



INTERNATIONAL WORKSHOP ADVANCES IN CLEANER PRODUCTION

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

Cleaner Production Evaluation System (SAPmais): Encouraging the Continuous Improvement

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Abstract

This report presents the experience carried out for the development and validation of a methodology based on the concepts of the Cleaner Production (CP) through a checking system on the continuous improvement of the CP actions implemented by the companies, with the aim to monitor and contribute for the reduction of the environmental impact generated by them. The study was developed as the extent of a Project under the technical coordination of Cleaner Technologies National Center – CNTL – at SENAI RS, with the financial support by SENAI – National Department and the Regional Departments of the states Rio Grande do Sul, Paraná, Rio de Janeiro, Minas Gerais and Bahia. Twenty three (23) companies took part on the study as pilot companies. The standard environmental performance evaluation methodology was developed based on the concepts of the CP. The norm worked out defined the following: the selection criteria of the companies to take part on the pilot project, the requirements of the Cleaner Production Evaluation System (CPES) which were verified by specialists, the certification steps in compliance to the CPES, the goals, the conditions to make pre evaluations, the issue of the CPES Support Certificate, the criteria used in order to reach the goals and the evidences to prove the compliance, the evaluation criteria, how would the company be recommended, how would this recommendation be validated, the expiring date of the certificate and how would the evaluation cycles be. The pilot companies have defined three (3) Environmental Aspects which were monitored during three (3) months, through Operational Performance Indicators. After that, in each state a technical consultancy was made in order to adjust the companies, with the aim to validate the methodology of Environmental Performance Evaluation, based on the concepts of CP. A group of specialists was selected and trained to make environmental performance evaluation at the companies, based on the concepts of CP. The results were presented by the companies showing the environmental benefits and the economic outcomes obtained. Finally, it was made a Verifying Auditory on the compliance of the proposed goals by the trained specialists and the companies who showed the proposed reductions received the CPES Approval Certificate and the CP Seal. This study presents as an example the case study of a pilot company in RS that took part in the study.

Keywords: Indicators, Cleaner Production, Environmental Performance Evaluation, Environmental performance indicator, Operational performance indicator.
