



## Application of fat trap for the wastewater treatment in margarine production

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### ABSTRACT

Wastewater from margarine production must be treated in a way and up to a level that will not pose a source of pollution before releasing into the recipient. The quality of effluent which can be discharged into the recipient is regulated by appropriate standards or regulations for every community. This paper presents the results of the application of a fat trap for wastewater treatment in a margarine production line in Serbia, in order to meet local regulations for wastewater quality and reduce pollution. Research was based on quarterly sampling performed during a period of 2.5 years. The wastewater after the treatment had a load with maximal measured concentration of TFM:39 mg/l, BOD<sub>5</sub>:100 mg/l, COD:115 mg/l and TSS:118 mg/l. The study demonstrated that a very simple technical solution such as a fat trap could give satisfactory results that are within the national standards.

*Keywords:* Wastewater treatment; Fat trap; Margarine production; Fat, oil and grease (FOG)

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