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ENVIRONMENTAL IMPACT ASSESSMENT FOR STEEL PROCESSING

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Abstract

Environmental impact assessment is a very complex process, which deserves much more attention and cooperation between the specialists. In generally, the methods used to quantify the ecological impact are: diagrams, matrix, check lists etc. The purpose of this paper is to assess the impact on environment, applying the method of global pollution index for an installation which processes steel. The first step was to analyze different samples (air, water, soil) in order to identify the pollutants which are generated by the installation. After that, the environmental impact quantification can be done by evaluating the magnitude of pollution on environment. The laboratory methods used to identify the pollutants from the evaluated site are briefly described and some recommendations are made in order to minimize the impact on environment. From assessment of environmental impact it resulted that the air, ground water from evaluated site and surface water attained the lowest evaluation grades, which means that the industrial activities involved in steel processing have a negative impact on quality of environment.

Keywords: environment, impact assessment, global pollution, steel processing

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