

ICS 91.040.20
CCS P 85

LS

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

LS 8004-2009

**Technical specification of maintenance and reconstruction for
grain storehouse
(English Translation)**

Issued on: February 16, 2009

Implemented on: May 1, 2009

**Issued by: Office of the Ministry of Housing and Urban-Rural
Development of the People's Republic**

Table of Contents

- Foreword
- 1 General
- 2 Terms

Foreword

This regulation is based on the five food engineering construction standards of the State Food Bureau Office on the release of the Technical Regulations for the Maintenance and Renovation of Grain Warehouses.

Compilation of the requirements for the preparation of the mission (Guoliang Office Exhibition [2006] No. 142). In the process of preparation, carefully analyze and summarize the grain warehouses around the country.

The experience of maintenance and renovation, with reference to the provisions of the Ministry of Construction and other industry maintenance and renovation standards, reflects the characteristics of the maintenance and transformation of the grain warehouse.

This regulation has extensively solicited opinions from relevant units and experts in the design, construction, management, supervision, construction and installation of the grain industry.

The review will review the final draft.

This regulation is divided into six chapters. The main contents are general rules, terminology, maintenance and evaluation criteria and scope, room warehouse, shallow round warehouse, silo. For the sake of reason the relevant provisions are explained in terms of solutions and applications.

This regulation is managed by the National Grain Bureau. Zhengzhou Cereals, Oils and Foodstuffs Engineering Architectural Design Institute is responsible for the interpretation of specific technical content. Please order when implementing this procedure, combine engineering practice, sum up experience, and accumulate information. If you find that you need to modify and supplement, please comments and suggestions.

Feedback to Zhengzhou Cereals, Oils and Foodstuffs Engineering Architectural Design Institute (140 South Lushan Road, Zhengzhou City, Zip code 450052, fax 0371-67789203, E-mail zzlyszy@public2. Zz. Ha. Cn).

The provisions in bold characters in this Code are mandatory and must be strictly enforced.

The main editor of this procedure. Zhengzhou Cereals, Oils and Foodstuffs Engineering Architectural Design Institute.

Participated in the preparation of this regulation. Henan University of Technology, Wuxi Scientific Research and Design Institute of the National Grain Reserve Bureau, and Jiangsu Provincial Food Science Research Institute School.

1 General

1.0.1

In order to strengthen the management of grain warehouse maintenance and renovation, cooperate with the construction of grain logistics system, make full use of existing facilities, save land and reduce this regulation is specially formulated for investment, improvement and improvement of warehouse functions, improvement of utilization rate, safety and application, economic rationality and advanced technology.

1.0.2

This regulation is applicable to grain house warehouses that have not reached the service life or have reached the service life but can still be used after the identification of the main structure.

Repair or modification of the silo and silo.

1.0.3

The repair part of the warehouse should match the function of the original warehouse.

1.0.4

The warehouse should be judged or appraised before the transformation; the transformation plan should be feasible and cost-effective; after the completion of the transformation, it should be in accordance with the state.

The relevant regulations are accepted.

1.0.5

When the function of the warehouse is changed, it needs to be partially designed and constructed when it needs to be partially dismantled or reinforced.

1.0.6

Maintenance and renovation involving safety shall be designed and constructed by units with corresponding qualifications.

1.0.7

Safety measures should meet the following requirements.

1 The structure should be confirmed before being repaired and repaired.

2 Structures that may be unsafe due to tilting, instability, etc., should be taken first for safety measures.

3 Maintenance and repair of the electrical system should be carried out in the event of a power failure.

4 In the case of maintenance and renovation in a flammable and explosive environment, the production operation should be stopped first, effective preventive measures should be taken, and live working is strictly prohibited.

1.0.8

In addition to complying with this regulation, the grain warehouse maintenance and repair shall comply with the relevant national mandatory standards.

2 Terms

2.0.1

The overall structure of the warehouse is intact, meeting the safety requirements of grain storage, only local damage affects normal use, the function of the warehouse is unchanged, and the damage site is Repair of the line.

2.0.2

In order to improve the existing functions and new functions of the warehouse, local changes in the functions of the warehouse building, structure, process, and electrical are changed.

2.0.3

Single or multi-storey house granaries for storing food and meeting the functional requirements of grain storage.

2.0.4

A single-storey granary for storing food and meeting the functional requirements of grain storage.

2.0.5

Multi-layer granary for storing food and meeting the functional requirements of grain storage, building and building similar.

2.0.6

The upright container storing the bulk material in the form of a circle, a rectangle, a polygon and other geometric shapes, the part accommodating the stock is a magazine body.