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VARIATION OF PHYSICAL AND CHEMICAL PARAMETERS OF POLLUTED WATERS OF MIRASH LANDFILL IN KOSOVO

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ABSTRACT

Climate changes are the result of pollution that is caused in the air, water and land. The growth of the production of huge amounts of waste is evident and problematic. Their collection, landfilling, processing and recycling has remained a particular challenge. The bad treatment of waste in the sanitary landfill of Mirash is an additional challenge and a possibility for causing pollution in the surrounding spaces and beyond. The aim of this paper is to show the state of drainage waters based on physical and chemical parameters of polluted waters in the sanitary landfill of Mirash and to conclude whether the results exceed the allowed parameters and to compare the results for different time periods. Initially, the sample location was determined, where samples for analysis were taken and they were analyzed in a laboratory. Samples were taken in 10 different time periods in a period of 3 years. The analyzed parameters have shown different values. The results were compared to AI no. 30/2014, on limit values of wastewater discharge in the water body (Republic of Kosovo) and the standard for the assessment of the ecological status of surface water in Romania, 2006 (GD 161).

Keywords: Mirash landfill, polluted waters, waste, physical-chemical parameters.