NATIONAL STANDARD

OF THE PEOPLE'S REPUBLIC OF CHINA

中华人民共和国国家标准

Code for design of fire-dike in storage tank farm

储罐区防火堤设计规范

GB 50351-2005

Chief Development Department: China National Petroleum Corp

Approval Department: Ministry of Construction of the People's Republic of China

Implementation Date: July 1, 2005

NOTICE

This code is written in Chinese and English. The Chinese text shall be taken as the ruling one in the event of any inconsistency between the Chinese text and the English text.

Declaration of the Ministry of Construction of the People's Republic of China

No. 317

Declaration of the Ministry of Construction of the People's Republic of China on Issuing the National Standard Code for Design of Fire-dike in Storage Tank Farm

It is hereby approved the Code for Design of Fire-dike in Storage Tank Farm as the national standard, with a No. of GB 50351-2005, and will take effect since July 1, 2005. Among which 3.1.2, 3.1.5, 4.2.1, 5.1.1, 5.3.1 and 5.4.1 are mandatory terms and must be carried out strictly.

This standard is organized by Research Institute of Standards & Norms (RISN) of the Ministry of Construction and published by China Planning Press.

Ministry of Construction of the People's Republic of China March 17, 2005

Foreword

This standard is worked out according to the requirement of file No. [2003] 102 of Standard Establishment of the Ministry of Construction "Notice on the Establishment and Revision Plan of National Standard of Engineering Construction during the Year 2002~2003".

During working out the standard, plentiful and comprehensive research and study have been made, technical progress and experience of many years in China have been summarized, opinions and suggestions from all sides have been heard, strict arrangement and examination of the contents and structure have been conducted, strict defining of the fire-dike and dividing dike are made and the functions are illustrated; and detailed regulation of the total capacity of tank group, height of fire-dike, material, construction and structural design of fire-dike and dividing dike are made.

This standard includes five chapters and two appendixes. The main contents are as following: general principles, terminology, layout, type selection and construction, strength calculation and stability checking of fire-dike and dividing dike, etc.

In this standard articles with boldface type are mandatory and must be strictly enforced. The Ministry of Construction is responsible for the management of this standard and the interpretation of mandatory articles, the Standardization Technical Committee on Oil-gas Field and Pipeline Construction and Design is responsible for the daily administration, and China Oil and Gas Pipeline Engineering Co. Ltd is responsible for the interpretation of technical contents. During the implementation, each unit should summarize the experiences and collect data based on the engineering practice, and send the opinions and suggestions to the Technical Quality Department of China Oil and Gas Pipeline Engineering Co. Ltd (No. 22 of Jinguang Road, Langfang City, Hebei Province, Postcode: 065000) as the reference for later revision.

The SY/T 0075-2002 and SH 3125-2001 will terminate within with effective date of this standard.

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Explanation of Wording in This Code				

1 General Principles

- 1.0.1 This standard is worked out for rational design of fire-dike and safety wall and ensure safety of storage tank farm.
- 1.0.2 This standard is applicable for design of fire-dike and safety wall in the newly-built, reconstructed an expanded engineering of above-ground storage tank farm, and not for the design of non-liquid storage tank farm.
- 1.0.3 Besides this standard, design of fire-dike and safety wall in the storage tank farm should conform to the regulations of relevant current national standard.



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