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

HJ 881-2017

**Self-monitoring technology guidelines for pollution sources.
Pharmaceutical industry extraction products category**

排污单位自行监测技术指南 提取类制药工业

(English Translation)

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1 Scope

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li Foreword

To implement the "Law of the People's Republic of China on Environmental Protection" "Water Pollution Prevention and Control Law of the People's Republic of China" "People's Republic of China Law of the People's Republic of China on Prevention and Control of Atmospheric Pollution" to guide and standardize the self-monitoring of the sewage collection units in the pharmaceutical industry and formulate this standard.

This standard proposes the extraction of the pharmaceutical industry, the general requirements of self-monitoring of sewage disposal units, monitoring program development, information recording and the basic content and requirements of the report.

This standard is released for the first time.

This standard by the Environmental Protection Department of Environmental Monitoring Division, Science and Technology Standards Division proposed and organized.

65.5 Other requirements

5.5.1 In addition to the indicators of pollutants in Tables 1 to 3 and Table 5, the indicators of pollutants in 5.5.1.1 and 5.5.1.2 should also be included in the monitoring Indicator range, and with reference to Table 1 ~ Table 3, Table 5 and HJ 819 to determine the monitoring frequency.

5.5.1.1 Permits for discharge, standards for pollutant discharge (control), environmental impact assessment documents and their approval (only Limited to January 1, 2015 (inclusive) after the approval of environmental impact assessment of the sewage unit), the relevant provisions of environmental management to be clear Seeking indicators of pollutants.

5.5.1.2 sewage units according to the production process of raw materials, production processes, intermediate and final product type, the monitoring results indeed the actual discharge of pollutants in the list of toxic and hazardous pollutants or priority control of pollutants indicators, or other toxic pollutants index.

5.5.2 The monitoring frequency of each index can meet the requirements of this standard and can be improved according to the principle of determining monitoring frequency in HJ 819 Monitoring frequency.

5.5.3 involved in chemical synthesis, fermentation and extraction of two or more types of industrial units of the sewage, monitoring programs should be covered all monitoring indicators for the type of industry involved are monitored with strict frequency of implementation.

5.5.4 Sampling methods, monitoring and analysis methods, monitoring of quality assurance and quality control in accordance with the relevant requirements of HJ 819 implementation.

5.5.5 Description of the monitoring program, change in accordance with HJ 819 regulations.

6 Information Recording and Reporting

6.1 Information Recording

6.1.1 Monitoring information record Manual monitoring records and automatic monitoring of maintenance records in accordance with HJ 819 regulations.

6.1.2 Production and pollution control facilities health information records the pollutant discharge unit shall record in detail the operation status of its production and pollution control facilities and record the following in daily production Related information, and organize into account for future reference.

6.1.2.1 Production health records According to the drug production batch records the following relevant information.

a) raw material selection and pretreatment, cleaning, crushing Production process. record water intake (fresh water), the main raw materials (people Body, plant, animal, marine life) usage, etc .;

b) extraction process. record the amount of solvent usage and crude drug production;

c) Refining process. record the amount of activated carbon, fiber filter, resin and other filters

and carriers, inorganic salts (sodium chloride, Ammonium sulfate, magnesium sulfate, sodium sulfate, sodium phosphate, etc.), solvents (hydrochloric acid, ethanol, acetone, trichloromethane, Methane, ethyl acetate, etc.) usage and so on.

6.1.2.2 Solvent Recovery Operating Record According to the production batch record of each product name of the solvent, the amount recovered, the amount of replenishment, as well as solvent recovery equipment energy, supplies use Volume and so on.

76.1.2.3 Records of the operation of sewage treatment facilities

Daily record of sewage treatment capacity, emissions, back to the amount of water, reuse, sludge production (record moisture content), sewage the name and amount of medicament used, the amount of air blower and so on; record the operation, failure and maintenance of sewage treatment facilities.

6.1.2.4 Exhaust gas treatment facility health records Record the name and amount of consumables, such as the adsorbent and filter material used for exhaust gas treatment on a daily basis, record the exhaust gas treatment facilities Line parameters, fault and maintenance conditions.

6.1.3 General Industrial Solid Waste and Hazardous Waste Information Records According to the daily record of general industrial solid waste production, comprehensive utilization, disposal capacity, storage; according to the hazardous waste pipe According to the relevant requirements, the daily record of hazardous waste production, comprehensive utilization, disposal capacity, storage and its specific whereabouts.

The situation of raw materials or other hazardous wastes generated in auxiliary processes should also be recorded. General industrial solid waste and hazardous waste generation the situation is shown in Table 6.

Table 6 Sources of General Industrial Solid Waste and Hazardous Waste

The main type of source name General industrial solid waste Raw material selection, pretreatment, crushing, cleaning Process Sundries in raw materials, waste packaging materials, spoiled animals or the sea Biological cadaver, connective tissue or adipose tissue removed from animal tissue Weaving and so on Hazardous Waste Extraction, refining, organic solvent recovery, waste Gas treatment process Residual liquid, waste filter (filter) and other adsorption filter and carrier, Bacteria waste, waste drugs, waste reagents, waste catalyst, waste residue Note. Sludge of sewage treatment facilities (stations) and other hazardous wastes that may be produced shall be disposed in accordance with the "National Catalog of Hazardous Wastes" or the hazardous wastes stipulated by the state Identification criteria and identification methods identified.

6.2 Information Report, Emergency Report, Information Disclosure Information report, emergency report and information disclosure in accordance with HJ 819 regulations.

7 others

The pollutant discharging entity shall faithfully record the working conditions during the manual monitoring (including the production load and the operation of pollution control facilities, etc.) Ensure monitoring data is representative.

This standard specifies the content, the other content in accordance with HJ 819 regulations.