Ecological and Economic Assessment of the Use of Electrobaromembrane Methods in the Technology of Wastewater Treatment of Electroplating Enterprises

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Abstract: The paper proposes an improved technology of complex wastewater treatment plants at the stage of neutralization of wastewater from galvanic lines using electronanofiltration and nanofiltration, as well as neutralization of concentrated wastewater. The stage of wastewater treatment of washing waters is considered. An environmental and economic assessment of the introduction of electric pressure membrane technologies into the wastewater treatment system of galvanic enterprises was carried out at JSC Tambovmash using traditional reagent methods and with the introduction of membrane equipment. The payback period of the project has been calculated.

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