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HJ

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

HJ/T 274-2006

Replacing HJ/T 273-2006; HJ 274-2009; HJ/T 275-2006

Standard for national demonstration eco-industrial parks

综合类生态工业园区标准

(English Translation)

Issued on: December 24, 2015 **Implemented on: January 1, 2016**

Issued by: Ministry of Ecology and Environment

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Foreword

For the implementation of the "People's Republic of China Environmental Protection Law", "Cleaner Production Promotion Law" and "Circular Economy Promotion Law" to promote Industrial areas of ecological civilization construction, standardize the national eco-industrial demonstration park construction and operation, the development of this standard.

This standard specifies the national eco-industrial demonstration park evaluation methods, evaluation indicators and data collection and calculation methods, etc.

Capacity.

This standard was first published in 2006, this time for the first revision.

The main contents of this revision.

- Added optional indicators to cancel the basic conditions;

- "Comprehensive eco-industrial park standard" (HJ 274-2009), "industrial eco-industrial park standard (Trial)" (HJ/T 273-2006) and the "Intravenous Industrial Eco-Industrial Park Standards (Trial)" (HJ/T 275-2006) are merged into this standard.

Since the implementation of this standard, approved the construction of the national eco-industrial demonstration park in accordance with the implementation of this standard. Approved construction and the named national eco-industrial demonstration park since January 1, 2019 from the implementation of this standard, no longer implement the "integrated ecology Industrial park standard "(HJ 274-2009)," industrial eco-industrial park standard (Trial) "(HJ/T 273-2006) and" static (HJ/T 275-2006) and other three standards in the relevant provisions of the standard.

This standard by the Ministry of Environmental Protection Technology Standards Division, the Ministry of Commerce Foreign Investment Management Division and the Ministry of Science and Technology Development of high-tech and Industrialization Division put forward.

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

The drafting of this standard. China Environmental Science Research Institute, Tsinghua University, Shandong University, Shanghai University.

The Environmental Protection Department of this standard is approved on December 24, 2015.

This standard has been implemented since January 1, 2016.

This standard is explained by the Ministry of Environmental Protection.

National Eco - Industrial Demonstration Park Standard

1 Scope of application

This standard specifies the national eco-industrial demonstration park evaluation methods, evaluation indicators and data collection and calculation methods, etc.

Capacity.

This standard applies to the construction and management of the national eco-industrial demonstration park, and can be used as a national eco-industrial demonstration park.

Price basis, construction planning, construction effectiveness evaluation of the technical basis, but also as other related eco-industrial construction consulting work the basis for reference.

2 Normative reference documents

The contents of this standard refer to the terms of the following documents. For those who do not specify a date, the valid version applies to this standard.

General rules for the calculation of comprehensive energy consumption GB/T 2589-2008 "Notice on the Issuance of National Emergency Response Plan for Sudden Environmental Events" (Guozuo Song [2014] No. 119) Interim Measures for the Examination of Cleaner Production (National Development and Reform Commission, State Environmental Protection Administration Order No. 16) "Notice on the Issuance of the Measures for the Administration of High-tech Enterprises" (Guo Ke Fen [2008] No. 172) "Environmental Disclosure of Enterprises and Institutions" (Ministry of Environmental Protection Decree No. 31)

3 Terms and definitions

The following terms and definitions apply to this standard.

Ecological industry

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Refers to the comprehensive use of technology, economic and management measures, the production process of the remaining energy and the resulting material, passed to the use of other production processes, the formation of enterprises or enterprises between the energy and material transmission and efficient use of collaborative chain network, thus in the an industrial production organization that generally increases the efficiency of the entire production process and the energy efficiency and reduces the amount of waste and pollutant production Way and development model.

National eco - industrial demonstration park national demonstration eco - industrial park Refers to the basis of circular economy, industrial ecology principles and clean production requirements, in line with this standard and the "national eco-industry Demonstration park management approach "and other related requirements, and in accordance with the prescribed procedures for review, was awarded the title of the new type of industry Park.

Eco-industrial chain Means a combination of two production units that carry and use waste or residual energy activities in an industrial park. Ecological industry Chain production units can be in the same enterprise, can also belong to different industrial enterprises in the park.

Among them, the production unit refers to a single measurement of resources, energy consumption and output of a single production link, the output can be produced Goods or parts, intermediate products and so on. Waste refers to the production process in the production process, for the production unit has no use value of solid, liquid and gaseous materials.

Evaluation Index and Evaluation Method of National Eco - industrial Demonstration

4.1.1 Evaluation of the type of indicators

The evaluation indicators of this standard include mandatory and optional indicators. National eco-industrial demonstration park evaluation indicators in Table 1.

Table 1 National eco-industrial demonstration park evaluation index

Classification No. Indicator Unit Requirement Remarks economic development the total industrial output value of high - tech enterprises accounts for garden workers Proportion of gross domestic product % >=30 4 indicators at least choose 1 standard 2 per capita industrial added value million yuan/person >= 15 3 industrial added value of the park three years the average annual growth rate of >= 15 the proportion of the added value of the resource recycling industry accounted for% of the industrial added value of the park the number of eco - industrial chain projects to be built after the implementation of industrial symbiosis >= 6 must be selected

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6 Comprehensive utilization of industrial solid waste 1% >= 70 2 indicators

Select at least one item

7 Recycling of renewable resources 2% >= 80

Resource conservation

8 Units of industrial land area industrial added value

Billion yuan/square kilometers >=9 2 indicators at least choose 1 standard 9 Unit industrial land area industrial added value for three years Annual growth rate% >=6

10 Integrated energy elasticity coefficient -

When the park industrial added value construction period the growth rate of > 0, <= 0.6 when the park industrial added value construction period both growth rate 2 indicators at least choose 1 compliance 12 Renewable energy use ratio% >=9 13 fresh water consumption elasticity coefficient -when the park industrial added value construction period the growth rate of > 0, <= 0.55 when the park industrial added value construction period both growth rate 3 indicators at least choose 1 standard

16 Recycled water (water) Reuse%

Water shortage of more than 20% of the city Beijing-Tianjin-Hebei region to more than 30% Other areas to more than 10% Environmental protection Industrial Park, the focus of pollution sources stable emission standards Happening % Of the standard must be selected Industrial Park National Total Pollutant Emission Control indicators and local characteristics of the total discharge of pollutants control indicators to complete the situation - Complete all required Industrial Park enterprises in the special heavy Large and significant number of sudden environmental events - 0 must be selected

20 Environmental Management Capability Completion% 100 Required

Industrial Park key enterprises clean production audit implementation rate % 100 must be selected 22 centralized sewage treatment facilities - with a must

23 Park Environmental Risk Prevention and Control System Construction Completion% 100 Required

Industrial solid waste (including hazardous waste) disposal efficiency % 100 must be

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