Justification of the Method of Local Treatment of Wastewater Contaminated with Bioresistant Substances

R. A. Azmatova, I. S. Glushankova

Perm National Research Polytechnic University, Perm, Russia

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Abstract: The influence of iron (II) ions and hydrogen peroxide on the treatment of petrochemical production wastewater has been studied. The method of local treatment of petrochemical production wastewater was developed. Optimal conditions of purification and optimal composition of Fenton's reagent have been determined. On the basis of experimental data the possibility of application of Fenton's reagent for local wastewater treatment of ethylene and propylene production has been established and the technological scheme of this process has been developed.