



1st
INTERNATIONAL WORKSHOP
ADVANCES IN CLEANER PRODUCTION

IV SEMANA PAULISTA DE P+L
CONFERÊNCIA PAULISTA DE P+L

Diagnosis of the Cleaner Production in Amazonas State

Bianca G. Pereira ^a, Ivan R. Neto ^b, Kaoru Yuyama ^a,
Hugo G. Pereira ^c e Célio L. P. de Matos ^d

a. Instituto Nacional de Pesquisas da Amazônia, Manaus-AM, bianca@inpa.gov.br e
kyuyama@inpa.gov.br

b. Universidade Católica de Brasília, Brasília-DF, ivan@pos.ucb.br

c. Kali-Umwelttechnik GmbH Sondershausen – Alemanha, Hugo.Galucio@k-utec.de

d. Serviço de Apoio às Micro e Pequenas Empresas do Amazonas, Manaus-AM, celio@am.sebrae.com.br

Abstract

This study, shows a diagnosis of the application of the Cleaner Production (CP) in Amazonas State. From the analysis of reports from the Nucleus of Clean Production (NPL) and open interviews with managers and consultants of the NPL, was verified that the program generates economic, environment advantages, of health and occupational security. The results demonstrate that, in Amazonas, the culture of Clean Production is spread out by SEBRAE/AM for the NPL, since 2003. Up to 2006, 25 companies had implemented the CP program, and these majority is classified as micron and small companies. Twenty four of these companies are located in Manaus and take care of the local market. Almost all of these companies belongs to the commerce segment, the sales representation and also in the segment of the transformation industry. 75% of the companies who had applied the Cleaner Production (CP) are part of the Productive Group of Oil and Gas in Amazonas. About the implemented techniques of CP, 72% represent the adoption of good practices, including operational and management action, with improvements in the administrative system, storage, election and preservation of the solid residues and elimination of obsolete materials that can be recyclable. These practices have reduced residues and often have being implemented with low cost and Sebrae-AM subsidiary at Technological Consulting Program. In this case, was considered environmental regulation (fines, penalties, etc.), searching the conformity of these companies, to prevent serious cuts in the profitability caused by harmful actions to the environment. The work conditions improvements, like small reforms, implementation of security systems and selective collection and equipment purchase are some examples of these applied technological measures (22%). Another example observed was the care with health and occupational security. It was observed that one of the biggest challenges of the involved companies is the continuous improvement of the processes from the program of CP, since is a program that does not certifies yet. The CP concepts and potentials are obscure for the most part of the society and government; in this case it is being necessary to build a new politics for spreading and use of CP, as well as application in micron and small companies. This will generate for the companies one better strategical vision regarding environment questions and consumer requirements.

Keywords: Environment management, residues reduction, good practices, Amazonas
