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INTERNATIONAL WORKSHOP
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“CLEANER PRODUCTION TOWARDS A SUSTAINABLE TRANSITION”

Cleaner Production and Aspects of National Policy of Solid Waste in the Clothing Manufacturer Sector

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Abstract

It is estimated that Brazil annually manages more than 8,000 tons of waste originated from the clothing industry, of which more than 80% may be irregularly arranged in landfills and dumps. The National Solid Waste Policy (PNRS) requires a change of this scenario by establishing management tools for all waste generated in productive and service sectors. The proposal brings ambitious goals for public and private managers for non-generation and proper disposal of waste at all stages of the production process. The aim of this work is to demonstrate that the Cleaner Production (CP) can contribute to the development of a culture that seeks elimination, reduction and reuse of scraps generated in the clothing industry, with actions that encourage efficiency in the production process. Unlike traditional management methods that focus on stocks of generated waste, the CP seeks improvements in the process itself, increasing the potential for reducing the generation of waste and minimizing the amount to be allocated. Implementation of Cleaner Production in seven (7) Clothing industries in the state of Paraná reduced around 12% of the generation and the possible re-use of up to 100% patchwork generated in the industrial process, exceeding the goals established by PNRS.

Keywords: *Sustainability. Process. Textile. Environmental Indicators.*
