



INTERNATIONAL WORKSHOP ADVANCES IN CLEANER PRODUCTION

"KEY ELEMENTS FOR A SUSTAINABLE WORLD: ENERGY, WATER AND CLIMATE CHANGE"

Environmental Performance Evaluation Based on the Concept of Cleaner Production

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Abstract

The SENAI National Department (ND), under the NCCT - National Center of Clean Technologies of the SENAI Rio Grande do Sul technique coordination, in joint with the São Paulo, Rio de Janeiro, Minas Gerais and Bahia Regional Departments, developed a project pilot whose objective was to establish an Environmental Performance Measurement Methodology to identify and validate the environmental and processes indicators in companies who implemented the methodology of Cleaner Production developed by the UNIDO/UNEP and intended to get a Certificate of Environmental Performance. In the first phase of the project a listing of companies registered in cadastre as participant of the Suppliers Qualification Program - SQP was elaborated by the Euvaldo Lodi Institute - ELI, in which the Environment Area of the SENAI Bahia Regional Department, located in the CETIND Unit, promoted the environment workshops. Based on the involvement level of the high administration companies, the physical structure, evaluation of the processes block diagrams and action plans were suggested for the SQP, where the possible companies candidates were selected to be part of this project, that demanded as minimal requirements, to belong at least, of one of the following sectors: metal-mechanic, construction civil, chemical, paper-graph and editorial and clothes-textile, that have implemented action of Cleaner Production and they did not have any legal nor environmental no conformities together the regulatory environmental agency. The selected companies signed the Adhesion Term, having committed themselves to support their development of the activities foreseen in the scope of the project; which included the accomplishment of environmental diagnosis of the company, through the study of the stages of the productive process; environmental, economic and social identification of the aspects and impacts; definition of the environmental and processes indicators to be monitored during six months and in an annual basis per more 3 years, as goal proposal and was committed between the parts; fulfilling the Performance Evaluation Data with the measurements of the indicators during the six first months; justifications and evidences of the attendance; an environmental external audit carried through by SENAI ND. The project had as premise to issue an Environmental Performance Certificate for companies who reached 80% goals and to establish a process of external audit for verification of conformity and proposal of new indicators to be pursued as continuous improvement.

Keywords: Cleaner Production, environmental and processes indicators, metal-mechanic, chemical, clothes-textile.
