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PEOPLE'S REPUBLIC OF CHINA**

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**Design code of general layout for grain logistics park
(English Translation)**

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Foreword

According to the "National Grain Bureau Office", the preparation of five food engineering construction standards, such as the "Code for the Design of Grain Depot Management Information System" the notice of the service (the National Food Office Exhibition [2007] No. 211) requires that the standardization group conduct extensive investigation and research, carefully summarize the practical experience, and refer to the relevant standards.

This specification has been prepared on the basis of extensive solicitation of opinions.

This specification is mainly divided into 9 chapters, including. general rules, terminology, construction address selection principle, general layout, transportation, vertical design, pipeline cloth Set, green layout, main technical and economic indicators.

In order to further supplement, improve and improve in the future, all units are required to carefully summarize their experiences and accumulate information during the implementation process.

See the information provided to the preparation team.

This specification is managed by the State Grain Administration, and is responsible for the specific technical content of Henan University of Technology and Zhengzhou Cereals, Oils and Foodstuffs Engineering Architectural Design Institute.

Explanation. If you have any comments or suggestions during the implementation, please send it to Henan University of Technology, Zhengzhou Cereals, Oils and Foodstuffs Engineering Architectural Design Institute (Address. Zheng State High-tech Industrial Development Zone, Lotus Street, Zip Code. 450001).

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General plan for the design of grain logistics parks

1 General

1.0.1

To standardize the general graphic design principles and technical requirements of the grain logistics park, to meet the actual situation, improve economic and social benefits, and promote food the development of food flow business, the development of this specification.

1.0.2

This specification is applicable to new functions such as grain, oilseeds and their products as the main raw materials, integrating circulation, warehousing, processing and trading.

The general graphic design of the grain logistics park built, rebuilt and expanded.

1.0.3

The general graphic design of the grain logistics park should be adapted to local conditions, save land, protect the environment, save energy and efficiency, be safe and hygienic, and be economically applicable.

1.0.4

Reconstruction and expansion projects should make full use of existing facilities, sites and other resources, and make the overall layout more reasonable; avoid or reduce the impact of less alteration and expansion on the use of existing facilities.

1.0.5

The general graphic design of the grain logistics park shall comply with the relevant national standards and norms in addition to the implementation of this specification.

2 Terms

2.0.1

Grain logistics park it is a comprehensive gathering area with several functions such as circulation, warehousing, processing, trading and information, with grain, oil and its products as the main raw materials.

2.0.2

Grain car receiving facility graintruckreceiver the facilities used for picking up and unloading the goods from the automobile mainly include the construction and structure of the unloading grain pit and the shed, and are provided with transportation, de-ironing, primary clearing, metering, Dust control and other equipment.

2.0.3

Grain car distribution facility graintruckreleaser the facilities for loading grain into the car,

mainly including loading towers, buffer warehouses and other buildings (structures), with transportation, metering, loading and Dust control and other equipment.

2.0.4

Grain railway dedicated line grainrailroad Introduce railway lines for the reception and distribution of grain, oilseeds and their products. It is advisable to configure platforms, unloading grain pits, sheds, etc.

Buildings and related equipment.

2.0.5

Grain train receiving facility graintrainreceiver the facilities used for picking up and unloading trains to transport grain mainly include construction (structure) such as unloading grain pits, corridors and sheds, and transportation and dust control.

Go to iron, primary clearing, metering and other equipment. Different receiving facilities should be provided for different models.

2.0.6

Grain train distribution facility graintrainreleaser the facilities for loading and transporting grain into the train mainly include structures such as loading towers and storage silos, and are equipped with measuring, conveying and loading hoses, etc.

equipment.

2.0.7

Grain terminal pier

A terminal used to receive and distribute food goods. It is divided into an inland river terminal and a harbor pier. It is advisable to set up unloading, clearing, loading, transportation and metering Equipment such as quantity and corresponding structures such as trestles and transfer towers.