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The investigation of heavy metals behavior in burning decontamination systems of soil contaminated with oil products

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Abstract The soils have in their structures heavy metals come from bedrock and from various pollution processes. The soils polluted with petroleum products can be decontaminated by burning processes. The high temperatures, about 1500– 2000ºC, found in the burning systems have an important influence on the heavy metals content of the combustion residue. The paper presents the result of a laboratory experiment using various sorts of soils having different content of heavy metals. The experimental data are used to compute the Removal Degree of Heavy Metals (RDHM) during the burning of polluted soils.

Keywords: soil decontamination, burning technologies, heavy metals pollution

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