

Comprehensive Assessment of the Degree of Wastewater Pollution of Civil Aviation Enterprises

Volodymir Isaenko, Svitlana Madzhd, Valeriy Frolov, Oksana Lapan

National Aviation University, Ukraine, Kyiv, Lubomyr Husar avenue, 03058

volodymyr.isaienko@gmail.com, madzhd@ukr.net, frolov47@ukr.net, k.lapan@ukr.net

SUMMARY

An assessment of the efficiency of treatment facilities of civil aviation enterprises was made. The degree of sewage pollution of aviation enterprises was estimated. It was found that the normative values exceeded the normative values of HSC, BSC5, ammonium nitrogen, nitrates, toxic metal compounds and petroleum products. It is determined that the wastewater of aviation enterprises belongs to a very dirty category in terms of BSC5 and concentrations of mineral nitrogen and petroleum products. According to the content of toxic metals, wastewater is classified as weakly and moderately polluted.

Keywords: degree of pollution, treatment facilities, airline wastewater, return water, surface water bodies.