



Monitoring Surface and Ground Water of the Industrial Park “Trepça” in Mitrovicë

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Abstract: The study presents the influence of the landfill and other wastes to the quality of the surface and ground water of the Industrial Park “Trepça” in Mitrovicë. Concretely the study was conducted in three sample-stations of ground water-in the midst of the Sitnica river wastelands and in two (sample-stations) of river Sitnica: in the outflow of the river in front of the industrial zone (park), and also in the exit of the industrial zone. Taking in consideration the actual landfill that results as disposal of waste from the Zinc Metallurgy units and chemic industry, course of the study was determination of the metals such as: Fe, Zn, Cu, Mn, Cd, and Pb to the ground water and Sitnica River, flow of witch is 365 l/m. The obtained results are compared with the maximal limited value (mg/L) for different categories of water, out of which the level of the contamination and categorization of the water can be seen.

Key words: *monitoring, surface and groundwater, heavy metals, Industrial Park “Trepça”, Sitnica River*

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