

Implementation of “Cleaner Production” management in manufacturing enterprises

Abstract

The activity of manufacturing companies is associated with the use of environmental resources, and its side effect is the generation of solid, liquid and gas waste. Awareness of the risks arising from environmental pollution, caused that the environment protection has become a strategic concept. There has been a growing interest in environmental issues among manufacturing companies that have begun to take decisive environmentally friendly actions, supervising the impact of their services and products as well as environmental effects that are associated with them.

It is important to use the so-called preventive methods in environmental protection that are aimed at prevention of waste „at source”. Such a strategy is the Cleaner Production.

The main goal of the dissertation is to develop a model for the implementation of Cleaner Production management in manufacturing enterprises.

The following specific research objectives have been formulated for the purpose of the work:

- diagnosing the state of knowledge of enterprises about the Cleaner Production Program;
- defining the relationship between the size of business entities and the implementation of basic obligations in the field of environmental and health protection of employees;
- analysis of barriers and benefits of managing Cleaner Production in production companies;
- development of the relationship between the size, type of business and factors affecting the implementation of Cleaner Production management in manufacturing enterprises.

The implementation of the objectives set was carried out through:

- analysis of national and foreign literature on environmental management systems, in particular Cleaner Production;
- analysis of the results of the survey on barriers to the implementation of Cleaner Production management in enterprises with the Cleaner Production Program implemented and not implemented.

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