

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

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**Development guideline for guidelines on available techniques
of pollution prevention and control
(English Translation)**

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Foreword

In order 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 air pollution Prevention and Control Law "and implement the" Notice of the General Office of the State Council on Printing and Distributing the Implementation Plan of the Control System of Permits for the Release of Pollutants "(Guo Ban Fa [2016] 81), Establish and improve a viable technical system based on national pollutant discharge standards, promote upgrading and remediation of pollution prevention and control measures by enterprises and institutions Technical progress, standardize pollution prevention and control of viable technical guidelines prepared, the development of this standard.

This standard specifies the guidelines for the preparation of feasible technical guidelines for pollution prevention, structure, compilation methods and format.

This standard is released for the first time.

This standard is formulated by the Ministry of Environmental Protection Science and Technology Standards Division.

This standard drafting units. Tsinghua University, Environmental Protection Institute of Environmental Standards.

This standard MEP approved on January 11, 2018.

This standard since March 1, 2018 into effect.

This standard is interpreted by the MEP.

Guidance on guidelines for feasible techniques for pollution prevention and control

1 Scope of application

This standard specifies the guidelines for the preparation of feasible technical guidelines for pollution prevention, structure, compilation methods and format.

This standard applies to guide the preparation of feasible guidelines for pollution prevention and control.

2 Normative references

This standard references the following documents in the terms. For undated references, the effective version applies to this standard.

GB/T 7714 Information and Documentation References Bibliographic rules HJ 565 environmental protection standards preparation and publication of technical guidance Measures for the Administration of Revision of National Environmental Protection Standards (National Central Science and Technology [2017] No.1)

3.1 Pollution prevention techniques pollution prevention techniques

To reduce pollutant emissions, technologies that avoid or reduce the generation of pollutants are used in the production process.

3.2 Pollution control techniques pollution control techniques

After the pollutants have been produced, treatment techniques used to eliminate or reduce the environmental impact.

3.3 Environmental Management Measures environmental management measurement

Enterprises and institutions, in order to achieve effective prevention and control of pollutants and management methods and measures taken.

3.4 pollution prevention and control feasible techniques available techniques of pollution prevention and control According to the environmental requirements and economic level of our country during a certain period of time, we should comprehensively adopt pollution prevention technologies in the process of pollution prevention and control, Pollution control technology and environmental management measures to make the discharge of pollutants stable reach the national pollutant discharge standards, the scale of the application of

technology.

3.5 pollution control advanced feasible techniques advanced available techniques of pollution prevention and control at least one major pollutant in viable technologies for pollution prevention and control will be stabilized at a level below 70% of the national pollutant discharge standard limit.

4 Principles of preparation

4.1

Guidelines for feasible technologies for prevention and control of pollution (referred to as the guidelines) should be linked with the "Classified Management List of Permits for the Discharge of Fixed Pollution Sources" the "Guideline on Feasibility of Industrial Pollution Prevention and Control" and supplemented by the "Guideline of Feasible Practices for Prevention and Control of Pollution Caused by General Processes". Inside the guide Content formats and text elements should comply with the provisions of Appendix A.

4.2

Different Industries According to the classification of industry guidelines, for sub-sectors that contain multiple sub-sectors can also prepare separate guidelines.

The preparation of guidelines shall be implemented in accordance with the "Measures for the Administration of Revision of National Environmental Protection Standards", and the format of guidelines shall conform to the requirements of HJ 565.

4.3

pollution prevention and control guidelines for the preparation of working procedures, see Appendix B, in principle, no less than three feasible operational cases for pollution prevention and control should be fulfilled.

4.4

Guideline preparation should follow the following principles.

- a) Policy compliance. Guidelines should be consistent with relevant state laws and regulations, policy documents and industry development planning.
- b) Integrated control principles. The guidelines should take into account water pollutants, air pollutants, solid waste, Noise and other pollution control and transfer of pollutants across the media.
- c) Comprehensive coverage of principles. The guidelines should cover the main products and processes of the industries involved. Pollution prevention and control feasible technology should be Meet the emission standards of pollutant emission control requirements of the monitoring position.

d) the principle of objective and fair. Screening, evaluation and determination of viable technologies should be scientific, objective and fair. Guide involved of the technical name, should follow the principle of technology to name, not the commercial nature of the business name of the technology.

e) Dynamic adjustment principle. The guidelines should be revised in time according to the needs of national environmental management and technological development.

5 pollution prevention and control of viable technical guidelines structure and preparation of content requirements

5.1 The preamble of the guideline should outline the basis and purpose of the standard set forth, the standard made or centralized information, etc., preface See Appendix A

5.2 The compilation of the scope of application of the guidelines shall state the main contents of the standard provisions, the scope of the industry to which the standard applies, and when necessary should explain the situation does not apply. The scope of application should in principle be consistent with the relevant pollutant discharge standards.

5.3 Guide Normative references should be listed in the standard text as part of the contents of the standard reference to the national standard Standards, industry standards, as well as the relevant state departments released the relevant normative documents.

5.4 Guideline Terms and Definitions The definitions necessary to understand certain terms in the standard shall be given. Terminology should follow the conceptual hierarchy Line classification and arrangement. The terms used in the guidelines should be consistent with the existing laws and regulations, norms in normative documents and the only meaning. If the terms are not included in the laws, regulations or normative documents, the same industry sub-industry guide appear the same terms should be consistent and the only meaning.

5.5 Industry production and the generation of pollutants

Describe the production of the industry and the generation of pollutants, etc., should include the following.

- a) Describe the main products, main raw materials and excipients in the industry;
- b) Describe the main manufacturing processes in the industry (drawings and tables). Given the production process of water balance diagram and material balance diagram, Statistics of the unit product during the production of material consumption, water consumption, energy consumption and other indicators;
- c) clear all the nodes and discharges that produce pollutants in the production process, the forms of pollutants, the types of pollutants, Concentration and amount of content. There are a variety of production processes in the industry, each process should be described in sections.