

ENVIRONMENTALLY SAFE SOLUTIONS DURING THE IMPACT OF CONFECTIONERY INDUSTRY ENTERPRISES ON THE HYDROSPHERE

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In recent years, the expression "quality of life" has been increasingly used. It means the well-being of society and each individual. In addition to economic and social components, the quality of life includes the quality of the environment. And since nutrition is one of the most important factors in the relationship of a person with the environment, then we are talking about the quality of nutrition.

According to the degree of intensity of interaction of the confectionery industry with the environment, the first place among the objects of nature, which are negatively affected, is occupied by water resources. Water at such productions is used in the vast majority of technological processes of obtaining products as the main one, which is used in the technology itself, or as an auxiliary one, which is used for washing raw materials and equipment, raw materials.

In terms of water consumption per unit of output, confectionery factories, as well as the food industry in general, occupy one of the first places among the sectors of the national economy, which causes a large amount of polluted wastewater that is hazardous to the environment. Therefore, the substantiation and development of an effective wastewater treatment technology for confectionery enterprises are relevant.

Waste water from the confectionery industry belongs to the category of highly concentrated wastewater in terms of organic pollutants.

Confectionery enterprises occupy one of the leading places in terms of water use, and the generated wastewater has a direct negative effect on natural water bodies and the environment. To date, there are no rational conditions for wastewater treatment to the norms of drainage into the city sewer. in food industries, and confectionary females where water is used in the vast majority of technological processes of obtaining products as used for washing raw materials and equipment [1].

Wastewater pollution of confectionery factories consists of organic substances, syrups, sugar, juices, fats.

Contamination of surface waters with organic substances from the effluents of food production is a significant environmental hazard. These substances, getting into water bodies, contribute to the development of rotting processes in them, infection with pathogenic bacteria, water bloom and have a negative effect on fauna and flora.

A serious environmental problem of modern Ukraine is the treatment of industrial effluents, in particular, wastewater from confectionery enterprises.

References:

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