

Ways to Use Secondary Resources in the Fiberboards Production

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resources, water purification,
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The subject of the study was the concentrate of water, which is formed as a waste in the production of fiberboards. We have studied the possibility of reusing water concentrate in the production of boards using the dry MDF method after appropriate cleaning. In the paper we have presented the technological scheme of water purification used at a woodworking enterprise, and have studied the indicators of its quality at all stages of purification. An improved scheme for the process of water purification and return of the water concentrate for its secondary use in the production of fiberboards using the dry MDF method is proposed. We have carried out an analysis of the quality indicators of the mixture of source water used at the enterprise with the concentrate. Compliance of water mixture quality indicators with the requirements of sanitary rules and norms was established. The calculation of the expected economic effect from the recycling of water concentrate was carried out.

We believe that these studies are of practical importance for woodworking enterprises in order to ensure rational water use and reduce pollution of water resources.

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