



3rd INTERNATIONAL WORKSHOP ADVANCES IN CLEANER PRODUCTION

“CLEANER PRODUCTION INITIATIVES AND CHALLENGES FOR A SUSTAINABLE WORLD”

Proposal of the New Model for Solid Urban Waste Management

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Abstract

With the uncontrolled increase of solid waste production, consequence of the increased population and inadequate management of these residues, the environmental problems and public health have increased. In the current scenario waste is a "curious" indicator of socioeconomic development of a nation, ie, the more of the growth economy, reather the volume of waste produced. But, the tragic side of this scenario is a consequence of the management model implemented, depending on the case the waste can pose a problem, and at the same time can mean the source of solution the problems caused. In this context, this paper discusses and proposes a management model urban solid waste on the basis of methodology and technology developed at the university (PI 0801312-8). The analysis made diagnostic, identified the advantages and disadvantages of conventional models, and explained the opportunities of a new management model based on differentiated methods in the steps of collection, transport, recovery and disposal of urban solid waste. The laboratory results demonstrated the technical, economic and financial viability of the of the new model proposed, in which the waste is no more a cost factor, it is an investment opportunity. In this proposal, the economic variable is the greatest attraction for individuals at the same time as the impacts on the environment and society are also positive.

Keywords: *Urban waste, collection, transport, processing, recovery.*
