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NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB 18071.3-2012

Replacing GB 11663-1989

Health protection zone for basic chemistry industry -- Part 3: Sulfuric acid industry

基础化学原料制造业卫生防护距离 第3部分：硫酸制造业

(English Translation)

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Foreword

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

GB 18071 "basic chemical raw materials manufacturing industry from the Health Protection" is divided into eight sections.

--- Part 1. caustic soda manufacturing;

--- Part 2. manufacturing soda ash and sodium bicarbonate;

--- Part 3. sulfuric acid manufacturing;

--- Part 4. nitric acid manufacturing;

--- Part 5. Manufacturing hydrochloride;

--- Part 6. Sodium sulfide manufacturing;

--- Part 7. yellow phosphorus industry;

--- Part 8. hydrofluoric acid manufacturing.

This is Part 3 GB 18071's.

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

This Part replaces GB 11663-1989 "from the sulfuric acid plant health protection standards." Compared with GB 11663-1989 portion of the main changes 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, established a production scale sub-file;

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--- 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 City Center for Disease Control and Prevention, Guang'an pre-disease prevention control center.

1 Scope

GB 18071 of the provisions of this part of the health protection distance required between sulfuric acid manufacturing enterprises and sensitive areas.

This section applies to sulfuric acid is located in the plain areas of manufacturing new construction, renovation, expansion project. Existing manufacturing companies may refer to sulfuric acid carried out.

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

sulfuric acid manufacturers Health protection limits in Table 1.

Table 1 sulfuric acid manufacturing enterprises from the Health Protection Limit

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Production scale

kt/a

Location near five-year average wind speed m/s Health protection 4200

Table 1 (continued)

Production scale

kt/a

Location near five-year average wind speed m/s Health protection >=500 4300 4.2 sulfuric acid manufacturing method of determining the distance of Health Protection is located in complex terrain conditions, with reference to GB/T 7.6 in 3840-1991 Regulations.

Location 4.3 sulfuric acid manufacturing enterprises and sensitive areas, should consider the impact of factors such as wind direction and topography frequency to minimize its sensitive areas atmosphere Pollution of the 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.

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