

## **Methods of Control and Evaluation of Natural Waters**

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**Key words and expressions:** classification of waters; control methods; statistical methods.

**Abstract:** The paper explores the problem of drinking water supply which is one of the most important issues of mankind survival.

Russia accepted the Federal Target program "Clear water" on 2011–2017 which is aimed at improving the quality of life of the population.

The key question of drinking water supply is the objective assessment of the quality of natural waters.

In the article the main methods of quality control of water are analyzed, their advantages and disadvantages are discussed. The samples of ground waters of the city of Tambov are used as an object of research. The systematization of the control methods including laboratory analyses, classification schemes, aggregated indicators, settlement characteristics and multidimensional indicators of the statistical analysis is proposed.

The need for the latter is explained by the possibility of formalization of organoleptic properties of water.

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