



3rd
INTERNATIONAL WORKSHOP
ADVANCES IN CLEANER PRODUCTION

“CLEANER PRODUCTION INITIATIVES AND CHALLENGES FOR A SUSTAINABLE WORLD”

Proposed Methodology of Cleaner Production with Quality Tools

D. A. L. Silva^a, B. Barra^b, A. R. Ometto^c

a. USP - Universidade de São Paulo, São Carlos – SP, diogo.sc@usp.br

b. USP - Universidade de São Paulo, Pirassununga – SP, bruna.barra@yahoo.com.br

c. Universidade de São Paulo, São Paulo, aometto@sc.usp.br

Abstract

The Cleaner Production (CP) aims to minimize waste generation, making the production process more efficient. The CP implantation methodology is widespread in the literature. Nevertheless however, it does not deal deeply and clearly questions such as "what tools to use in collecting and analyzing data from the production process?", or "how to prioritize improvement actions most important?". Therefore, the authors of this study noticed the existence of problems or gaps in the CP methodology when it comes to deploying the program in companies. For example, delays during CP implementation activities and the gathering of false and/or incomplete information, which may hinder the decision-making. The goal of this paper is to propose solutions to these observed deficiencies. In order to do that, we suggested changes in the CP implementation methodology and the use of quality tools. These suggestions were made for each step of the methodology, based on literature review and critical analysis, turning the CP program implementation clearer.

Keywords: *Cleaner Production; pollution prevent; quality tools; source reduction; environment.*

“CLEANER PRODUCTION INITIATIVES AND CHALLENGES FOR A SUSTAINABLE WORLD”

São Paulo – Brazil – May 18th-20th - 2011