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

GB 45670.2-2025

**Norm of water intake for service industry in the Yellow River
basin - Part 2: Natatorium**

黄河流域服务业用水定额 第2部分：游泳场馆

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part

1. Structure and drafting rules for standardization documents" Drafting. This document is Part 2 of GB 45670 Water Use Quota for the Service Industry in the Yellow River Basin. GB 45670 has been published in the following parts.

2. Swimming pools. Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents. This document is proposed and coordinated by the Ministry of Water Resources of the People's Republic of China.

According to the Yellow River Protection Law of the People's Republic of China, the state implements a mandatory water quota management system in the Yellow River Basin and formulates the Yellow River Mandatory water quotas for high water-consuming industries and service industries in the Yellow River Basin. The national standard for mandatory water quotas is used to measure the water conservation efforts of relevant industries in the Yellow River Basin. It is an important standard for water level, an important means to implement the rigid water resource constraint system and the mandatory water quota management system in the Yellow River Basin, and also an important It is an important technical basis for the country to implement the water withdrawal permit system, implement planned water use management, and carry out water resources demonstration and water conservation evaluation. GB 45670 "Water Use Quota for the Service Industry in the Yellow River Basin" specifies the calculation of water use quotas based on the water use characteristics of different high water-consuming service industries in the Yellow River Basin. The method stipulates mandatory water quotas and makes management requirements, which is

planned to consist of the following six parts.

1.Hotels. The purpose is to clarify the calculation method, index value and management of the mandatory water quota for hotels in the Yellow River Basin Require.

2.Swimming pools. The purpose is to clarify the calculation method, index values and Management requirements.

3.Car wash places. The purpose is to clarify the calculation method, index value and Management requirements.

4.Bathing places. The purpose is to clarify the calculation method, index value and Management requirements.

5.Colleges and universities. The purpose is to clarify the calculation method, index value and management of the mandatory water quota for colleges and universities in the Yellow River Basin Require.

6.Outdoor artificial ski resorts. The purpose is to clarify the calculation of mandatory water quotas for outdoor artificial ski resorts in the Yellow River Basin Methods, indicator values and management requirements. Water quota for the service industry in the Yellow River Basin Part

1 Scope

GB 45670.2-2025 is the Chinese national standard on norm of water intake for service industry in the yellow river basin - part 2: natatorium, 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 25 April 2025 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 June 2025. Classification: ICS 13.020, CCS P41. 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 document specifies the calculation method, index values and management requirements for the mandatory water quotas for swimming venues in the Yellow River Basin. This document applies to the existing, newly built and renovated county-level administrative areas in the Yellow River Basin and other Yellow River water supply areas in the provinces and autonomous regions where the Yellow River flows. Water use management of swimming venues that are built or expanded and open to the public.

2 Normative references

The contents of the following documents constitute essential clauses of this document through normative references in this document. For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to This document.

GB/T 12452 General rules for water balance test

GB/T 21534 Terminology for water conservation

GB/T 24789 General rules for the allocation and management of water metering instruments in water-using units

GB/T 28714 Technical Guidelines for Water Intake Measurement

GB/T 38802 Specification for water conservation management in swimming pools

3 Terms and definitions

The terms and definitions defined in GB/T 21534 and GB/T 38802 and the following apply to this document.

3.1 The swimming pool draws water from various conventional water sources, which is measured by the sum of the first-level water meters.

3.2 Swimming pool natatorium Artificially constructed indoor and outdoor water surfaces (areas) and facilities that can meet the needs of people for swimming, fitness, training, competition and other activities.

4.1 Calculation scope

4.1.1 The calculation scope of water consumption should include water from conventional water sources such as surface water, groundwater, urban water supply network, purchased steam and hot water. Water volume.

4.1.2 Water used in swimming pools should include water for swimming pools, showers, toilets, central air conditioning, sanitation and cleaning.

4.2 Calculation formula The water consumption per unit swimming pool volume is calculated according to formula (1).