

AN ENVIRONMENTAL IMPACT ASSESSMENT APPLIED FOR A MULTIFUNCTIONAL PETROL STATION

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Abstract: For an acceptable/legal environmental management is necessary the evaluation of environmental impact generated by each company and, after that, improvements of technologies, raw materials etc. In this context, following the monitoring, sample collecting and complex physicochemical analysis into and around the company area, it can be evaluated the level of environment pollution generated by all activities into the unit (i.e. multifunctional petrol station having auto service and car cleaning service) and also the impact on certain environment factors (e.g., air, water and soil). The environmental impact (EIA) for the studied economical unit is assessed using the Romanian alternative assessment method of global pollution index (I_{PG}^*). The studied environmental components are considered to be: air, water (e.g., ground water and final effluent) and soil.

The experimental results correspond to the situation of "environment modified by industrial/economic activities within admissible limits". Therefore, the studied company is implementing monitoring actions in order to prevent environmental pollution, control impact and risk.

Key words: petrol station, environment pollution, environmental impact assessment (EIA), global pollution index (I_{PG}^*).