.2.3 Records of the operation status of wastewater pollution control facilities

Record the amount of sewage treatment, the amount of return water, the amount of sewage discharged, the amount of sludge produced and the moisture content, and the name of the chemicals used in sewage treatment by shift Record the operation, failure and maintenance of sewage treatment facilities.

6.1.2.4 Records of operating status of waste gas pollution control facilities

Record the names and quantities of consumables such as adsorbents and filter materials used in waste gas treatment according to the replacement batches, and record the operating parameters of waste gas treatment facilities.

number, faults and maintenance.

6.1.2.5 Operation status record of noise pollution control facilities

Record the daily inspection, failure and maintenance or replacement of noise pollution control facilities.

6.1.3 Industrial Solid Waste Records

Record the relevant information of industrial solid waste according to HJ 1200, see Table 5 for the generation of solid waste. Hazardous waste that may be generated by According to the "National List of Hazardous Wastes" or the identification standards and identification methods of hazardous wastes.