

SOME ASPECTS RELATED TO RISK ASSESSMENT AND EMERGENCY PREPAREDNESS AS BASIC COMPONENTS OF ENVIRONMENTAL MANAGEMENT SYSTEMS (EMS) AUDIT

Elena Cristina Juganaru¹, Emil Militaru², Sergiu Tonoiu³

¹*University POLITEHNICA of Bucharest, cris.juganaru@gmail.com*

²*ICI Bucharest, prof_militaru@yahoo.com*

³*University POLITEHNICA of Bucharest, sergiu_ton@yahoo.com*

Abstract: *This paper offers an overview of the main factors involved in the process of risk assessment and emergency preparedness. In this context, the authors present some specific aspects of human resources training on emergency situations and recommend a series of questions and requirements regarding emergency situations for the certification audit of the environmental management system (EMS).*

Keywords: *risk assessment, environment, emergency preparedness*

1. Introduction

Given the actual conditions, technological and innovation processes become part of environmental protection, with the objective of minimizing the impact of new activities.

Updating and implementing new technologies, simultaneously with organizations development and increasing their capacity to support investment costs is a basic element in accomplishing the organization's environmental targets.

Therefore, training the personnel that is involved in new technologies is an important factor in the difficult situations that the organization may face, such as: introducing and testing new technologies in certain locations, required training for their implementation and monitoring.

It is also appropriate to assess the environmental risk and impact for certain projects, in correlation with the applicable laws and regulations in specific areas.

The approach based on risks identification and control is the core of modern management standards, since the risks and their effects can have an impact on achieving the objectives defined by the organization [1].

Risk management involves identifying, analyzing, evaluating, treating, monitoring and communicating risks that may occur during the organization's activity. This type of management must be seen as an activity of organization, coordination and management of specific processes that are needed for avoiding risks, for limiting their effects, or better, dealing with the consequences of risks. [1,2,3,4,5]

Hence, appear the opportunity of specific systems, either in existing structures or in specific or adopted structures, through which are foreseen initiation, development and completion of the actions that are necessary and sufficient to avoid the risk and limit its occurrence.

In defining risk, top management must consider the variety of activities / processes / projects, the temporal dimension (past, future), appreciating the event according to its consequences, types of events, such as: negative, positive, identified (predictable), unidentified (unpredictable).

2. Human resources training on emergency situations