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NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA

GB/T 18920-2002

The Reuse of Urban Recycling Water - Water Quality Standard for Urban Miscellaneous Water Consumption

城市污水再生利用 城市杂用水水质

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Foreword

This standard "The Reuse of Urban Recycling Water" was developed by the Ministry of Construction of the People's Republic of China with a view to implementing the policy of water pollution prevention and control and water resource development of China, improving the water utilization rate, doing the urban water conservation work well, rationally utilizing water resource, realizing recycling of urban sewage, reducing the pollution of sewage on environment and promoting the sustainable development of urban construction and economic construction.

Presently, the "The Reuse of Urban Recycling Water" is divided into five parts:

"The Reuse of Urban Recycling Water-Classified Standard"

"The Reuse of Urban Recycling Water-Water Quality Standard for Urban Miscellaneous Water Consumption"

"The Reuse of Urban Recycling Water-Water Quality Standard for Scenic Environment Use"

"The Reuse of Urban Recycling Water-Water Quality Standard for Make-up Water Source"

"The Reuse of Urban Recycling Water-Water Quality Standard for Industrial Uses"

This standard is the second part.

This standard was prepared on the basis of the "Miscellaneous Domestic Water Quality Standard" (CJ/T 48-1999); the main changes in this standard are as follows:

- (1) As for the water consumption category, the miscellaneous water for fire-fighting and miscellaneous water for building construction site was added;
- (2) As for the water quality items, the dissolved oxygen was added and the chloride, total hardness, chemical oxygen demand and suspended matter were deleted;
- (3) The number of water quality categories was increased from 2 to 5;
- (4) The water quality index value was adjusted correspondingly.

CJ/T 48-1999 shall be abolished simultaneously from the implementation date of this standard.

This standard was proposed by the Ministry of Construction of the People's Republic

The Reuse of Urban Recycling Water - Water Quality Standard for Urban Miscellaneous Water Consumption

1 Scope

This standard specifies the water quality standard, sampling and analysis methods of the urban miscellaneous water consumption.

This standard is applicable to the miscellaneous water used for toilet flushing, road cleaning, fire-fighting, urban greening, vehicle cleaning and building construction site.

2 Normative References

The following standards contain the provisions which, through reference in this text, constitute the provisions of this standard. For dated reference, the subsequent modification or revisions of these publications do not apply. However, all parties who reach an agreement according to this standard are encouraged to study whether the latest edition of these documents is applicable. For undated references, the latest edition of the normative document is applicable to this standard.

GB/T 3181 Colour Standard for Paint Film

GB/T 5750 Standard Examination Methods for Drinking Water

GB/T 7488 Water Quality - Determination of Biochemical Oxygen Demand After 5 Days (BOD₅) - Dilution and Seeding Method (neq ISO 5815)

GB/T 7489 Water Quality - Determination of Dissolved Oxygen - Iodometric Method (neq ISO 5813-83)

GB/T 7494 Water Quality - Determination of Anionic Surfactants - Methylene Blue Spectrophotometric Method (neq ISO 7875-1)

GB/T 11898 Water Quality - Determination of Free Chlorine and Total Chlorine - Spectrophotometric Method Using N,N-Diethyl-1,4 Phenylenediamine (eqv ISO 7393-2)

GB/T 11913 Water Quality - Determination of Dissolved Oxygen - Electrochemical Probe Method (idt ISO 5814-84)

GB/T 12997 Water Quality - Technical Regulation on the Design of Sampling Programmes (idt ISO 5667/1-80(E))

GB/T 12998 Water Quality - Guidance on Sampling Techniques (neq ISO 5667/2-82)

GB/T 12999 Water Quality Sampling - Technical Regulation of the Preservation and Handling of Samples (neq ISO 5667/3-85)

JGJ 63 Standard for Water of Mixing in Concrete

3 Terms and Definitions

For the purposes of this standard, the following terms and definitions apply.

3.1 Urban

The city with a municipal government or the designated town.

3.2 Urban miscellaneous water consumption

The undrinkable water used for toilet flushing, road cleaning, fire-fighting, urban greening, vehicle cleaning and building construction site.

3.2.1 Miscellaneous water for toilet flushing

Water used for flushing the water closets in public toilets and residential toilets.

3.2.2 Miscellaneous water for road cleaning

Water used for dust control and sweeping of road.

3.2.3 Miscellaneous water for fire-fighting

Water used for municipal and community fire hydrant systems.

3.2.4 Miscellaneous water for urban greening

Water used for gardens (except those with special trees and flowers), roadside trees, road isolation greenbelt, playgrounds, greenfields and similar areas.

3.2.5 Miscellaneous water for building construction site

Water used for the soil compaction, dust control, concrete flushing and concrete mixing at the building construction site.

4 Water Quality Indexes

The water quality of the urban miscellaneous water shall be in accordance with those specified in Table 1. The water used for mixing concrete shall also meet the relevant

water consumption shall meet those specified in this standard. The local or professional standards shall not be less strict than this standard or be against this standard.

6.3 The equipment, like pipes and water tanks, of the urban miscellaneous water shall be coated with sky blue color (PB09) at outside and be marked with letters "Miscellaneous Water" at prominent position in order to avoid drinking or using by mistake.

_____ **END** _____

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