



3rd
INTERNATIONAL WORKSHOP
ADVANCES IN CLEANER PRODUCTION

“CLEANER PRODUCTION INITIATIVES AND CHALLENGES FOR A SUSTAINABLE WORLD”

Proyecto Piloto Implementación de la Metodología de Producción Más Limpia en la Universidad de la Salle Bajío Escuela de Turismo y ECEA

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Abstract

This paper presents the results of the Bajío Cleaner Production Center (CPLB) in its project conducted jointly with the University of La Salle Bajío (Universidad de La Salle Bajío). The project called "Pilot Implementation Cleaner Production methodology at the University of La Salle Bajío Tourism and ECEA Schools". The objective of this project was to detect the potential savings in the use of raw materials, water and energy, and also contribute to a productive efficiency and reduction of operating costs of companies in this sector. In addition to the economic and environmental benefits by the Cleaner Production (CP) and Energy Efficiency (EE) Implementation, under this scheme all schools that make a Cleaner Production project can get the "Clean Company" Certificate issued by PROPAEG, so in a single project, the university could obtain environmental regulatory compliance, financial savings, public image, increased competitiveness, and minimizes negative environmental impacts and the efficient use of raw materials, water and energy.

The "University of De la Salle Bajío" is located in León, Guanajuato, México. Some of the results obtained are: train at least a thousand students on the importance of pollution prevention and productive efficiency in educational institutions. The detection of areas of opportunity in CP and EE in the University can lead to an estimated economics savings. The implementation of CP and EE at the University is being translated in a decrease in water consumption of 2,038.65 m³/year. The Tourism/ECEA Building produces an average of 21.5 tons of garbage per year of which 37.8% are recycled. The raw materials produced at The Tourism/ECEA building are paper, carton, plastic, glass y aluminum and 53.4% goes directly to the dump. 80% of these materials are organic, so there is a big percentage that can be used to produce compost for the green areas of the university.

There will be a reduction of electricity consumption of 275,709 kWh/year; all this can be translated in a decrease of CO₂ emissions into the atmosphere of about 180 tons per year.

Keywords: *Cleaner Production, Universidad de la Salle Bajío, Pilot Project*

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