



The Quality of Drinking Water in Some Rural Areas of the Region of Mitrovica

Sadija Kadriu^{1,*}, Besnik Hoxha², Fatmire Azemi-Myftiu³, Lavdim Zeqiri⁴, Mehush Aliu¹

¹*Faculty of Mining and Metallurgy, University of Prishtina, Mitrovica, Kosova;* ²*Department of Chemistry and Biology, Faculty of Education, University of Prishtina, Kosova;* ³*Health Institut, Mitrovica, Kosova;* ⁴*Diakonie Training Center, Mitrovica, Kosova*

Received April 29, 2011; Accepted June 20, 2011

Abstract: This paper aims to assess the drinking water of some rural areas of municipalities Mitrovicë, Vushtrri and Skenderaj. In the absence of urban sewage network, in most villages of the three municipalities, many families have been forced to make temporary solution to wastewater, building just a few meters away from their home septic tanks. However, the opening of these septic tanks and the continued existence of natural fertilizers and the impossibility of installing a sewage system in accordance with urban standards, has caused contamination of drinking water in wells of different families. In our research were followed organo-leptic, microbiological, physico-chemical parameters, the presence of undesirable substances and other parameters that affect in the quality of drinking water for residents of these rural areas. Samples were taken in a period of time and taking into consideration the time of stay allowed in the incubator. As a result of non compliance with standard values, microbiological parameters and undesirable substances, in general the water in rural areas of these municipalities is considered non potable.

Keywords: *wastewaters, spill, physico chemical analysis, rural areas, pollutant*

* Corresponding E-Mail: sadijekadriu@hotmail.com, Tel: +37744736510;