

Technological factors for purifying work environment and antipollution of water resources in case of gas excavation using surfactants

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In this study, the technological features for purifying the work environment and conserving water resources using surfactants during gas excavation have been considered. The wastewater contains a lot of by-products and oil which should be suitably managed to avoid environmental pollution. Also, the reuse of the wastewater is economically feasible after its management. For the reuse of wastewater, notional features such as separation of coagulated particles with coagulation of inorganic/organic particulate matter and flotation have been considered. The consequence and proposition of this study is expected to be effective and useful for purification of working environment and water resource management.