

The Impact of Tailing the Industrial Park of Mitrovica in Air Pollution

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Abstract: The city of Mitrovica as an industrial city, even now when the Industry is not functioning, is the city with the highest pollution of the environment. Sources of pollution are industrial dumps created during mining, metallurgical and chemical activities in Trepca Combine. In this research has been investigated the impact of tailing in Mitrovica Industrial Park, at air pollution. This landfill contains four types of industrial wastes: jarosite, pyrite and pirotine, then waste which is created by the process of leaching neutral of zinc oxide and phosphogyps. Except of phosphogyps all other waste contains heavy metals. Based on the chemical analysis of lead that is part of air in Mitrovica, we understand that the presence of heavy metals in the air for many times exceeds the value of the limit set by the WHO for heavy metals. The high presence of heavy metals in the air is an alarm that necessary measures should be taken to improve air quality. The concentration of metals in these wastes, particularly zinc and iron is quite high. Zinc reaches to 23% of the mass and iron mass to 60% of the measure. These wastes have an economic value, there are millions of tons, so there should be looking at the possibility of reprocessing these residues. While the rest of the landfill must be constructed embankment, drainage becomes covered with empoisoned ground (fresh) and this area should became green.

Key words: *Air pollution, heavy metals, landfill impact.*

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