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

GB 11654.1-2012

Replacing GB 11654-1989

**Health protection zone for paper and paper products industry --
Part 1: Pulp and paper industry
(English Translation)**

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Administration of China**

Table of Contents

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

Foreword

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

GB 11654 "Paper and paper products industry Health protection" is divided into two parts.

--- Part 1. Pulp manufacturing;

--- Part 2. paper.

This section GB Part of 111,654.

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

This Part replaces GB 11654-1989 "Health protection zone standard kraft paper mill", compared with GB 11654-1989 main technical Surgery changes are as follows.

--- Adjust the standard name, and according to GB/T 1.1-2009 standard structure adjustment;

--- Amendments to the definition of health protection distance, increasing the sensitive area of complex terrain two terms and definitions;

--- Revised the Health protection zone standard limits, increasing 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 in part by the Chinese Center for Disease Control Environmental Health and Related Product Safety, Shandong Province Disease Prevention and Control Center is responsible for drafting.

1 Scope

GB 11654 of the provisions of this part of the health protection distance required between kraft pulp manufacturing enterprises and sensitive areas.

This section applies to areas located in the plains of sulphate pulp manufacturers new construction, renovation, expansion project. Existing kraft pulp manufacturing Enterprises may refer.

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 Residential areas, schools, hospitals and other air pollution sensitive areas.

Complex terrain complicatedlandform Mountains, hills, coastal.

4 Index requirements

4.1

Pulp Manufacturing Health protection zone standard limits are shown in Table 1.

Table 1 pulp manufacturing Health protection standard limits

Production scale

Million t/a

Region the past five years the average wind speed m/s Health protection 4500 $\geq$ 30 4600

4.2

Determination of pulp manufacturing company located in Health Protection in complex terrain conditions, in the light of GB/T 3840-1991 7.6 Regulations.

4.3

Location pulp 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.