

# **Developing the Technology to Reduce the Negative Impact of Oily Wastewater on Marine Ecosystems**

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**Abstract:** According to statistics, about 80% of the world's population lives in the coastal-marine zone (directly on the coast and within 100 km from it). This is also observed in the distribution of the major industries. All this suggests the emergence of environmental conflicts in the “man – environment” system. The south of the Far East is no exception. The most striking conflict is the pollution of marine areas with oily products. Their sources vary significantly. In the coastal areas of the south of the Far East, these are wastewater from industrial enterprises and housing and communal services, since the existing treatment facilities do not meet modern environmental safety requirements. The study examines the basic principles of optimization of wastewater treatment technology using the method of non-reagent pressure flotation with liquid spraying, which will intensify the process of cleaning industrial wastewater from oily products, which contributes to the efficiency of wastewater treatment and will reduce the negative impact on the final point of their discharge. As a result of the atomization of the liquid in the pressure tank, it will increase the degree of saturation with air by an average of 35%, which will increase the efficiency of oil recovery from wastewater by 15% and reduce their concentration from more than 150 mg/l to 1 ... 5 mg/l.