INVESTIGATION OF THE SAFETY ASSURANCE METHODS FOR SEPARATION, UTILIZATION, STORAGE OF OIL CONTAINING WASTE ON THE OIL BASES TERRITORY OF RUSSIAN NORTH

Background
Storage and refinery of oil containing waste represents the high industrial and fire hazards for oil storages and bases. Moreover, oil vapours are explosive and harmful to human health while the evaporation at storage areas without any special measures is difficult to expel. To ensure safe working conditions it is necessary to improve the existing production technologies.

Aims and Objectives
Development of methods and recommendations to ensure the reliability and safety of the separation, utilization and storage of oily waste on the oil bases territory of Russian North.

Results
Application of the proposed methods and measures will prove the implementation of the more effective treatment technology of oily waste with high water content at production facilities with high demands on industrial and environmental safety. The effectiveness of operation of the oil waste treatment plants can be improved by the introduction of the additional processes in the cleaning cycle such as oil waste settlement and cooling up to temperatures (1 ... minus 3) °C.

Key words: oil storage, oily waste, sludge collector, industrial safety, new ways of recycling and storage of sludge, sewage treatment

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