

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

HJ 596.4-2010

Replacing GB/T 11915-1989; GB 6816-1986

Water quality. Vocabulary. Part 4

水质 词汇 第四部分

(English Translation)

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Foreword

To implement the "People's Republic of China Environmental Protection Law", "People's Republic of China Water Pollution Prevention Law," protecting the environment, safeguarding human health Kang, standardized quality vocabulary, the development of this standard.

This standard is the "quality first and second portions Vocabulary" (GB 6816-86) and "Water quality - Vocabulary - Part III Part VII "(GB 11915-89) amendments.

This standard were first issued in 1986 and 1989, the original drafter of China National Environmental Monitoring Center, this is the first revision.

The revised standard is divided into seven parts.

1. Water quality - Vocabulary section;

2. The second part of the vocabulary of water quality;
3. Water quality - Vocabulary - Part III;
4. Water quality - Vocabulary - Part IV;
5. Water Vocabulary Part V;
6. Water quality - Vocabulary - Part VI;
7. Water quality - Vocabulary - Part VII.

Words defined in this section is designed for term water quality characteristics provided mainly include "Water quality - Vocabulary - Part IV" as used herein and Define (including the corresponding English terminology), it Terminology published at home and abroad may be the same, but when applied to different areas, they the definition may be different.

This section vocabulary equivalent to international standards "Water quality - Vocabulary - Part 4" (ISO 6107.4-1993), with English terms ISO 6107.4-1993 consistent.

From the date of implementation of this standard, the former State Environmental Protection Agency October 10, 1986 approved by the State Environmental Protection issued the standard "water Vocabulary quality first and second portions "(GB 6816-86) and the former State Environmental Protection Agency December 25, 1989 approved, release Environmental Standards "Water quality - Vocabulary - Part III - Part VII" (GB 11915-89) abolished.

This standard is developed by the Ministry of Environmental Protection Science, Technology organization.

This standard is mainly drafted by. China National Environmental Monitoring Center, the Liaoning Provincial Environmental Monitoring Experiment Center.

This standard MEP November 5, 2010 for approval.

This standard since March 1, 2011 implementation.

The standard explanation by the Ministry of Environmental Protection.

Part IV Water Glossary

1 Scope

This standard specifies the terms provided specifically for the characteristics of water quality.

2 Terminology

Between 2.1 intertidal zone at the average high tide and low tide water level within the average range of the coastal zone.

With 2.2 tidal subtidal zone Lower than the average low tide level of the coastal zone.

2.3 Crushing comminution

Coarse solids in the waste water, by mechanical crushing or grinding into small particles, to facilitate further processing.

2.4 Coagulation

Coagulant, the colloidal dispersion destabilization and coagulation (chemical coagulation and flocculation) process.

2.5 Interstitial water interstitial water

The gap between the solid particle (hole) memory of water left.

2.6 Biodegradability

Biodegradable organics performance.

2.7 Ion balance ionic balance

In aqueous solution, the total of all cations and anions of ionic charge number and the molar concentration of algebra and should be zero. If the actual analysis Results calculated algebraic and not equal to zero, then the measurement item incomplete (some ions not determined), or there is an error in the analysis.

2.8 Pycnocline

Water maximum aqueous layer density gradient layering.

2.9 Blowdown

With the processor or storage pressure vessels and piping in liquid, solid or solid-liquid mixture removed.

2.10 Stool night soil

Collected in the container periodically cleared of human excreta.

Note: usually clear at night.

2.11 Softener soft water

Low hardness water.

2.12 Soft detergent soft detergent

It refers to a biodegradable detergent surfactants contain, in biological wastewater treatment process surfactant significantly reduced.

2.13 Deep bottom band profundal zone

Sham lower region of the body, characterized by plenty of sunshine were no primary production (photosynthesis).

2.14 Biochemical oxidation biochemical oxidation

Microbial oxidation process water substances (mainly organic) of.

2.15 Water cycle hydrological cycle

Water from the Earth's surface, mainly evaporated from the ocean into the atmosphere, but also through the condensation returns to the natural cycle of the ground. This process involves in a form of precipitation returns to the ground before the plants absorb the water, and then evaporate through the plant, transpiration and water vapor to release moisture into the Into the atmosphere.

2.16 Creek brook

Often we get supplies of natural spring water creek.

2.17 Extended aeration extended aeration

An activated sludge sewage treatment process, sludge load of 1/3 of the traditional process, in order to reduce the amount of residual sludge. Since sludge consumption Low, long sludge age (about 50 d), the remaining sludge is generally stable, but slow growth of microorganisms in the system more stable, can be oxidized to remove it His way is difficult to degrade substances.

2.18 Mobile water treatment equipment package plant

Typically used to handle small amounts of water and sewage prefabricated compact device.