

1. Good afternoon, everyone. First I want to introduce myself. My name is Maria Ruban. I am a first-year master's student.
2. At today's meeting, I will tell you about the article "Determination of the relaxation time of the physico-chemical characteristics of water after cavitation treatment."
3. To begin with, I would like to tell you what exactly we can use water, treated with the cavitation effect.
4. In industry, such as nuclear power, mining and processing of natural resources, radioactive isotopes enter the environment in the form of vapors, gases, aerosols.
5. How can the situation with environmental pollution be overcome?
Use a decontaminating solution based on water treated with cavitation effects.
6. The object of research in this work was water pipes and distilled water treated with the cavitation effect.
7. To evaluate the effectiveness of cavitation treatment, a number of physico-chemical parameters of water were used: temperature, dissolved oxygen concentration, pH, electrical conductivity, redox potential.
8. An experimental study of the reaction of water to hydrodynamic cavitation has been carried out. The study revealed that by changing the cavitation modes, an increase in temperature, pH and electrical conductivity is observed, a decrease in the concentration of dissolved oxygen, redox potential.
9. It follows from the above that activated water can be effectively used in various fields of industry.

You can find out more about this study by reading the article.

10. If anyone from the audience has any questions on this topic, please ask them now.

My performance has come to an end.

Thank you all for your attention.