

ICS 07.060
CCS A 45



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

GB/T 45622-2025

**Terminology of seawater desalination and multi-purpose
utilization**

海水淡化及综合利用术语

Issued on: May 30, 2025

Implemented on: December 1, 2025

**Issued by: State Administration for Market Regulation;
Standardization Administration of the PRC**

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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.

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 by the Ministry of Natural Resources of the People's Republic of China.

This document is under the jurisdiction of the National Technical Committee for Marine Standardization (SAC/TC283).

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Terminology of seawater desalination and comprehensive utilization

1 Scope

This document defines the basic terms of seawater desalination and comprehensive utilization, seawater desalination technology, seawater cooling technology, and large-scale life seawater technology.

Common terms and definitions of seawater chemical resource extraction and utilization technologies.

This document is applicable to the scientific research, management, design, production application, economic and trade, technical document formulation, book and periodical editing in the field of seawater desalination and comprehensive utilization.

Writing and translation of literature.

2 Normative references

This document has no normative references.

3.1 raw seawater rawseawater

Untreated seawater.

[Source. HY/T 203.1-2016, 2.1]

3.2 Brackish water

Water with a total salt content higher than 1000 mg/L and lower than the total salt content of original seawater.

Note. The total salt content is generally between 1000mg/L and 10000mg/L.

3.3 Desalination

The process of removing part or most of the salt from seawater or brackish water to obtain fresh water.

3.4 seawater multi-purpose utilization

Technologies and processes for effectively utilizing seawater as a resource in various ways.

Note. Comprehensive utilization of seawater mainly refers to seawater cooling, large-scale domestic use of seawater, extraction and utilization of seawater chemical resources, and other technologies and processes for utilizing seawater resources.

Processes, excluding seawater desalination, salt pan salt production and marine aquaculture.

3.5

Research and development, production and service activities for seawater desalination, seawater cooling, large-scale domestic seawater use, and seawater chemical resource utilization.

3.6 waterintake

The process of obtaining raw seawater or brackish water from the source.

3.7 Pretreatment

The process of removing particles of mud, sand, colloids, microorganisms and other substances from the original seawater (brackish water) before the desalination and deionization process.

Note. Pretreatment generally includes sterilization, coagulation, sedimentation, flotation, filtration and other processes.