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

GB 45670.5-2026

**Norm of water intake for service industry in the Yellow River
basin - Part 5: University and college**

黄河流域服务业用水定额 第5部分：高校

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Foreword

This document was drafted in accordance with the rules given in GB/T 1.1-2020 "Directives for standardization - Part 1: Rules for the structure and drafting of standardizing documents".

This document is Part 5 of GB 45670 "Norm of water intake for service industry in the Yellow River basin". The following parts of GB 45670 have already been issued:

- Part 1: Hotel;
- Part 2: Swimming venue;
- Part 3: Car washing place;
- Part 4: Bathing place;
- Part 5: University and college;
- Part 6: Outdoor artificial ski resort.

Attention is drawn to the possibility that some of the content of this document may be the subject of patent rights. The issuing body of this document bears no responsibility for identifying such patent rights.

This document was proposed by, and is under the jurisdiction of, the Ministry of Water Resources of the People's Republic of China.

Introduction

Under the Yellow River Protection Law of the People's Republic of China, the State applies a system of mandatory water intake norm management in the Yellow River basin and sets mandatory water intake norms for the water-intensive industrial and service sectors of the

basin. A national standard for a mandatory water intake norm is an important measure of the water-saving level of the sector concerned in the Yellow River basin, an important means of giving effect to the rigid constraint system for water resources and to the mandatory water intake norm management system of the basin, and an important technical basis for the State in operating the water abstraction permit system, in managing planned water use and in carrying out water resource appraisal and water-saving assessment.

GB 45670 "Norm of water intake for service industry in the Yellow River basin" sets out the calculation method, prescribes the mandatory water intake norm and lays down the management requirements according to the water use characteristics of the different water-intensive service sectors of the basin. It is intended to consist of the following 6 parts.

- Part 1: Hotel. Intended to establish the calculation method, the norm values and the management requirements for the mandatory water intake norm of hotels in the Yellow River basin.
- Part 2: Swimming venue. Intended to establish the calculation method, the norm values and the management requirements for the mandatory water intake norm of swimming venues in the Yellow River basin.
- Part 3: Car washing place. Intended to establish the calculation method, the norm values and the management requirements for the mandatory water intake norm of car washing places in the Yellow River basin.
- Part 4: Bathing place. Intended to establish the calculation method, the norm values and the management requirements for the mandatory water intake norm of bathing places in the Yellow River basin.
- Part 5: University and college. Intended to establish the calculation method, the norm values and the management requirements for the mandatory water intake norm of universities and colleges in the Yellow River basin.
- Part 6: Outdoor artificial ski resort. Intended to establish the calculation method, the norm values and the management requirements for the mandatory water intake norm of outdoor artificial ski resorts in the Yellow River basin.

1 Scope

This document specifies the calculation method, the norm values and the management requirements for the mandatory water intake norm of universities and colleges in the Yellow River basin.

This document applies to the water use management of existing, newly built, rebuilt and extended universities and colleges in the Yellow River basin and in the county-level administrative areas of the other Yellow River water supply areas of the provinces and autonomous regions through which the Yellow River flows.

2 Normative references

The contents of the following documents constitute indispensable provisions of this document through normative reference in the text. For dated references, only the edition corresponding to that date applies to this document; for undated references, the latest edition (including all amendments) applies to this document.

GB/T 12452 General principles for water balance testing · GB/T 21534 Water saving - Terminology · GB/T 24789 General rules for equipping and managing water measuring instruments of water use units · GB/T 28714 Technical directives for water intake metering · GB 45670.1 Norm of water intake for service industry in the Yellow River basin - Part 1: Hotel · GB 45670.2 Norm of water intake for service industry in the Yellow River basin - Part 2: Swimming venue

3 Terms and definitions

For the purposes of this document, the terms and definitions given in GB/T 21534 and the following apply.

3.1 University and college

Regular institutions of higher education such as regular undergraduate schools, undergraduate-level vocational schools and higher vocational (junior college) schools.

3.2 Standard water users in university and college

The number of standard-type water users obtained by converting the various categories of people of a university or college according to the characteristics of their water use behaviour.

3.3 Quantity of water intake per standard water user

The ratio of the quantity of water taken by a university or college from all water sources to the number of standard water users of that university or college.

3.4 Water card

A dedicated smart card issued on the basis of the campus management system and carrying a built-in information carrier.

4.1 Scope of calculation

4.1.1 The scope of calculation of the quantity of water used shall include the water taken from conventional sources such as surface water, groundwater and the urban water supply network, the water taken from unconventional sources such as reclaimed water and

collected rainwater, and the quantity of other purchased water products (hot water, geothermal water and the like).

4.1.2 The water use of a university or college shall include the water used by teaching buildings, office buildings, laboratories, sports venues, libraries, canteens, dormitories, bathrooms, external training, landscaping and greening, and ancillary equipment.

4.1.3 The water used by swimming venues and by hotels open to the public inside a university or college shall be accounted for separately and shall not be included in the scope of calculation of the water intake norm; the water used by affiliated primary and secondary schools and kindergartens, by staff residential areas and by agricultural and forestry experimental fields used for teaching and research, and the water reused by the university or college after treatment of its own sewage (waste water), shall likewise not be included in that scope.