

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

HJ 596.7-2010

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

Water quality. Vocabulary. Part 7

水质 词汇 第七部分

(English Translation)

Issued on: November 5, 2010

Implemented on: March 1, 2011

Issued by: Ministry of Ecology and Environment

Table of Contents

Foreword

1 Scope

2 Terminology

2.1 Surface loading rate surface loading rate

2.2 Virus viruses

2.3 Enterococci; faecal enterococci Enterococcus faecalis

2.4 Tide tidal water

2.5 Tidal limit tidal limit

2.6 Primary treatment primary treatment

2.7 Escherichia coli Escherichia coli; E.coli

2.8 Coliform bacteria coliform organisms; total coliforms total coliform organisms

2.9 Freshwater limit freshwater limit

2.10 Nitrogen cycle bacteria nitrogen cycle bacteria

2.11 Luminous bacteria luminescent bacteria

2.12 Faecal streptococcus faecal streptococci

2.13 F- specific RNA phages F-specific RNA bacteriophages

2.14 Methemoglobinemia methaemoglobinaemia

2.15 Depleted water body oligosaprobic

2.16 Light autotrophic bacteria photoautotrophic bacteria

2.17 Filtration cycle filter run

2.18 Aerobic sludge digestion and aerobic sludge digestion

2.19 Spate freshet

2.20 Blackwater black water

2.21 Respiration

2.22 Gray water grey water; sewage sullage

2.23 Sinks sink

2.24 Catchment area; gathering ground

2.25 Antagonism antagonism

2.26 Pulse dose pulse dose

2.29 Leachate

2.30 Bacteriophage bacteriophages

2.31 Watercourse

- 2.32 Underwater area benthic region
- 2.33 Scale scale deposit
- 2.34 Bacteria
- 2.35 Bacterial samples bacteriological sample
- 2.36 Synergies synergism
- 2.37 Odor threshold odor threshold
- 2.38 Nitrite-reducing Clostridium sulfite-reducing clocstridia
- 2.39 Catenary oxygen sag curve
- 2.40 ORP oxidation reduction potential; redox potential, ORP
- 2.41 Hard hard detergent
- 2.42 Pretreatment preliminary treatment
- 2.43 Algae algae
- 2.44 Fungi fungi
- 2.45 Confidence interval confidence interval
- 2.46 Mesophilic microorganisms mesophilic microorganism
- 2.47 Total carbon total carbon
- 2.48 Total inorganic carbon total inorganic carbon
- 2.49 Total total oxidized nitrogen oxide

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 VII" 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 7" (ISO 6107.7-2006), with English terms ISO 6107.7-2006 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.

Water quality - Vocabulary - Part VII

1 Scope

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

2.1 Surface loading rate surface loading rate

Daily volume of wastewater per unit of horizontal cross-section of the processing apparatus for processing capacity ScS processing apparatus.

Note: usually $m^3 \cdot m^{-2} \cdot d^{-1}$ [or $m^3/(m^2 \cdot d)$] FIG.

2.2 Virus viruses

Ultra-micro-organisms (diameter 20 ~ 300 nm), composed of nucleic acid wrapped in a protein coat. Only multiply in living cells.

Note: The virus can be trapped by the filter bacteria.

2.3 Enterococci; faecal enterococci *Enterococcus faecalis*

Gram-negative bacteria was a kind of aerobic and facultative anaerobic, and normally lives in the large intestine of warm-blooded animals, having Lancefield (Lancefield) D antigen family, catalase negative, can be grown at 45 °C. Presence of 40% bile salt hydrolysis esculin; thallium acetate and nalidixic acid in the presence of hydrolyzable 4-methylumbelliferyl -beta-D- glucoside (MUD).

Note: the water environment, the flora including *E. faecalis*, *Enterococcus feces*, tough and Sheila *Enterococcus faecalis*. In the natural environment that they can not reproduce, but it may be higher than *Escherichia coli* live longer. Thus, even without Sheila enterococci detection, enterococci in water indicates fecal contamination can still be detected.

2.4 Tide tidal water

The vernal equinox, any part of the tidal range in the sea or river.

2.5 Tidal limit tidal limit

At the vernal equinox, along a river, just to see the water fluctuation location.

Note: If there is a dam or sluice there is tidal boundaries.

2.6 Primary treatment primary treatment

To remove most of the solids sink to the sewage treatment stage.

NOTE: sewage treatment, the stage immediately after pretreatment.

2.7 *Escherichia coli* *Escherichia coli*; *E.coli*

One kind of aerobic and facultative anaerobic fecal coliform, at 44 °C can simultaneously ferment lactose or mannitol produce acid and gas, and can generate tryptophan Indole, the hydrolysis of 4-methyl umbelliferone -beta-D- glucuronide (MUG).

2.8 Coliform bacteria coliform organisms; total coliforms total coliform organisms

Aerobic and facultative anaerobic, non-spore ferment lactose showed a Gram-negative bacteria, normally lives in the human or animal big Intestine.