

HJ

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Self-monitoring technology guidelines for pollution sources - Inorganic chemical industry

排污单位自行监测技术指南 无机化学工业

(English Translation)

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Foreword

To implement the Environmental Protection Law of the People's Republic of China, the Water Pollution Prevention Law of the People's Republic of China, and the People's Republic of China National Air Pollution Prevention and Control Law, "Pollution Permit Management Measures (for Trial Implementation)", to guide and regulate the Monitoring work and formulating this standard.

This standard puts forward the general requirements for the self-monitoring of pollutant discharge units in the inorganic chemical industry, the formulation of monitoring plans, information recording and the basic content and requirements of the report.

This standard is issued for the first time.

This standard was proposed and formulated by the Department of Ecological Environment Monitoring and the Department of Regulations and Standards of the Ministry of Ecology and Environment.

The main drafting organization of this standard. Harbin Ecological Environment Monitoring Center of Heilongjiang Province.

This standard was approved by the Ministry of Ecology and Environment on November 10, 2020.

This standard shall be implemented from January 1, 2021.

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

Technical Guidelines for Self-monitoring of Pollutant Discharge Units Inorganic Chemical Industry

1 Scope of application

This standard puts forward the general requirements for the self-monitoring of pollutant discharge units in the inorganic chemical industry, the formulation of monitoring plans, information recording and the basic content and requirements of the report.

This standard is applicable to the water and air pollutants and noise emitted by the inorganic chemical industry pollutants during the production and operation stage.

And carry out self-monitoring of the impact on the surrounding environmental quality. The inorganic chemical industry specifically includes. "Classification of National Economic Industries" (GB/T 4754) Inorganic acid manufacturing 2611, inorganic base manufacturing 2612, inorganic salt manufacturing 2613 and other basic chemical principles Material manufacturing 2619 Inorganic chemical industry product manufacturing. Other chemical production units that use the above substances as by-products the monitoring of pollutants discharged does not apply to this standard, and the technical guidelines for self-monitoring of pollutants in the corresponding industry shall be implemented; the production of biological hydrogen Inorganic chemical industry sewage bills such as gas, general gas (except electrolysis hydrogen), rare gas, liquid air and compressed air the monitoring of pollutants discharged by pollutants shall be carried out in accordance with the General Rules of Technical Guidelines for Self-monitoring of Pollutant Dischargers (HJ 819).

The self-monitoring requirements of self-provided thermal power generating units (factories) and supporting power boilers shall be in accordance with the "Self-monitoring Technology of Pollutant Discharge Units" "Guidelines for Thermal Power Generation and Boilers" (HJ 820) were implemented.

2 Normative references

The content of this standard refers to the following documents or their clauses. For undated reference documents, the effective version is applicable to this standard.

GB 5085 Identification Standard for Hazardous Waste GB 8978 Integrated Wastewater Discharge Standard GB 12348 Environmental Noise Emission Standard at the Boundary of Industrial Enterprises GB 15581 Pollutant discharge standard for caustic soda and polyvinyl chloride industry GB 16297 Comprehensive Emission Standard of Air Pollutants GB 18484 pollution control standard for hazardous waste incineration GB 26131 Pollutant Emission Standard for Nitric Acid Industry GB 26132 Pollutant Emission Standard for Sulfuric Acid Industry GB 31573 Inorganic Chemical Industry Pollutant Discharge Standard GB/T 4754 Classification of National Economic Industries HJ 2.3 Technical Guidelines for Environmental Impact Assessment Surface Water Environment HJ 91.1 Technical Specification for Wastewater Monitoring HJ/T 164 Technical Specification for Groundwater Environmental Monitoring HJ/T 166 Technical Specification for Soil Environmental

Monitoring HJ 442 Environmental Monitoring Specification for Coastal Waters HJ 610
Technical Guidelines for Environmental Impact Assessment Groundwater Environment HJ
819 General Rules of Technical Guidelines for Self-monitoring of Pollutant Discharge Unit
HJ 820 Technical Guide for Self-monitoring of Sewage Discharge Units Thermal Power and
Boilers HJ 1035 Pollutant Discharge Permit Application and Issuance Technical
Specification Inorganic Chemical Industry "National Hazardous Waste List"

3 Terms and definitions

The following terms and definitions defined in GB 15581, GB 26131, GB 26132, and GB 31573 apply to this standard.

Inorganic chemical industry pollutant emission unit Refers to the production of inorganic acids, inorganic bases, inorganic salts, and other basic chemicals using natural resources, industrial products, and industrial by-products as raw materials Industrial pollutant discharge units of inorganic chemical products such as raw materials.

Rainwater outlet

Refers to the discharge outlets that discharge natural precipitation directly or through ditch, canal or pipeline facilities outside the plant boundary.

4 General requirements for self-monitoring

The pollutant discharge unit shall find out its pollution sources, pollutant indicators and potential environmental impacts, formulate monitoring plans, and set 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 Data, the monitoring results are disclosed to the public in accordance with the law.

5.1.1 Monitoring points

Inorganic chemical industry pollutants must set up monitoring points at the total waste water discharge outlet and rainwater discharge outlet, and domestic sewage shall be discharged separately.

Those who enter the water body shall set up monitoring points at the domestic sewage discharge outlets. Emissions of total arsenic, total mercury, total cadmium, total lead, hexavalent chromium, total Chromium, total nickel, total thallium, total manganese, total barium, total strontium, total cobalt, total molybdenum, total tin, total antimony, total silver, chloride, active chlorine If the waste water discharge outlet of the workshop or workshop treatment facility is required, a monitoring point must also be set up.

5.1.2 Monitoring indicators and frequency

The monitoring points, monitoring indicators, and minimum monitoring frequency of wastewater discharge from the inorganic chemical industry pollutants are implemented in accordance with Table 1.

5.2.1 Organized monitoring points, indicators and frequency of exhaust emissions

5.2.1.1

Organized waste gas emission monitoring points, monitoring indicators and minimum monitoring points of each pollution production link of the inorganic chemical industry the frequency of measurement is performed according to Table 2.

5.2.1.2

For multiple pollution sources or production equipment sharing one exhaust tube, the monitoring point can be arranged in the shared exhaust tube on. When the exhaust gas with different emission control requirements is combined with the exhaust gas cylinder, it should be monitored before the exhaust gas is mixed;

The points can only be arranged on the mixed exhaust pipe, and the monitoring indicators should cover the monitoring indicators of the corresponding pollution source or production equipment.

The minimum monitoring frequency shall be strictly implemented.

5.2.2 Monitoring points, indicators and frequency of unorganized exhaust emissions

The monitoring points, monitoring indicators, and minimum monitoring frequency of unorganized waste gas emissions of the inorganic chemical industry pollutants are implemented in accordance with Table 3.

5.3 Environmental noise monitoring at the plant boundary

The setting of environmental noise monitoring points at the plant boundary should follow the principles in HJ 819, mainly considering the distribution of noise sources in the plant area in Table 4.

The cloth situation and the location of surrounding sensitive points.

The environmental noise of the factory boundary shall be monitored at least once every quarter.

The next day and night monitoring, the monitoring index is equivalent continuous A sound level. If there are sensitive spots around, the monitoring frequency should be increased.