



Impact of TC "Kosova" in Contamination with Heavy Metals in the Sitnicë River, Groundwater and Soil in This Zone

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Abstract: In this work, we analyze elements such as; As, Cd, Cr, Co, Fe, Mn, Ni, Pb and Zn in water of river Sitnicë, groundwater (wells) and soil around the zone of TC "Kosova". In the water of river and underground water in the winter season, presented elements, such as, Fe; 0.19 mg/l, Mn; 0.258 mg/l, Pb; 0.174 mg/l and Zn; 0.238 mg/l, while in groundwater, except became Fe, which is not detected at the point S2-UG.W. In the summer season, we have increased the concentration of metals, especially; Co, Fe, Mn, Pb and Ni, where the presence of Ni, last season was not detected, as a result of laundering numerous land from spring rains. In the tests of the soil, we detect; As, Cd, Cr, Co, Fe, Mn, Ni, Pb and Zn, based on the results that we won, compared with international standards, have added value in both seasons; January-June, in samples; wasteland and farmland, especially; As, Cr, Ni, Pb, and Zn with a few smaller increase, while metals; Cd and Co, are permitted levels of concentrations.

Keywords: *Power Plants "KEK", heavy metals, water, river, sitnicë, soil*

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