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

GB 6722-2014

Replacing GB 6722-2003

Safety regulations for blasting

爆破安全规程

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Foreword

All the technical contents of this standard is mandatory. This standard was drafted in accordance with GB/T 1.1-2009 given rules. This standard replaces GB 6722-2003 "Blasting Safety Regulations." Compared with GB 6722-2003, the main changes are as follows:

- Adjust the layout structure of chapters increased from the original 7 to 14;
- Added the necessary terms and definitions (see Chapter 3);
- Modified blasting grading standards (see Chapter 4);
- Supplement and improve the content of blasting safety assessment, construction supervision (see 5.3, 5.4);
- Emphasize the design requirements and test explosions Initiating Network (see 6.4);
- Supplement and improve the high temperature blasting safety regulations (see Chapter

9);

- Supplementary demolition explosion pretreatment requirements (see 11.3);
- Supplement and improve the content of special blasting (see Chapter 12);
- Improve the environmental impact of blasting safety control standards (see Chapter 13);
- Supplement and perfect the peak particle velocity and main vibration frequency, emphasizing the blasting vibration monitoring for the simultaneous determination of particle vibration should be mutually Vertical three components (see 13.2.2);
- Shock in water to supplement the biological effects of water safety control standards (see 13.5);
- Complement and complete the purchase of explosives, transportation, storage and use of provisions (see Chapter 14);
- Remove the varieties to be eliminated blasting equipment, blasting and blasting processes. This standard was proposed by the State Administration of Work Safety. This standard by the National Standardization Technical Committee on non-coal mine production safety Safety Technical Committee (SAC/TC288/SC2) centralized. This standard was drafted. China Engineering Blasting Association, the Guangdong Hongda Blasting Co., Ltd. Zhejiang high energy blasting, Beijing Mining Research Institute, China Academy of Railway Sciences, Yangtze River Scientific Research Institute, Wuhan blasting companies, large construction group burst Chang Break, Qingdao Haiphong Engineering Bureau, Henan Schindler blasting Co., Tangshan Kim blasting Limited, a new joint blasting Guizhou Company, Wuhan Iron and Steel Group Co., Ltd. Environmental Safety Institute. The main drafters of this standard. EXPLOSIVES Zhengbing Xu, Zhang Zhengzhong, Xiexian Qi, pipe Zhiqiang, Zhang excellence, pool Enan at Bao Shu, Jin-bin, Zhang Zhengyu, Wang Qian, in Aaron, Zhoujia Han, Yan dragon thing, Mei Jinyu, Wang Hao, Lau, the high shade Tong, Gu Yicheng, Liu Honggang, Wuxin Xia, Zhangyong Zhe, Lau book, Li Xiaojie, Young Love, Li Zhanjun, check being cleared, EXPLOSIVES, Xie source, Chen Shao Pan, Xuepei Xing, high literature. This standard replaces the standards previously issued as follows:

1 Scope

GB 6722-2014 is the Chinese national standard on safety regulations for blasting, in the field of environment and health protection, safety. It carries no /T suffix, which in the Chinese system means compliance is mandatory: a product or a practice within its scope has to meet it to be lawfully made, sold or carried out in China. It was issued on 5 December 2014 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 July 2015. Classification: ICS 13.100, CCS C66. This page is published from the official record of the standard held by the Chinese standards

administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies the blasting and blasting unit purchase, transportation, storage, use, processing, inspection and destruction of blasting equipment safety skills requirement. This standard applies to all kinds of civil and blasting the PLA, non-military purposes Chinese People's Armed Police Force in the Blasting.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document. Determination of the content of toxic gases after

GB 18098 Industrial Explosives

GB 50089 civilian blasting equipment engineering safety regulations GA837 Civil Explosives depot requirements of public security GA838 small civilian explosives depot safety norms GA/T 848 residential units blasting explosives depot Safety Evaluation Guide GA990 blasting units qualifications and management requirements GA991 blasting project management requirements

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 Blasting blasting Use dynamite explosive energy acting on the media, in order to achieve a predetermined goal of the project work.

3.2 Blasting unit blastingunit Permit holders blasting units engaged in blasting operations units, non-business and business sub-categories. Single non-commercial blasting operations Bit is lawful production activities need-based unit, within a defined region to implement their own units blasting operations; commercial blasting units It refers to an independent legal entity, to undertake the design and construction, safety assessment, safety supervision units blasting project.

3.3 Blasting engineering and technical personnel
blastingengineeringandtechnicalpersonnel It refers to a blasting professional knowledge and practical experience and pass the examination to obtain a certificate of qualification in the blasting art.

3.4 Blasting operations personnel blastingpersonnel;
personalsengagedinblastingoperations It means in blasting operations Blasting engineering and technical personnel, blasting staff, security staff and custodians.

3.5 Blasting harmful effects adverse effects of blasting Blasting area of the explosion near the protected object may have harmful effects. The vibration caused by blasting, individual scattering substances, air blast, Noise, water, shock, hydrodynamic pressure, swell, dust, harmful gases.

3.6 Blasting work environment blasting circumstances Refers to the area in and around the blast blasting safety impact of natural conditions, environmental conditions.

3.7 Rock blasting rock blasting Use dynamite explosive energy of rock and soil media acting to achieve the desired goal of the project work.

3.8 Opencast Blasting surface blasting Carried out on the surface of rock blasting.

3.9 Underground blasting underground blasting Geotechnical underground (such as underground mines, underground chambers, tunnels, etc.) blasting operations.

3.10 Shallow hole blasting short-hole blasting Blasthole diameter less than or equal to 50mm, borehole depth of not more than 5m of blasting operations.

3.11 Deep hole blasting deep-hole blasting Blasthole diameter greater than 50mm, and the depth is greater than 5m blasting operations.

3.12 Blasting blasting in complicated surroundings complex environment At the edge of implosion 100m range concentration area residents, the environment or the large farms of important facilities, the measures taken to control harmful effects Shi blasting implementation.

3.13 Blasting development blasting; heading blast Roadway, tunnel excavation engineering blasting.

4 Blasting rating

4.1 Blasting works by type of construction, a total dosage of blasting, blasting the environment and the complexity of the blasting material characteristics, points A, B, C, D four levels, Levels of management. Engineering grade are shown in Table 1. Table

1 Classification blasting Job classification standards of measurement range level ABCD
Blasting rock blasting a first dose of Q/t $100 \leq Q$ $10 \leq Q < 100$ $0.5 \leq Q < 10$ $Q <$

0.5 Blasting Demolition Height H_b/m Once BLASTING Q_c/t $50 \leq H$ $0.5 \leq Q$ $30 \leq H < 50$
 $0.2 \leq Q < 0.5$ $20 \leq H < 30$ $0.05 \leq Q <$

$0.2 H < 20 Q <$

0.05 Special blasting d composite panels using a single dose of Q/t $0.4 \leq Q$ $0.2 \leq Q <$

$0.4 Q <$

0.2 a form of traditional Chinese medicine refers to an amount corresponding to the level of