

ICS 13.100
CCS C 51



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

GB 18068.4-2012

Replacing GB 18073-2000

**Health protection zone for non-metallic mineral products
industry -- Part 4: Graphite and charcoal industry**

非金属矿物制品业卫生防护距离 第4部分：石墨碳素制品业

(English Translation)

Issued on: June 29, 2012

Implemented on: August 1, 2012

**Issued by: People's Republic of China Ministry of Health, Standardization
Administration of China**

Table of Contents

Foreword
1 Scope
2 Normative references
3 Terms and Definitions
4 Index requirements

Foreword

This section 4.2,4.3,4.4 are recommended, the rest are mandatory.

GB 18068 "non-metallic mineral products industry Health protection" is divided into eight sections.

- Part 1. cement manufacturing;
- Part 2. lime manufacturing;
- Part 3. Asbestos products industry;
- Part 4. graphite carbon products industry;
- Part 5. mica products industry;
- Part 6. ceramic products industry;
- Part 7. Glass fiber and products industry;
- Part 8. glass and glass products industry.

This section GB of Section 418 068.

This section drafted in accordance with GB/T 1.1-2009 given rules.

This Part replaces GB 18073-2000 "Carbon Plant Health protection zone standard." this section of the main changes compared to GB 18073-2000 are as follows.

- Adjust the standard name, and according to GB/T 1.1-2009 "Standardization Guide Part 1. Standard structure and drafting" Adjust the structure of the standard;
- Amendments to the definition of health protection distance, increasing the sensitive area, complex terrain two terms and definitions;
- Revised the Health protection zone standard limits, and adjust the scale of production sub-file;

--- Increased requirements for greening.

This part of the People's Republic of China Ministry of Health and focal points.

This section is responsible for drafting units. China Center for Disease Control Environmental Health and Related Product Safety, Sichuan Provincial Disease Prevention and Control center.

Participated in the drafting of this section. Chengdu Railway Bureau CDC, Railway Bureau CDC, Sichuan Guang Han Shida Carbon Co., Ltd..

1 Scope

GB 18068 of the provisions of this part of the health protection distance required between the graphite electrode manufacturer and sensitive areas.

This section applies to a graphite electrode located in the plains area manufacturers new construction, renovation, expansion project. Other graphite carbon products Enterprises and existing graphite electrode manufacturing companies may refer to.

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.

GB/T 3840-1991 development of local air pollutant emission standards of technical methods

3 Terms and Definitions

The following terms and definitions apply to this document.

Health protection healthprotectionzone Factors adversely department (workshop or workplace) to the sensitive border zone boundary minimum distance.

Sensitive area Air pollution sensitive areas, including residential areas, schools and hospitals.

Complex terrain complicatedlandform Mountains, hills, coastal.

4 Index requirements

4.1

graphite electrode manufacturer Health protection limits in Table 1.

Table 1 graphite electrode manufacturing companies from the health protection limit

Production scale

kt/a

Location near five-year average wind speed m/s Health protection ≤ 30 4600

Table 1 (continued)

Production scale

kt/a

Location near five-year average wind speed m/s Health protection > 30 4700

4.2

Determination located graphite electrode manufacturer Health protection in complex terrain conditions, the reference to GB/T 3840-1991 in 7.6 regulations.

Location 4.3 graphite electrode manufacturer and sensitive areas, should consider the impact of factors such as wind direction and topography frequency to minimize its sensitive areas Pollution of the atmospheric environment.

Enterprise 4.4 within the health protection distance range, densely planted trees plants green belt (width less than 10m), and according to health 90% protection from the standard limit of execution. Attention to the selection of species resistant characteristics of pollutants or adsorption characteristics.