

Soil impact assessment of some economic activities on a Romanian industrial site

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One of the most important and actual problems of modern society is related to the environment pollution and

sustainable development. For an acceptable sustainable industrial development is necessary the evaluation of environmental impact generated by each industrial company and, after that, improvements of technologies, raw materials (i.e. use of environment-friendly materials when is possible), application of the best available techniques (BAT), implementation of European Environmental Management System (EMAS) etc. Moreover, following the monitoring, sample collecting and complex physico-chemical analysis of an important environment component - soil, into and around an industrial site from a Northern-Eastern Romanian town, it can be evaluated the level of soil pollution generated by all activities and also their impact on soil functions. The environmental impact assessment (EIA) into the studied industrial site is assessed only for soil component using the alternative method of global pollution index (I* PG). The experimental results correspond to the situation of 'environment modified by industrial/economic activities generating discomfort effects and risks for health of life forms coexisting onto soil site'. In this context, the industrial site must be monitoring in order to prevent supplementary environmental pollution, and control risk pollution.